



Food and Agriculture
Organization of the
United Nations



ASFIS-6 (Rev. 4)

AQUATIC SCIENCES AND FISHERIES INFORMATION SYSTEM

Aquatic Sciences and Fisheries Thesaurus

Descriptors used in the
Aquatic Sciences and Fisheries Information System

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**Descriptors Used in the
Aquatic Sciences and Fisheries Information System**

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Required citation:

FAO. 2019. *Aquatic Sciences and Fisheries Information System: Aquatic Sciences and Fisheries Thesaurus – Descriptors used in the Aquatic Sciences and Fisheries Information System. ASFIS-6 (Rev. 4).* Rome, FAO.

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ISBN 978-92-5-131175-2

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PREFACE

The publications comprising the ASFIS Reference Series define the rules, authority lists, formats, codes and procedures on which the ASFIS system is based, and therefore they are intended to ensure the consistency necessary for the computer processing and the uniformity within the resulting ASFIS information products. This Thesaurus is the “authority list” which indexers use to choose subject descriptors while preparing references for inclusion in the ASFA bibliographic database (the ASFA bibliographic database is the principal information module or output of the ASFIS system).

The Aquatic Sciences and Fisheries Information System (ASFIS) is an international, cooperative information system dealing with the science, technology and management relating to marine, brackish water and freshwater organisms and environments, including their socio-economic and legal aspects. The system is maintained jointly by the Food and Agriculture Organization of the United Nations (FAO), the Intergovernmental Oceanographic Commission of Unesco (IOC), United Nations/Division for Ocean Affairs and the Law of the Sea (UN/DOALOS) and the United Nations Environment Programme (UNEP) with the collaboration of numerous international and national institutes and organizations world-wide (i.e. the ASFIS/ASFA Partners). The ASFIS system's main output is the Aquatic Sciences and Fisheries Abstracts (ASFA) bibliographic database containing more than 2 million references with abstracts and indexing, accessioned since 1971 (and earlier for specific subjects, journals or areas). Upwards of 4000 references are added to the database each month.

The references or input to the ASFA bibliographic database are prepared by a network of National, and International ASFA Partners, including the ASFA Publisher (ProQuest). The bibliographic references are sent to the Publisher where they are processed by computer and merged to create a master file (i.e. the ASFA database). The ASFA database is made available to the ASFA Partners in various formats or media (e.g. Internet, CD/DVD Rom, printed abstracts journals) for use as a source of data for local or national information services. The database is also made commercially available by ProQuest to the general public.

The bibliographic reference for each document in the ASFA database contains: 1) a detailed bibliographic citation, 2) an abstract; and 3) a set of indexing terms. The identification of the data elements making up the bibliographic citation, the writing of the abstract, and the choice of the indexing terms is the responsibility of the ASFA Partner.

Computer based information systems operate most successfully when the input (in this case bibliographic references) is prepared with a high degree of consistency and accuracy. This is true for any computer based system, but it is even more important in an international system like ASFA in which the preparation of input is highly decentralized. In order to attain the desired level of consistency and accuracy, it is necessary that all of the persons submitting references for inclusion in the ASFA database are trained in using a standardized: cataloguing, abstracting and indexing procedure.

The purpose of this Thesaurus is to assist the indexers, in the participating ASFA Partner institutes, in consistently choosing the most appropriate subject descriptors while preparing bibliographic references for inclusion in the ASFA database. Of course, **the Thesaurus is also of use to the “searcher” of the ASFA database**, and it is included as a tool or search aid in the interfaces to the computer searchable versions of the ASFA database.

For further information on ASFA, see the ASFA Home page (<http://www.fao.org/fishery/asfa/en>).

ACKNOWLEDGEMENTS (1986 Edition)

Compilation of this extensive terminology would not have been possible without the willing support of all personnel involved over many years in the development and production of Aquatic Sciences and Fisheries Abstracts (ASFA). This support by past and present members of the ASFA Advisory Board and indexing staff whose names are listed on the editorial pages of ASFA is gratefully acknowledged. Thanks are also due to many specialists in the FAO Fisheries Department, in the Institute of Oceanographic Sciences at Wormley, UK and in the Institute of Offshore Engineering, UK, who have suggested descriptors and defined concepts relevant to their fields of speciality.

To the compilers of this edition of the Thesaurus goes the credit for their unique and valuable achievement. The enormous task of structuring the terminology for the aquatic biology, biological oceanography, and living resource aspects was undertaken by Dr Elda Fagetti of the FAO Fisheries Department; her dedicated efforts launched the development of this Thesaurus on a sound foundation. The entries relevant to the expanded scope of ASFA into physical oceanography, ocean technology and non-living resource aspects were added by Dr D.W. Privett of the UK Institute of Oceanographic Sciences, Wormley, working under contract to FAO. To Mr J.R.L. Sears of Cambridge Scientific Abstracts, Bethesda, MD., USA, goes the credit for suggesting a large number of descriptors and editing online the final print version of this Thesaurus. In addition to the compilers, acknowledgement goes to Arnold Myers (Institute of Offshore Engineering, IOE) who contributed to the vocabulary in marine technology; to Cinda Yates Gainch (Division of the Unesco Libraries, Archives and Documentation Services), who adapted the SPINES software to the ASFIS Thesaurus requirements and carried out the initial computerisation process.

Last but not least in this list of names go acknowledgements to Mr E.F. Akyüz, Chief, Fishery Information, Data and Statistics Service, FAO, who made possible the realisation of this Thesaurus, to Mr R. Needham, head of the Research Information Unit which is responsible for development of all of the ASFIS Reference Series, and to the ASFA staff of the same unit who in one way or another were involved in this lengthy task, particularly Mrs Giovanna Sebastiani-Corbellini and Mrs Luciana Lombardi-Gianandrea, for their invaluable and patient help at the keyboarding and proofreading stages of the Thesaurus.

ACKNOWLEDGEMENTS (2000 Edition)

Adding to the difficult task of updating a Thesaurus, the compiler of this edition (Ms Julia. Hudson, IDC Consultants, Ottawa, Canada) took up the task following many years in which the Thesaurus's maintenance was left pending. During this revision, the Thesaurus maintenance was moved to the OECD thesaurus management software (OECD's Multilingual Thesaurus Manager, MTM). Discussion and voting on the terms was undertaken by the ASFA Thesaurus Working Group then comprised of: Richard. Pepe (FAO, ASFA Secretariat, Italy), Angela Hitti (CSA, USA), Jacqueline Prod'homme (IFREMER, France) and Wulf. Kirchner (BF, Germany).

ACKNOWLEDGEMENTS (2009 Edition)

Periodic revisions to subject terminologies are required as the discipline continues to develop and mature.

The 2009 Edition (Revision 3) incorporates some 200 further entries compiled from two draft lists of amended and new terms. The first list was the collation of the suggestions sent by ASFA Partners. The second was drawn up by the FAO ASFA Secretariat from a review of the FAO Fisheries Glossary. The major work of compiling, circulating and coordinating these lists was undertaken by Ms Linda Noble (National Marine Biological Library, Plymouth, UK) and Ms Helen Wibley (ASFA Secretariat, Rome, Italy). Discussion and voting on the terms was undertaken by the ASFA Thesaurus Working Group which was re-established at the 2006 ASFA Board meeting. The members of this Group were Richard Pepe and Helen Wibley (FAO, ASFA Secretariat), Craig Emerson and Vicki Soto (ProQuest), Linda Noble (NMBL/UK), Jacqueline Prod'homme (IFREMER) and Ian Pettman (FBA/UK).

The thesaurus revision was carried out by Ian Pettman (Freshwater Biological Association, The Ferry Landing, Ambleside, Cumbria, U.K) using the MultiTes Pro thesaurus software. Acknowledgment goes to the efforts of Ian Pettman, who, besides incorporating the revisions and making the necessary structural adjustments, also provided outputs for the print version of the Thesaurus and for other computer formats (XML, OWL and SKOS) for various other potential future applications (e.g. ontologies, GIS).

ACKNOWLEDGEMENTS (2018 Edition)

The 2018 Edition (Revision 4) incorporates some 610 further entries compiled from two draft lists of amended and new terms. The first list was the collation of the suggestions sent by ASFA Partners. The second was drawn up by the FAO ASFA Secretariat. In addition, a list of some 60 orphan terms from the 2009 Edition was examined for expansion or exclusion of these terms. The major work of compiling, circulating and coordinating these lists was undertaken by Ms Linda Noble (Consultant to ASFA Secretariat, based in UK) and Mr Richard Pepe (Consultant to ASFA Secretariat, Rome, Italy). Discussion and voting on the terms was undertaken by the ASFA Thesaurus Working Group which was re-established at the 2015 ASFA Board meeting. The members of this Group were Richard Pepe, Linda Noble and Helen Wibley (FAO, ASFA Secretariat), Paula McCoy and Natalie Abram (ProQuest), Guillermina Cosulich (INIDEP/Argentina), Daryl L. Superio (SEAFDEC/Philippines), Jacqueline Prod'homme (IFREMER) and Ian Pettman (FBA/UK).

The thesaurus revision was carried out by Ian Pettman (Freshwater Biological Association, The Ferry Landing, Ambleside, Cumbria, U.K) using the MultiTes Pro thesaurus software. Acknowledgment goes to the efforts of Ian Pettman, who, besides incorporating the revisions and making the necessary structural adjustments, also provided outputs for the print version of the Thesaurus and for other computer formats (Text, XML, Excel and SKOS) for various other potential future applications (e.g. ontologies, GIS).

Explanatory note

by

Elda Fagetti, FAO
(Revised by Ian Pettman, FBA)

1. PURPOSE AND COVERAGE OF THE ASFIS THESAURUS

1.1. Purpose

The ASFIS Thesaurus has been conceived so as to correspond to the objectives of the ASFIS system. It permits the subject indexing and retrieval of information on all aspects of aquatic sciences and technology, exploitation of living and non-living resources, related policy, social and economic aspects, processing and marketing of aquatic products, as recorded and stored in the Aquatic Sciences and Fisheries Information System's ASFA database. So far as can be ascertained, this is the only Thesaurus devoted to this broad field of knowledge. This Revision 4 supersedes the "Thesaurus of Terms for Aquatic Sciences and Fisheries" published in 1976 as FAO Fisheries Circular number 344, the "Aquatic Sciences and Fisheries Thesaurus" published in 1986 as ASFA Reference Series No.6, Revision 1, the "Aquatic Sciences and Fisheries Thesaurus" published in 2000 as ASFA Reference Series No.6, Revision 2 and the "Aquatic Sciences and Fisheries Thesaurus" published in 2009 as ASFA Reference Series No.6, Revision 3.

1.2. Status of Thesaurus Development

It is perhaps worthwhile to emphasize that a technical thesaurus is not concerned with "semantic perfection" or exact hierarchy of scientific disciplines. Its structure is developed in accordance with the pragmatic requirements of information retrieval. The terminology presented in this publication has resulted from the experience gained in indexing over 2,000,000 records for inclusion in the Aquatic Sciences and Fisheries Abstracts database during 1971-2016. Extensive reference has been made to other related authority lists, thesauri, term glossaries and dictionaries. A list of these can be found in the bibliography. Nevertheless, terminology relevant to any area of scientific/technological development grows hand-in-hand with that development, and no thesaurus can ever be regarded as final.

The effort of compiling a more comprehensive update to this Thesaurus would have taken considerably more time. Rather than tolerate further delay in revising the now outdated 2009 edition, the ASFA Advisory Board has chosen to publish this Thesaurus now. Users may find some topics within the scope of ASFIS still not satisfactorily covered. To facilitate revision and updating, comments on and/or criticisms of the Thesaurus are welcome. Such comments/criticisms as well as suggestions for new terms to be added to the Thesaurus should be submitted on the forms found in this Thesaurus to:

Fishery Statistics and Information Branch (FIAS)
Attention: ASFA
Fisheries and Aquaculture Department
Food and Agriculture Organization of the United Nations
00153 Rome, Italy

The Thesaurus covers only subject index terms and should be used in conjunction with the ASFIS Guidelines for Subject Categorisation and Indexing - (ASFIS-5) - and the other ASFIS indexing tools, namely ASFIS Geographic Authority List - (ASFIS-7) - for geographic indexing and the ASFIS List of Species for Fishery Statistics Purposes (ASFIS -15), for taxonomic indexing.

1.3. Background

This thesaurus has evolved hand-in-hand with the growth of interest in aquatic ecosystems (both marine and freshwater) during the last 46 years, and the accompanying problems in handling the rapidly increasing volume of relevant scientific and technical literature.

In 1964, as a result of a collaborative programme with the University of Rhode Island, FAO published a *List of classification terms and subject descriptors*. In 1970, when arrangements were being made for the cooperative publication of the *Aquatic Sciences and Fisheries Abstracts* (ASFA) journal, the Informations and Dokumentationsstelle of the Bundesforschungsanstalt für Fischerei (Hamburg, Germany FR), undertook to further develop and classify this list. This work resulted in a considerably enhanced terminology (1971, revised 1974) which was used to index citations appearing in ASFA during this period.

In this next phase, FAO structured this terminological authority to produce a draft structured thesaurus (1974) which was evaluated in the production of a new experimental index for the 1975 volume of ASFA and used to index ASFA documents until the revised and enlarged version was published by FAO (FAO, 1976). This was widely distributed among ASFA indexers and users, specialised libraries and information systems over the world. It has been translated into Spanish (Mileo, A.T., 1981 and 1985) and French, following the IOC Executive Council recommendation of May 1979 (IOC/EC - X1.13) that "the Secretary of IOC makes arrangements when required for the translation of the terms in the enlarged ASFIS Thesaurus (ASFIS-6) through interested international institutions and member states, in particular in conjunction with ASFIS centres and other centres of excellence, having the necessary linguistic competence."

The widening of the ASFA scope in 1978 to cover also non-living resources and their exploitation called for additional appropriate terminology which was developed hand-in-hand with the development of ASFA-2: *Ocean Technology, Policy and Non-Living Resources*. The 1986 ASFIS Thesaurus (ASFIS-6, Revision 1) included therefore the original ASFA terminology in use since its origin plus additional terms relevant to the enlarged scope of ASFA or to the overall scope, in accordance with the development of the system.

The further widening of the scope in 1990 to include pollution and contamination called for additional appropriate terminology which was developed hand-in-hand with the development of ASFA-3: *Aquatic Pollution and Environmental Quality*. This resulted in the production of ASFIS-6, Revision 2 in the year 2000.

As for the previous editions, additions to the terminology for the production of both the ASFIS-6, Revision 3, 2009 and this latest Revision 4 have been based mainly on suggestions received from the international network of ASFIS input centres as well as from other aquatic and fisheries information systems.

Changes have been kept to the strictly necessary in order to keep consistency in the ASFA indexing vocabulary already well established over many years. For additional descriptors or changed descriptors, information is included in their SN giving the year in which their use was initiated as far as possible. Changed descriptors are also cross-referred to corresponding descriptors used in previous years.

As demonstrated by the previous edition, the Thesaurus will continue to exercise its influence over the standardisation of the English terminology relevant to the science and technology of the aquatic environment. It has already been adopted in a variety of emerging national and international information systems.

1.4. Field coverage of the ASFIS Thesaurus

The specialised field coverage of the ASFA Thesaurus can be divided into a core area which is treated in depth at very specific levels and peripheral areas requiring less refined treatment and treated only when relevant to the ASFA scope.

Strictly Core Areas

Aquatic natural and applied sciences such as:

Biology	Aquaculture
Ecology	Geology
Environmental sciences	Geophysics
Oceanography	Meteorology and climatology
Limnology	Fisheries sciences

Technology and Engineering such as:

Marine technology	Fishing technology
Ship technology	Fish food technology

Living and non-living resources exploitation and processing, such as:

Fishable stocks	Cultured stocks
Fishery products	Freshwater from the sea
Energy from the sea	Chemicals from the sea
Minerals from the sea	Oil and gas

Aquatic pollution and its effects in organisms

Aquatic environmental changes, conservation, public health

Social, economic and policy relevant aspects

Marginal or peripheral areas

Exact and natural sciences, such as:

Biology	Chemistry
Mathematics	Physics
Space sciences	Statistical sciences

Human and social sciences:

Development sciences	Economics
History	International relations
Pedagogy	Management

Applied sciences and technologies

Engineering relevant sciences	Information sciences
Medical sciences	Transport technology
Power technology	Potable and waste water treatment technology

2. RULES AND CONVENTIONS

2.1. Standardisation and control of terms

In order to allow for coincidence between the indexing language and the searching language the ASFIS Thesaurus includes two types of terms, descriptors and non-descriptors.

Descriptors or allowable (permitted) terms are those which have been accepted by the systems for describing a concept and which are therefore used in indexing and consequently also for retrieval. The present version of the ASFIS Thesaurus includes over 6,200 descriptors.

Non-descriptors or forbidden (or unauthorised) terms include true synonyms, quasi-synonyms, word forms, different (American) spelling or very specific terms which are grouped for indexing (or retrieval) purposes into a conceptually broader term. They are followed by a USE reference which leads to the relevant descriptor. Therefore they are also known in controlled language systems as "lead-in terms." The present version includes 3,700 non-descriptors.

2.1.1 Spelling rules

The following rules have been followed:

British English rather than American English has been adopted for the descriptors. Where American spelling is used, or where alternative English spellings are available, they have been cross-referred to the preferred descriptors.

2.1.2 Noun and adjective forms

All descriptors have a "substantive" (or "noun") form.

Usually "common" adjectives are pre-coordinated with nouns and entered as compound descriptors to avoid (i) inconsistency in indexing and (ii) false combinations during retrieval, for example: "marine" pre-coordinated in:

MARINE ORGANISMS
MARINE PARKS
MARINE POLLUTION
MARINE TECHNOLOGY, etc.

and "international" pre-coordinated in:

INTERNATIONAL AGREEMENTS
INTERNATIONAL LAW
INTERNATIONAL POLICY, etc.

Only a very small proportion of single word terms in adjectival or adverbial form are entered, with the instruction in SN "To be used only as a qualifier." This is for the benefit of practicality and flexibility, for adjectives in recurrent or common use, for example:

ANNUAL, MONTHLY, etc.

Prepositions are avoided in noun phrases (pluriterms), for example: "Technology transfer" instead of 'Transfer of technology.' The following exceptions were made because the form with the preposition is the most familiar:

LAW OF THE SEA, OIL AND GAS and its compound descriptors, EQUATIONS OF STATE

2.1.3 Singular and plural forms

The general rule adopted is that *plural form* be given preference, whenever possible. It was always adopted for generic processes, phenomena, operations, properties, materials, instruments, entities, for example:

FISHERIES
BIOLOGICAL PHENOMENA
CHEMICAL PROPERTIES
FISH DISEASES
MEASURING DEVICES

Singular form is used for specific processes, properties and phenomena, specific materials, proper chemical names and disciplinary areas, which are acceptable only in the singular:

DECANTATION
DENSITY
GUANO
GROWTH
IRIDIUM
CHEMISTRY

When singular or plural forms of a term imply two different concepts, compound descriptors are used to avoid ambiguities, for example:

"coating" as a process is entered as COATING PROCESSES

"coatings" as an entity is entered as a synonym of COATING MATERIALS.

2.1.4 Abbreviations, initials and acronyms

As a general rule, abbreviations for descriptors have been avoided. Exceptions are:

- abbreviations which are universally accepted and do not give rise to misinterpretations, especially when appearing in their clustered structure e.g. DDT, RNA
- if the expanded form of the term is excessively long.

However, the expanded form of the term appears always as a synonym with a cross-reference, or in the scope notes.

2.1.5 Alphabetisation

Alphabetisation is based on word-by-word arrangement, according to the following sequences: spaces, special characters (full stop, hyphen, parenthesis) and letter in usual order.

2.2. Multiple-word entries

Both single-word descriptors and multiple-word descriptors have been used. Multiple-word entries (consisting of two or more words) are necessary to modify, define or specify scientific and technical concepts. In the field of aquatic sciences, this is particularly needed because the distinct environments (marine, fresh and brackish water) frequently imply particular research disciplines (e.g. MARINE GEOLOGY), different flora and fauna (e.g. FRESHWATER MOLLUSCS), or specialised techniques. (ESTUARINE FISHERIES). Other compound descriptors have been used to express concepts that should not be separated, for example BIOLOGICAL DEVELOPMENT; this helps to overcome retrieval problems associated with high-frequency usage of terms such as BIOLOGY and DEVELOPMENT.

Multiple-word descriptors are mainly entered with the words in their natural order, for example, MARINE POLLUTION and cross-referred to the hidden-words in the descriptors "pollution (marine)" as lead-in-terms. The first word in a multiple-word entry is always used in the singular form and the entry is cross-referred to the non-descriptor (and vice versa) when the plural is also in common use, for example FISHERY MANAGEMENT OF "fisheries management."

2.3. Use of characters

2.3.1 Character sets

The general rules adopted for the alphabetical structured list follows the following printing format:

- all descriptors are printed in bold font
- all non-descriptors (UF references) are printed in standard font

2.3.2 Punctuation

Punctuation marks have been kept to a minimum

- Diacritical marks are avoided
- Prefixes are usually connected to the stem, for example
MICROFORMS
MICROHABITATS
- Hyphens have been retained only when this is common practice or when omission may alter the meaning of the term, for example:

RHODAMINE B-DYE
SHORT-CRESTED WAVES
POLE-LINE FISHING
AIR-ICE INTERFACE, etc.

and for letter-word combinations, for example:

X-RAY ANALYSIS
S-WAVES

The space occupied by the hyphen is:

- (i) Left blank for some compound adjectives, noun-noun combinations, where this is common practice, for example:

IN SITU DENSITY

- (ii) dropped in attaching prefixes (adverbs) to the base word (stem), where this is common practice, for example:

NONDESTRUCTIVE TESTING
MULTISPECIES FISHERIES
MONOSEX CULTURE

- In previous editions, slash was used but only for the following compound descriptors, because of their common use in the specialized languages:

T/S DIAGRAMS, CARBON/NITROGEN RATIO, CATCH/EFFORT, THORIUM-230/THORIUM-232 DATING, URANIUM-232/URANIUM-238 RATIO and YIELD/RECRUIT

However, in this edition, the slashes have been replaced by hyphens since most computer search engines cannot use the / in a descriptor. These entries are now in the form

T-S DIAGRAMS, CARBON-NITROGEN RATIO etc.

A global search and replace for these indexing terms throughout the complete database is planned so that there will be consistency of search results.

- Periods and commas are used only in scope notes.
- Parentheses are used only for very few descriptors, as specified below, which need parenthetical definition and in non-descriptors resolved by inversion i.e. "reaction (chemical)" use CHEMICAL REACTIONS. Inversion was adopted, in general, with some exceptions, e.g.:

RESERVOIRS (WATER)
HABITAT IMPROVEMENT (CHEMICAL)
HABITAT IMPROVEMENT (PHYSICAL)
HABITAT IMPROVEMENT (FERTILIZATION)

3. SELECTION AND DEFINITION OF TERMS

As already mentioned in the introduction the ASFIS controlled vocabulary has developed hand-in-hand with the development of the Aquatic Sciences and Fisheries Abstracts journal. The ASFA indexers suggested terms in accordance with their experience in indexing documents for ASFA entries. The compilers selected among the suggested terms those more frequently requested or those that were considered necessary for indexing at more specific levels. Specialised relevant nomenclature bulletins, dictionaries and thesauri, as listed in the bibliography, were consulted for term selection and definition.

3.1. Term Selection

The main sources of term selection were:

- (1) *Aquatic Sciences and Fisheries Thesaurus* (FAO, 1986)
- (2) the indexing of ASFA-3 documents from 1990 to 2000
- (3) the suggestions of ASFA Partners
- (4) Thesauri, Dictionaries and Glossaries as listed in the selected bibliography

3.2. Term definition

The inter-relationships given in the Thesaurus supply a kind of definition by grouping terms in their semantic relations. A rough definition of the terms, when this is needed, is given in the scope notes. Usually to:

- restrict the usage of a broad descriptor within the context of the ASFIS system's scope.
- clarify the exact meaning of key specialised terms
- to give the corresponding descriptors used in previous years
- to explain the meaning of certain non-English terms
- to indicate that the descriptor is to be used only as a qualifier
- to recommend, in the case of a few "umbrella terms," i.e. terms with a very broad meaning, to select and use a more specific, or alternative, descriptor, among those listed below as NTs or RTs.

4. SPECIFICITY AND PRE-COORDINATION LEVEL

Due to the wide scope of ASFIS which covers three well-defined aquatic environments and bio-ecological as well as physico-chemical oceanographic sciences and technologies, a high level of specificity is necessary to ensure precision performance both at the input and the retrieval stages. To avoid confusion of descriptors which have a different meaning if applied to bio-ecological aspects or to physico-chemical aspects, the pre-coordination of terms by multiword descriptors has been very frequently adopted e.g.

BIOTESTING UF BIOLOGICAL TESTING, to distinguish from more general TESTING procedure etc.

BIOLOGICAL DAMAGE to distinguish from DAMAGE as resulting from accident or fire.

The same pre-coordination level was adopted for the terminology which refers to a specific aquatic environment in order to give to the relevant descriptors more specificity as requested by the specialised technology in use, or by the organisms involved e.g.

AQUACULTURE as broader term, but also MARINE AQUACULTURE, FRESHWATER AQUACULTURE and BRACKISHWATER AQUACULTURE.

Very general descriptors which are too generic or too conceptually broad for precise indexing and retrieval purposes have been included only with the function of recalling under a single generic "umbrella" term, the pre-coordinated specific descriptors among which to select the most relevant one e.g.

CONTROL and EQUIPMENT followed by the hierarchical display of narrower precoordinated descriptors or PROPERTIES followed by a non-hierarchical list of precoordinated descriptors as related terms.

5. COMPUTER LOADING, CHECKING AND DEVELOPMENT

Following automation via the MultiTes Pro software, the Thesaurus was converted and edited by the Freshwater Biological Association leading to this print and online version of the ASFIS Thesaurus.

6. THESAURUS CLASSIFICATION, STRUCTURE AND NOTATION

6.1. Thesaurus structural relations

As in previous editions, this Thesaurus is structured to display commonly accepted relationships - preferential, hierarchical and affinitive.

6.2. Notation

6.2.1 Scope notes

SN (scope note), a rough definition of the scope of the term where this is needed (usually for limitation). Scope notes also indicate the date, year in which additional descriptors to the 1976 version entered into use ("Added in...") and the dates when previous descriptors were changed, in which case indication is also given of descriptors previously used ("Before...search...").

The scope notes of a few "umbrella" terms included in the thesaurus recommend the use of alternative or more specific descriptors as listed below, at hierarchical or related levels.

6.2.2 Alternative relations and synonymy

USE directs the user from a non-descriptor to the relevant descriptor; UF (used for) is the reciprocal relationship to USE.

The USE-UF cross-relationship is used in a variety of situations:

- for synonyms or near synonyms
man-made lakes USE ARTIFICIAL LAKES
chorology USE BIOGEOGRAPHY
- to indicate preference in spelling
hematology USE HAEMATOLOGY
- to designate a mandatory generically broader descriptor
coastal aquaculture USE MARINE AQUACULTURE
- to designate a preferred, closely related, descriptor
commercialization USE MARKETING
- to indicate preferred (natural) word order
reactions (chemical) USE CHEMICAL REACTIONS
pollution (marine) USE MARINE POLLUTION
- to refer from specific commonly-used parameters to the phenomena or properties which they quantify, for example:
metabolic rate USE METABOLISM
respiratory quotients USE RESPIRATION
fishing mortality coefficients USE FISHING MORTALITY

6.2.3 Hierarchical relations

ASFIS Thesaurus includes mainly generic hierarchical relations, in which the generic descriptor (broad term) represents a class of concepts expressed by its specific descriptors (narrower terms).

BT (broader term):	DISEASES (generic)
NT (narrower term):	FISH DISEASES
	PLANT DISEASES

6.2.4 Associative or affinitive relations

The non-hierarchical relations, direct the users to alternative descriptors in the event that the lead descriptor is conceptually inappropriate. They are known as related terms and entered as RT. Related terms in the ASFIS Thesaurus are displayed also:

- to indicate antinomy
AESTIVATION RT HIBERNATION

- to suggest possible concurrent use of two concepts
ESCAPEMENT RT MESH SELECTIVITY
- to indicate an affinitive relationship other than hierarchic
AQUACULTURE RT AQUACULTURE TECHNIQUES (ie. instrumental relationship)
WATER POLLUTION RT POLLUTION EFFECTS (i.e. cause/effect relationship)

7. GUIDELINES FOR TERM SELECTION BY USER

It is difficult to lay down a coherent set of rules for subject indexing where different research disciplines and technologies are involved, but users of this Thesaurus should be aware of certain general considerations:

Only the essential scientific technical concepts, which are necessary for retrieval of the document abstracted, should be indexed;

Be specific by using the available keyword at the nearest level of specificity.

Example: if a paper deals with migration of juvenile tuna to feeding grounds, do not use MIGRATIONS as descriptor but the more specific keyword FEEDING MIGRATIONS;

Use a combination of descriptors where needed, even if this involves the redundancy of using "stem-synonyms."

Example: if a paper deals with mesh selectivity of a certain type of fishing net for fishery regulation purposes, use both relevant descriptors MESH SELECTIVITY and MESH REGULATIONS plus other related descriptors, e.g., TRAWLS;

Use complimentary descriptors where needed for a particular aquatic environment (marine, freshwater and brackishwater environment) and its organisms.

Example: (a) if a paper deals with oyster culture in the Ribadeo estuary, use both descriptors OYSTER CULTURE and BRACKISHWATER AQUACULTURE;

(b) if a paper deals with the effects of pollution on an oceanic species, use both descriptors MARINE POLLUTION and POLLUTION EFFECTS plus the relevant taxonomic entry;

Descriptors referring to very broad concepts - "umbrella" terms - which have been included to facilitate retrieval of the related specific descriptors *should not* be used alone (i.e. without an additional subject descriptor which is more specific, for example:

METHODOLOGY may serve as qualifier for a more specific entry such as SHRIMP CULTURE when the paper dealt with describes methods in use;

Index always with subject descriptors plus the taxonomic entry (in the appropriate tag of the Indexing Form) those papers that deal with aquatic animals and plants, for which only vernacular names are given.

Example: (a) a paper dealing with tuna fishery in the World Ocean should be indexed by the relevant subject descriptors TUNA FISHERIES and PELAGIC FISHERIES plus the taxonomic entry SCOMBRIDAE;

(b) a paper dealing with carp culture should be indexed by both relevant subject descriptors FRESHWATER AQUACULTURE and CARP CULTURE and CYPRINIDAE or, if present, the specific taxonomic name of the carp species.

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9. THESAURUS TERMS

AAS
USE: **Absorption spectroscopy**

Abalone culture
UF: Ormer culture
BT: Gastropod culture

Abalone fisheries
USE: **Gastropod fisheries**

Abdomen
UF: Peritoneum
BT: Body regions
RT: Digestive system

Abiotic diseases
USE: **Environmental diseases**

Abiotic factors
SN: Before 1982 search
ENVIRONMENTAL
FACTORS
UF: Density-independent factors
BT: Environmental factors
RT: Dissolved oxygen
Light
Salinity
Water temperature

Ablation
SN: Use only for processes
resulting in removal and loss of
ice from glaciers, floating ice,
etc. For organ ablation use
ORGAN REMOVAL
RT: Air-ice interface
Calving
Evaporation
Glaciers
Ice accretion
Ice caps
Ice islands
Ice melting
Ice shelves
Ice volume
Icebergs
Sublimation

Abnormal organisms
USE: **Abnormalities**

Abnormalities
SN: Restricted to living organisms
UF: Abnormal organisms
Body deformations
Malformations
NT: Genetic abnormalities

Aboriginal fishing
USE: **Indigenous fishing**

Absolute age
UF: Actual age
BT: Age
RT: Radiometric dating

Absolute food deficiency
USE: **Starvation**

Absolute humidity
BT: Humidity

Absolute velocity
USE: **Velocity**

Absolute vorticity
BT: Vorticity
RT: Conservation of vorticity
Coriolis parameters
Relative vorticity

Absorbance
BT: Optical properties
RT: Absorption coefficient
Absorption spectra
Light absorption
Wave motion

Absorption (chemistry)
USE: **Sorption**

Absorption (food)
USE: **Food absorption**

Absorption (light)
USE: **Light absorption**

Absorption (physics)
NT: Light absorption
Sound absorption
RT: Amplitude
Attenuation
Reflection
Transmission
Wave motion

Absorption (sound)
USE: **Sound absorption**

Absorption coefficient
SN: Before 1982 search also
ABSORPTIVITY
UF: Absorptivity
RT: Absorbance
Emissivity
Extinction coefficient
Light absorption
Light penetration

Absorption loss
USE: **Transmission loss**

Absorption spectra
BT: Spectra
RT: Absorbance
Absorption spectroscopy
Light absorption
Light penetration
Turbidity

Absorption spectrometry
USE: **Absorption spectroscopy**

Absorption spectroscopy
UF: AAS
Absorption spectrometry
Atomic absorption spectroscopy
BT: Spectroscopic techniques
RT: Absorption spectra

Absorptivity
USE: **Absorption coefficient**

Abstracts
UF: Summaries
RT: Documents

Abundance
SN: For population studies use
POPULATION NUMBER if
given in number, or BIOMASS
if given in weight
UF: Relative abundance
RT: Availability
Biomass
Depletion
Population number
Quantitative distribution

Abundance (chemical)
USE: **Chemical composition**

Abuse to animals
USE: **Animal welfare**

Abyssal circulation
SN: World-wide deep circulation
of ocean basins
BT: Ocean circulation
RT: Abyssal currents
Bottom topography effects

Abyssal cones
USE: **Deep-sea fans**

Abyssal currents
BT: Bottom currents
RT: Abyssal circulation
Benthic currents

Abyssal environment
USE: **Abyssal zone**

Abyssal hills
BT: Submarine features

Abyssal plains
BT: Submarine features
RT: Continental rise
Ocean basins
Ocean floor
Plains
Sea channels

Abyssal zone
SN: Zone below 1000 m depth
UF: Abyssal environment
RT: Abyssobenthic zone
Abyssopelagic zone
Pelagic environment

ASFA THESAURUS

Abyssobenthic zone

SN: Benthic regions below 1000 m depth
 BT: Benthic environment
 RT: Abyssal zone
 Abyssopelagic zone

Abyssopelagic zone

SN: Pelagic regions below 1000 m depth
 BT: Oceanic province
 RT: Abyssal zone
 Abyssobenthic zone
 Aphotic zone

Acceleration

NT: Coriolis acceleration
 RT: Accelerometers
 Centrifugal force
 Centripetal force
 Coriolis force
 Kinematics
 Velocity

Accelerometers

BT: Instruments
 RT: Acceleration
 Gravity meters
 Seismometers
 Transducers
 Wave recorders

Acceptability

RT: Acceptance tests
 Evaluation
 Inspection
 Performance assessment
 Quality
 Reliability
 Standards
 Testing

Acceptance tests

BT: Tests
 RT: Acceptability
 Quality control

Access

NT: Public access

Accessory respiratory organs

USE: **Respiratory organs**

Accident prevention

BT: Health and safety
 RT: Accidents
 Protection
 Safety devices
 Safety regulations

Accidents

UF: Disasters (man-made)
 Man-made disasters
 NT: Chemical spills
 Collisions
 Diving accidents

Marine accidents

Oil spills

Radiation leaks

RT: Accident prevention

Damage

Damage assessment

Disasters

Emergencies

Hazards

Injuries

Search and rescue

Acclimation

SN: Adjustment of aquatic organisms to conditions in the laboratory
 BT: Adaptations
 RT: Acclimatization
 Captivity

Acclimatization

SN: Adjustment of organisms to conditions in the aquatic environment
 UF: Adaptations (physiological)
 Physiological adaptations
 BT: Adaptations
 RT: Acclimation
 Captivity

Accommodation

UF: Living quarters
 RT: Offshore structures
 Underwater habitats

Accreting plate boundaries

USE: **Diverging plate boundaries**

Accretion

UF: Aggradation
 NT: Beach accretion
 Crustal accretion
 Ice accretion
 RT: Sedimentation

Accumulation

NT: Bioaccumulation
 Ion accumulation
 RT: Fate

Accumulation of ions

USE: **Ion accumulation**

Accumulation of sediments

USE: **Sedimentation**

Accuracy

RT: Calibration
 Measurement
 Reliability
 Resolution
 Tests

Acetate

BT: Carboxylic acid salts

Acetone

BT: Ketones

Acetylcholine

USE: **Neurotransmitters**

Acetylene

USE: **Ethyne**

Acid mine drainage

SN: Drainage of water from areas that have been mined for coal or other mineral ores. The water has a low pH because of its contact with sulfur-bearing material
 BT: Drainage water
 RT: Chemical reactions
 Environmental impact
 Mining
 pH
 Water pollution

Acid precipitation

USE: **Acid rain**

Acid rain

SN: Precipitation having a pH Below 5.6 due to high concentrations of sulphate, nitrate, ammonium or other anions
 UF: Acid precipitation
 BT: Rain
 RT: Acidity
 Freshwater pollution

Acidification

RT: Acidity
 Acids
 pH

Acidity

BT: Chemical properties
 RT: Acid rain
 Acidification
 Acids
 Alkalinity
 Buffers
 pH
 pH effects

Acids

SN: Use of a more specific term is recommended
 NT: Inorganic acids
 Organic acids
 RT: Acidification
 Acidity

Acoustic analogs

USE: **Acoustic models**

Acoustic arrays

BT: Arrays
 NT: Sonar arrays
 Transducer arrays

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Transponder arrays RT: Acoustic equipment Seismic arrays	Acoustic beacons Acoustic command systems Acoustic release mechanisms Acoustic tracking systems Acoustics Echo integrators Electronic equipment Fish counters Sonar Sonar receivers Sonar targets Sonic tags Sound recorders Sound waves	RT: Acoustic beacons Navigation underwater Sonar
Acoustic baffles USE: Acoustic insulation		Acoustic pingers USE: Pingers
Acoustic beacons BT: Navigational aids RT: Acoustic equipment Acoustic navigation Acoustic transponders Dynamic positioning Positioning systems		Acoustic properties UF: Sound properties BT: Physical properties RT: Acoustic impedance Acoustic insulation Acoustics Cavitation Sound attenuation Sound intensity Sound velocity
Acoustic cavitation USE: Cavitation	Acoustic generators USE: Sound generators	
Acoustic channels USE: Sound channels	Acoustic holography BT: Acoustic imagery Holography RT: Acoustic tomography	Acoustic radiators USE: Sound generators
Acoustic command systems RT: Acoustic equipment Acoustic telemetry Acoustic transponders Remote control	Acoustic imagery UF: Acoustic sensing BT: Imagery NT: Acoustic holography Acoustic tomography Sonar imagery RT: Acoustic images Sodar	Acoustic release mechanisms BT: Release mechanisms RT: Acoustic equipment
Acoustic current meters BT: Current meters RT: Eulerian current measurement		Acoustic sensing USE: Acoustic imagery
Acoustic data BT: Data	Acoustic images RT: Acoustic imagery	Acoustic sizing techniques USE: Fish sizing
Acoustic detection USE: Sonar detection	Acoustic impedance BT: Impedance RT: Acoustic properties Sound velocity	Acoustic spectra USE: Sound spectra
Acoustic devices USE: Acoustic equipment		Acoustic stratigraphy USE: Seismic stratigraphy
Acoustic direction finding USE: Echo ranging	Acoustic insulation UF: Acoustic baffles Baffles (sound) Sound baffles Sound insulation BT: Insulating materials RT: Acoustic properties Noise reduction Sound absorption Suppressors	Acoustic surveys USE: Echo surveys
Acoustic distance measurement USE: Echo ranging		Acoustic surveys (atmosphere) USE: Sodar
Acoustic doppler sonar USE: Doppler sonar	Acoustic intensity USE: Sound intensity	Acoustic systems USE: Acoustic equipment
Acoustic emission RT: Nondestructive testing	Acoustic measurement USE: Sound measurement	Acoustic tags USE: Sonic tags
Acoustic emission testing USE: Nondestructive testing	Acoustic models UF: Acoustic analogs BT: Analog models RT: Acoustics	Acoustic telemetry BT: Telemetry RT: Acoustic command systems Acoustic tracking systems
Acoustic equipment UF: Acoustic devices Acoustic systems Instruments (acoustic) BT: Equipment NT: Acoustic transducers Acoustic transponders Echosounders Electroacoustic devices Net sounders Sound generators RT: Acoustic arrays	Acoustic navigation UF: Sonar navigation Transponder navigation BT: Navigation NT: Doppler navigation	Acoustic tomography BT: Acoustic imagery RT: Acoustic holography Tomography
		Acoustic tracking USE: Tracking
		Acoustic tracking systems UF: Underwater tracking systems BT: Detectors RT: Acoustic equipment Acoustic telemetry

ASFA THESAURUS

Additional catch

USE: **By catch**

Additives

UF: Modifiers

NT: Food additives

RT: Agents

Adenosine diphosphate

USE: **ADP**

Adenosine monophosphate

USE: **AMP**

Adenosine triphosphate

USE: **ATP**

Adhesion

UF: Bonding

RT: Adhesives

Surface properties

Adhesives

UF: Binders (adhesives)

Cements (adhesives)

Rubber (adhesives)

NT: Fish glue

RT: Adhesion

Epoxy resins

Adiabatic cooling

USE: **Adiabatic processes**

Adiabatic heating

USE: **Adiabatic processes**

Adiabatic lapse rates

USE: **Temperature gradients**

Adiabatic processes

UF: Adiabatic cooling

Adiabatic heating

BT: Isothermal processes

RT: Potential density

Potential temperature

Thermodynamics

Adiabatic temperature gradient

USE: **Temperature gradients**

Adipose tissue

UF: Adipose tissues

Body fat

BT: Tissues

NT: Blubber

RT: Body conditions

Body shape

Body size

Body weight

Lipids

Adipose tissues

USE: **Adipose tissue**

Adjacent seas

USE: **Marginal seas**

Administration

USE: **Management**

ADP

UF: Adenosine diphosphate

BT: Nucleotides

Phosphates

Adrenal glands

SN: Before 1982 search

ENDOCRINE GLANDS

UF: Suprarenal glands

BT: Endocrine glands

RT: Kidneys

Adsorbents

USE: **Adsorption**

Adsorption

SN: The taking up of one substance at the surface of another

UF: Adsorbents

BT: Sorption

RT: Chromatographic techniques

Diffusion

Drying

Exchange capacity

Oil removal

Oil water separation

Osmosis

Separation

Surface properties

Adults

BT: Developmental stages

RT: Sexual maturity

Advection

SN: Process of transport of property by mass motion

UF: Marine advection

BT: Transport processes

NT: Convection

Horizontal advection

Salt advection

Vertical advection

RT: Circulation

Convergence zones

Heat transport

Oceanic convergences

Advection fog

USE: **Fog**

Advertisements

USE: **Publicity material**

Aeolian deposits

USE: **Eolian deposits**

Aeolian dust

USE: **Eolian dust**

Aeolian processes

USE: **Eolian processes**

Aeolian transport

USE: **Eolian transport**

Aeration

NT: Artificial aeration

Bioaeration

RT: Air

Air bubbles

Bubbling

Dissolved oxygen

Mixing processes

Oxygenation

Self purification

Separation

Sewage treatment

Sludge treatment

Water circulation

Water filtration

Water mixing

Water treatment

Aerial exposure

USE: **Air exposure**

Aerial photographs

SN: Before 1982 search AERIAL PHOTOGRAPHY

BT: Photographs

RT: Aerial photography

Satellite mosaics

Aerial photography

BT: Photography

NT: Satellite photography

RT: Aerial photographs

Aerial surveys

Airborne sensing

Stereophotography

Aerial surveys

BT: Surveys

RT: Aerial photography

Airborne sensing

Fishery surveys

Survey design

Aerobic bacteria

BT: Bacteria

RT: Self purification

Aerobic conditions

USE: **Oxic conditions**

Aerobic respiration

BT: Respiration

RT: Anoxia

Biochemical oxygen demand

Compensation depth

Dissolved oxygen

Gills

Lungs

Oxygen consumption

Respirometers

Aerobic sediments

USE: **Oxic sediments**

ASFA THESAURUS

Aerodynamics

BT: Fluid dynamics

Aeromagnetic surveys

BT: Surveys
RT: Airborne sensing
Geomagnetic field
Magnetic exploration

Aeronomy

USE: **Atmospheric physics**

Aerosols

UF: Atmospheric aerosols
Continental aerosols
Marine aerosols
BT: Colloids
NT: Radioactive aerosols
RT: Air pollution
Atmospheric particulates
Bubble bursting
Turbidity

Aestivation

RT: Animal physiology
Body temperature
Dormancy
Ecophysiology
Environmental effects
Heat balance
Hibernation
Metabolism
Plant physiology
Temperature tolerance
Thermoregulation

Aetiology

SN: The medical study of the causation of diseases
UF: Etiology
BT: Medicine
RT: Disease control
Disease detection
Diseases

Afferent nerves

USE: **Nerves**

Affluents

USE: **Tributaries**

Agar

BT: Seaweed products
RT: Alginates
Carbohydrates
Carrageenins
Colloids
Polysaccharides

Agarose

BT: Polysaccharides

Age

UF: Age of seawater
Age of tide
Earth age
Wave age

NT: Absolute age

Biological age

RT: Age determination

Aging

Geochronometry

Residence time

Age (biological)

USE: **Biological age**

Age (organisms)

USE: **Biological age**

Age at first maturity

USE: **Age at recruitment**

Age at recruitment

SN: Age at which fish are recruited as fishable stock
UF: Age at first maturity
BT: Biological age
RT: Age composition
Recruitment

Age composition

SN: Year-class frequencies
BT: Population structure
RT: Age at recruitment
Age determination
Age groups
Biological aging
Size distribution
Year class

Age determination

SN: Restricted to age determination in aquatic organisms. For physical purpose use GEOCHRONOMETRY
Before 1982 search also AGEING METHODS
UF: Biological dating
Dating (biological)
Organism dating
NT: Otolith reading
Scale reading
RT: Age
Age composition
Age groups
Biological aging
Fossils
Growth
Longevity

Age determination (earth sciences)

USE: **Geochronometry**

Age grading

SN: Before 2016 search GRADING + BIOLOGICAL AGE
BT: Biological grading

Age groups

SN: A group of fish at a given age.
Before 1982 search AGE COMPOSITION

RT: Age composition

Age determination

Age length relationships

USE: **Growth curves**

Age of seawater

USE: **Age**

Age of tide

USE: **Age**

Ageing

USE: **Aging**

Ageing (biological)

USE: **Biological aging**

Agents

SN: Use of a more specific term is recommended
NT: Anticoagulants
Antifouling substances
Antifreezes
Anthelmintic agents
Antioxidants
Antiparasitic agents
Antitumour agents
Antiviral agents
Catalysts
Coagulants
Dispersants
Inhibitors
Mutagens
Preservatives
Solvents
Surfactants
RT: Additives
Biocides

Ageostrophic flow

BT: Fluid flow
RT: Geostrophic flow
Geostrophy

Agglutinins

UF: Haemagglutinins
BT: Antibodies
RT: Bacteria
Blood cells

Aggradation

USE: **Accretion**

Aggregates

SN: Sand and gravel dredged and used as construction material
BT: Seabed deposits
RT: Aggregation
Gravel
Quarries
Sand
Sediments

Aggregation

RT: Aggregates

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Aggregations (ecological)
USE: **Ecological aggregations**

Aggregations (organisms)
USE: **Organism aggregations**

Aggression
USE: **Aggressive behaviour**

Aggressive behaviour
SN: Before 1982 search
AGONISTIC BEHAVIOUR
UF: Aggression
Aggressive mimicry
BT: Behaviour
RT: Agonistic behaviour
Pecking order
Territoriality

Aggressive mimicry
USE: **Aggressive behaviour**

Aging
SN: Before 1982 search also
AGEING Use of a more specific term is recommended
UF: Ageing
NT: Biological aging
RT: Age

Aging (biological)
USE: **Biological aging**

Agonistic behaviour
SN: Animal behaviour including threatening behaviour, posturing, and fleeing
BT: Behaviour
RT: Aggressive behaviour
Display behaviour

Agreements
NT: Fishery agreements
International agreements

Agricultural pollution
BT: Pollution
RT: Agricultural runoff
Agricultural wastes
Agriculture
Chemical pollution

Agricultural runoff
UF: Runoff from agricultural land
BT: Runoff
RT: Agricultural pollution
Agriculture

Agricultural wastes
UF: Farm wastes
BT: Wastes
RT: Agricultural pollution
Hazardous materials
Waste disposal

Agriculture
UF: Life sciences (agriculture)

RT: Agricultural pollution
Agricultural runoff
Agropisciculture
Irrigation
Land management

Agropisciculture
SN: Combination or alternation of agriculture and freshwater aquaculture
UF: Chicken-fish culture
Duck-fish culture
Fish-cum-chicken culture
Fish-cum-duck culture
Fish-cum-pig culture
Integrated agriculture
Pig-fish culture
Pig farms
NT: Rice field aquaculture
RT: Agriculture
Aquaculture techniques
Aquaponics
Fish culture
Freshwater aquaculture
Frog culture
Plant culture
Pond culture

Aid
NT: Fishery aid
Food aid

Air
RT: Aeration
Air bubbles
Air conditioning
Air pollution
Air temperature
Earth atmosphere
Gases
Oxygen

Air-deployed expendable bathythermographs
USE: **AXBTs**

Air-ice interface
UF: Ice-air interface
BT: Interfaces
RT: Ablation
Evaporation
Heat exchange
Ice
Ice caps

Air-sea coupling
RT: Air-sea interaction
Meteorology
Ocean-atmosphere system
Ocean-ice-atmosphere system

Air-sea exchanges
USE: **Air-water exchanges**

Air-sea interaction
BT: Interactions
RT: Air-sea coupling

Air-water exchanges
Air-water interface
Meteorology
Ocean-atmosphere system
Sea surface
Teleconnections

Air-sea transfer
USE: **Air-water exchanges**

Air-water boundary layer
USE: **Atmospheric boundary layer**

Air-water exchanges
UF: Air-sea exchanges
Air-sea transfer
Sea-air exchanges
Water-air exchanges
RT: Air-sea interaction
Air-water interface
Air-water temperature difference
Bowen ratio
Bubble bursting
Energy transfer
Evaporation
Gas exchange
Heat exchange
Moisture transfer
Momentum transfer
Ocean-atmosphere system
Surface chemistry

Air-water interface
UF: Naviface
BT: Interfaces
RT: Air-sea interaction
Air-water exchanges
Air-water temperature difference
Air bubbles
Atmospheric boundary layer
Energy transfer
Evaporation
Gas exchange
Heat exchange
Light reflection
Light refraction
Moisture transfer
Momentum transfer
Oceanic boundary layer
Reflectance
Reflected global radiation
Sea surface
Surface microlayer
Surface properties
Surface radiation temperature

Air-water temperature difference
BT: Temperature differences
RT: Air-water exchanges
Air-water interface

Air bladder
USE: **Swim bladder**

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Air breathing fish

BT: Fish

Air bubbles

BT: Bubbles

RT: Aeration

Air

Air-water interface

Capillarity

Foams

Air compressors

USE: **Compressors**

Air conditioning

RT: Air

Ventilation

Air contamination

USE: **Air pollution**

Air cushion vehicles

USE: **Hovercraft**

Air exposure

UF: Aerial exposure

Exposure to air

RT: Exposure tolerance

Intertidal environment

Air flow over land

BT: Flow over surfaces

RT: Atmospheric motion

Air flow over water

UF: Flow over water surface

BT: Flow over surfaces

RT: Atmospheric motion

Wind-wave interaction

Wind wave generation

Air guns

BT: Seismic energy sources

Air masses

NT: Polar air masses

RT: Atmospheric disturbances

Atmospheric fronts

Frontogenesis

Air motion

USE: **Atmospheric motion**

Air poisoning

USE: **Air pollution**

Air pollution

SN: Including its effects on aquatic environment

UF: Air contamination

Air poisoning

Atmospheric pollution

BT: Pollution

RT: Aerosols

Air

Air sampling

Anthropogenic factors

Atmospheric chemistry

Atmospheric particulates

Climatic changes

Dust

Fallout

Fly ash

Haze

Smoke

Air pumps

USE: **Pumps**

Air sampling

BT: Sampling

RT: Air pollution

Atmospheric chemistry

Atmospheric particulates

Air temperature

UF: Dry bulb temperature

BT: Temperature

RT: Air

Cold season

Evaporation

Isotherms

Potential temperature

Radiosondes

Southern oscillation

Storage conditions

Troposphere

Weather

Air transportation

SN: Carriage of passengers and goods by air

BT: Transportation

RT: Aircraft

Hovercraft

Airborne equipment

UF: Aircraft equipment

BT: Equipment

RT: Airborne sensing

Aircraft

AXBTs

Electronic equipment

Surveying equipment

Airborne remote sensing

USE: **Airborne sensing**

Airborne sensing

SN: Employing equipment carried by low flying aircraft and helicopters

UF: Airborne remote sensing

BT: Geosensing

RT: Aerial photography

Aerial surveys

Aeromagnetic surveys

Airborne equipment

Aircraft

Aircraft

BT: Vehicles

NT: Helicopters

RT: Air transportation

Airborne equipment

Airborne sensing

Airports

Hovercraft

Aircraft equipment

USE: **Airborne equipment**

Airports

RT: Aircraft

Airy waves

USE: **Linear waves**

Alanine

BT: Amino acids

Alarm substances

RT: Chemoreception

Olfaction

Alarm systems

UF: Warning devices

BT: Warning systems

NT: Distress signals

RT: Detectors

Safety devices

Albacore fisheries

USE: **Tuna fisheries**

Albedo

RT: Ratios

Reflectance

Reflection

Solar radiation

Surface properties

Albinism

SN: Complete or almost complete absence of pigment in aquatic organisms

RT: Chromatic pigments

Genetic abnormalities

Albumins

SN: Before 1980 search

PROTEINS

UF: Ovalbumin

Serum albumins

BT: Proteins

RT: Bird eggs

Blood

Alcohols

BT: Organic compounds

NT: Choline

Glycerol

RT: Carbohydrates

Sterols

Aldehydes

BT: Organic compounds

RT: Arabinose

Glucose

Mannose

Ribose

Xylose

Aldrin
BT: Chlorinated hydrocarbons
RT: Insecticides

Alerting systems
USE: **Warning systems**

Algae
SN: Before 2016 search also as a taxonomic descriptor
NT: Diatoms
Soil algae
Zooxanthellae
RT: Algal blooms
Algal culture
Algal mats
Algal settlements
Marine plants
Microorganisms
Seaweed culture
Seaweeds
Stromatolites

Algae (soil)
USE: **Soil algae**

Algae culture
USE: **Algal culture**

Algae resources
USE: **Botanical resources**

Algal blooms
UF: Plankton blooms
Sea blooms
Water blooms
BT: Blooms
RT: Algae
Biological poisons
Marine snow
Microorganisms
Mortality causes
Phytoplankton
Primary production
Red tides

Algal culture
SN: Applies only to culture of aquatic microscopic algae. For culture of macroscopic algae use Seaweed culture
UF: Algae culture
Algiculture
Microalgae culture
BT: Cultures
NT: Phytoplankton culture
RT: Algae
Brackishwater aquaculture
Culture tanks
Freshwater aquaculture
Marine aquaculture
Mass culture
Spores

Algal mats
BT: Biogenic sedimentary structures
RT: Algae
Microbial mats
Stromatolites

Algal settlements
BT: Biological settlement
RT: Algae
Artificial substrata
Settling behaviour
Substrate preferences

Algicides
BT: Pesticides
RT: Herbicides
Soil algae
Toxicants

Algiculture
USE: **Algal culture**

Alginates
SN: Industrial product derived from brown algae
UF: Seaweed meal
BT: Seaweed products
RT: Agar
Carrageenins
Kelps
Organic acids

Alginic acid
BT: Polysaccharides
RT: Amino acids

Algologists
UF: Phycologists
BT: Biologists
RT: Algology
Fishery biologists
Taxonomists

Algology
UF: Phycology
BT: Botany
RT: Algologists
Aquatic plants
Hydrobiology
Marine sciences
Phytobenthos
Phytoplankton
Plant physiology
Soil algae

Algorithms
RT: Computer programs
Mathematical models
Numerical analysis

Alicyclic hydrocarbons
BT: Saturated hydrocarbons

Alien species
USE: **Introduced species**

Alimentary organs
BT: Animal organs
Digestive system
NT: Intestines
Lophophores
Pyloric caeca
Stomach
RT: Digestive glands
Mouth parts
Radulae

Aliphatic hydrocarbons
USE: **Saturated hydrocarbons**

Alkali basalts
BT: Basalts
RT: Pyroxenes

Alkali metal compounds
BT: Chemical compounds
NT: Lithium compounds
Potassium compounds
Sodium compounds

Alkali metals
BT: Metals
NT: Caesium
Lithium
Potassium
Rubidium
Sodium

Alkaline earth metal compounds
BT: Chemical compounds
NT: Barium compounds
Calcium compounds
Magnesium compounds
RT: Alkaline earth metals

Alkaline earth metals
BT: Metals
NT: Barium
Beryllium
Calcium
Magnesium
Radium
Strontium
Yttrium
RT: Alkaline earth metal compounds

Alkalinity
SN: For a pH above 7
UF: Causticity
BT: Chemical properties
RT: Acidity
Buffers
pH
pH effects
Water hardness

Alkaloids
BT: Organic compounds
RT: Aquatic plants
Drugs

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Alkanes
USE: **Saturated hydrocarbons**

Alkenes
BT: Unsaturated hydrocarbons
NT: Ethene

Alkynes
BT: Unsaturated hydrocarbons
NT: Ethyne

Alleles
SN: (Genes for) paired characteristics. Before 2008 search ALLELLES
UF: Alleles
BT: Genes
RT: Gene pool

Alleles
USE: **Alleles**

Allelochemicals
SN: A chemical released by one species that influences the physiology or behaviour of a different species
UF: Allelochemicals
BT: Metabolites
RT: Allelopathy
Chemical defence
Defence mechanisms
Protective behaviour

Allelochemicals
USE: **Allelochemicals**

Allelopathy
SN: Chemical inhibition of one species by another through the release of the “inhibitory” chemical into the environment where it affects the development and growth of neighbouring plants.
BT: Chemical defence
RT: Allelochemicals

Allergens
BT: Antigens
RT: Allergic reactions
Seafood
Shellfish

Allergic reactions
UF: Allergies
BT: Biological phenomena
RT: Allergens
Food poisoning
Histamines
Immunology
Poisonous organisms
Toxicity

Allergies
USE: **Allergic reactions**

Alligator culture
USE: **Reptile culture**

Allocation systems
SN: Restricted to fisheries for division of a total catch between participants in the fishery
UF: International allocation
National allocation
RT: Exclusive economic zone
Fishery policy
Shared stocks

Allochthonous deposits
RT: Autochthonous deposits
Eolian deposits
Extraterrestrial material
Glacial deposits
Sediments
Volcanic rocks

Allometry
SN: Size-dependence of metabolic processes
RT: Metabolism

Allopatric populations
SN: Populations of a same species living in different geographic areas
RT: Geographical distribution
Sympatric populations

Allowable catch
USE: **Total allowable catch**

Alloys
UF: Metals (materials)
BT: Materials
NT: Ferrous alloys
Nonferrous alloys
RT: Chemical elements
Metallurgy
Metals

Allozymes
SN: Enzymes with allelic variants
BT: Enzymes

Alluvial deposits
UF: Alluvium
BT: Sediments
RT: Alluvial fans
Alluvial terraces
Clastics
Deltas
Flood plains
Fluvial morphology
Fluvial sedimentation
Fluvial transport
Levees

Alluvial fans
BT: Fans
Landforms
RT: Alluvial deposits

Alluvial terraces
Deep-sea fans
Deposition features
Fluvial features

Alluvial terraces
BT: Landforms
Terraces
RT: Alluvial deposits
Alluvial fans
River valleys

Alluvium
USE: **Alluvial deposits**

Almanacs
BT: Tables
NT: Nautical almanacs

Alpha spectroscopy
USE: **Spectroscopic techniques**

Alternate reproduction
SN: Alternation of generations
BT: Reproduction
RT: Sporophytes

Alternative name
USE: **Synonymy**

Altimeters
BT: Measuring devices
NT: Laser altimeters
Radar altimeters
RT: Altimetry
Height

Altimetry
UF: Laser altimetry
NT: Radar altimetry
Satellite altimetry
RT: Altimeters
Height

Altitude
USE: **Height**

Aluminium
UF: Aluminum
BT: Nonmetals
RT: Aluminium compounds
Bauxite
Ferromanganese nodules

Aluminium compounds
BT: Chemical compounds
RT: Aluminium
Silicon compounds

Aluminum
USE: **Aluminium**

Ambient noise
UF: Background noise (sound)
Underwater ambient noise
BT: Noise (sound)
NT: Biological noise

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Sediment noise
Shipping noise
Surface noise
RT: Passive sonar
Underwater noise

Americium

BT: Actinides
Transuranic elements
RT: Americium isotopes

Americium isotopes

BT: Isotopes
RT: Americium

Amination

BT: Chemical reactions
RT: Deamination

Amines

BT: Organic compounds
NT: Hexosamines
Hydroxylamines
Nitrosamines
Pyrrolidine
RT: Amino acids

Amino acid sequence

RT: Amino acids

Amino acids

BT: Organic acids
NT: Alanine
Arginine
Aspartic acid
Cysteine
Cystine
Glutamic acid
Glycine
Leucine
Lysine
Methionine
Ornithine
Phenylalanine
Proline
Serine
Threonine
Tyrosine
Valine
RT: Alginic acid
Amines
Amino acid sequence
Nitrogen compounds
Organic constituents
Peptides
Protein synthesis
Proteins

Ammocetes

USE: **Fish larvae**

Ammonia

UF: Ammonium salts
BT: Nitrogen compounds
RT: Ammonium compounds
Gases
Nitrogen cycle

Nitrogen fixation
Urea
Volatile compounds

Ammonium

USE: **Ammonium compounds**

Ammonium chloride

BT: Ammonium compounds
Chlorides

Ammonium compounds

SN: Before 1986 search also
AMMONIUM
UF: Ammonium
NT: Ammonium chloride
RT: Ammonia

Ammonium salts

USE: **Ammonia**

Amoebocytes

SN: Before 1982 search CELLS
BT: Cells
RT: Body fluids
Coelom
Phagocytosis

AMP

UF: Adenosine monophosphate
BT: Nucleotides
Phosphates

Amperometric titration

USE: **Titration**

Amphibian culture

USE: **Frog culture**

Amphibiotic species

SN: Species that are aquatic
during one part of the life cycle
and terrestrial during the rest of
the life cycle
BT: Species
RT: Aquatic organisms

Amphibious vehicles

BT: Vehicles
RT: Hovercraft

Amphiboles

BT: Silicate minerals

Amphibolite facies

BT: Metamorphic facies
RT: Amphibolites

Amphibolites

UF: Hornblende
BT: Metamorphic rocks
RT: Amphibolite facies

Amphidromes

USE: **Amphidromic systems**

Amphidromic point

USE: **Amphidromic systems**

Amphidromic systems

UF: Amphidromes
Amphidromic point
RT: Cotidal lines

Amphihaline fish

USE: **Amphihaline species**

Amphihaline potamotocous species

USE: **Anadromous species**

Amphihaline species

SN: Aquatic species which pass
periodically, at well defined
stages of their life cycle, from
salt to fresh water and vice versa
UF: Amphihaline fish
BT: Species
NT: Anadromous species
Catadromous species
RT: Osmoregulation
Osmotic adaptations
Salinity tolerance
Spawning migrations

Amphihaline thalassotocous species

USE: **Catadromous species**

Amplitude

BT: Dimensions
NT: Wave amplitude
RT: Absorption (physics)
Attenuation

Anabolism

BT: Metabolism
RT: Catabolism

Anadromous fish

USE: **Anadromous species**

Anadromous migrations

UF: Upstream migrations
BT: Spawning migrations
RT: Anadromous species
Brackishwater fish
Catadromous migrations
Fishways
Homing behaviour
Potadromous migrations

Anadromous species

SN: Having the habit to migrate
from oceanic to coastal water
or from salt water to freshwater
to breed
UF: Amphihaline potamotocous
species
Anadromous fish
BT: Amphihaline species
RT: Anadromous migrations
Catadromous species
Diadromy

Anaemia

SN: Deficiency in red blood cells, haemoglobin or both
 UF: Anemia
 BT: Haematological diseases
 RT: Erythrocytes
 Haemocyanins
 Haemoglobins
 Nutrition disorders

Anaerobic bacteria

SN: See also the taxonomic index
 BT: Bacteria
 RT: Anaerobic digestion
 Anaerobic respiration
 Anaerobiosis
 Fermentation

Anaerobic conditions

USE: **Anoxic conditions**

Anaerobic digestion

BT: Biodegradation
 RT: Anaerobic bacteria
 Anaerobiosis
 Biodegradable substances
 Waste treatment

Anaerobic respiration

BT: Respiration
 RT: Anaerobic bacteria
 Anaerobiosis

Anaerobic sediments

USE: **Anoxic sediments**

Anaerobionts

USE: **Anaerobiosis**

Anaerobiosis

UF: Anaerobionts
 RT: Anaerobic bacteria
 Anaerobic digestion
 Anaerobic respiration

Anaesthesia

SN: Apparatus and methods for anaesthesia of aquatic organisms
 UF: Anesthesia
 Electroanaesthesia
 RT: Anaesthetics

Anaesthetics

UF: Anesthetics
 BT: Drugs
 RT: Anaesthesia
 Fixation
 Inhibitors
 Narcotics

Analcime

USE: **Analcite**

Analcite

UF: Alalcime
 BT: Zeolites

Analog data records

USE: **Analog records**

Analog models

UF: Electronic models
 BT: Models
 NT: Acoustic models

Analog records

UF: Analog data records
 BT: Records
 NT: Bathythermograms
 Echosounder profiles
 Seismic profiles
 Seismograms
 Tidal curves
 Tidal records
 RT: Data converters
 Digital records

Analogues

RT: Mathematical models

Analysis

SN: Use of a more specific term is recommended
 NT: Biochemical analysis
 Chemical analysis
 Core analysis
 Cost-benefit analysis
 Cost analysis
 Dynamic analysis
 Economic analysis
 Electroanalysis
 Hydrocarbon analysis
 Mathematical analysis
 Microbiological analysis
 Response analysis
 Sediment analysis
 Volumetric analysis
 Water analysis
 Wave analysis
 RT: Analytical techniques
 Electrolysis
 Tests

Analytical errors

BT: Errors
 RT: Analytical techniques

Analytical techniques

UF: Isentropic analysis
 NT: Activation analysis
 Chromatographic techniques
 Colorimetric techniques
 Electrophoresis
 Gravimetric techniques
 Interferometry
 Ion selective electrode analysis
 Microscopy
 Polarography
 Spatial analysis
 Spectroscopic techniques
 Stripping analysis
 Titration
 Winkler method
 RT: Analysis

Analytical errors

Automated recording
 Centrifugation
 Chemical fingerprinting
 Enzyme-linked immunosorbent assay
 Methodology
 Protein fingerprinting

Anatomical structures

NT: Body organs
 Body regions
 Circulatory system
 Digestive system
 Integumentary system
 Lymphatic system
 Nervous system
 Neurosecretory system
 Respiratory system
 Skeleton
 Urinary system
 RT: Anatomy
 Animal physiology
 Cells
 Tissues

Anatomy

BT: Biology
 RT: Anatomical structures
 Histology
 Organism morphology
 Osteology
 Physiology
 Tomography

Anchor stations

USE: **Cruise stations**

Anchorage

UF: Roadsteads
 NT: Harbours
 RT: Anchoring

Anchoring

RT: Anchorages
 Anchors
 Berthing
 Drift
 Mooring systems
 Pipeline construction
 Semisubmersible platforms

Anchors

UF: Ship anchors
 RT: Anchoring
 Berthing
 Drogues

Anchovy fisheries

USE: **Clupeoid fisheries**

Ancient shorelines

USE: **Strandlines**

Andalusite

BT: Silicate minerals

Andesite

BT: Volcanic rocks

Androgenesis

BT: Reproduction

Androgens

USE: **Sex hormones**

Anelasticity

USE: **Elasticity**

Anemia

USE: **Anaemia**

Anemometers

SN: Use only for mechanically operated anemometers (cups, propellers, vanes, etc.).

UF: Cup anemometers

BT: Wind measuring equipment

RT: Flowmeters

Turbulence measurement

Anesthesia

USE: **Anaesthesia**

Anesthetics

USE: **Anaesthetics**

Angling

SN: Restricted to sport fishing only

BT: Sport fishing

RT: Bait fishing

Pole-line fishing

Angular distribution

BT: Optical properties

Angular momentum

BT: Momentum

RT: Conservation of angular momentum

Anhydrite

BT: Sulphate minerals

RT: Authigenic minerals

Chemical sediments

Evaporites

Animal appendages

SN: Projections of the body

UF: Appendages

NT: Antennae

Barbels

Byssus

Cilia

Limbs

Locomotory appendages

Telson

Tentacles

RT: Cephalothorax

Flagella

Thorax

Animal associations

USE: **Ecological associations**

Animal behaviour

USE: **Behaviour**

Animal body regions

USE: **Body regions**

Animal communication

UF: Biocommunication

Zoosemiotics

BT: Communication

RT: Behaviour

Sound production

Vocalization behaviour

Animal diseases

SN: Before 1982 search

DISEASES

UF: Aquatic animal diseases

BT: Diseases

NT: Fish diseases

Granulomas

RT: Aquatic animals

Environmental diseases

Nutrition disorders

Animal feed

USE: **Feed**

Animal fossils

BT: Fossils

NT: Fossil foraminifera

Fossil pteropods

Fossil radiolaria

Animal growth

BT: Growth

Animal head

USE: **Head**

Animal manure

USE: **Manure**

Animal metabolism

SN: Before 1982 search

METABOLISM

BT: Metabolism

RT: Animal physiology

Conversion factors

Animal migrations

USE: **Migrations**

Animal morphology

SN: Before 1982 search

MORPHOLOGY

(ORGANISMS)

UF: Morphology (animal)

BT: Organism morphology

RT: Animal physiology

Aquatic animals

Body regions

Body size

Animal navigation

UF: Bird navigation

Navigation (animal)

RT: Homing behaviour

Locomotion

Migrations

Navigation

Orientation

Animal nutrition

UF: Finfish nutrition

Fish nutrition

Shellfish nutrition

Shrimp nutrition

Tilapia nutrition

BT: Nutrition

RT: Animal physiology

Dietary fibre

Diets

Digestion

Food consumption

Food conversion

Heterotrophy

Ingestion

Probiotics

Animal oil extraction

UF: Extraction (animal oil)

Oil extraction (animal)

BT: Processing fishery products

NT: Fish oil extraction

RT: Chemical extraction

Separation

Animal organs

UF: Organs (animal)

BT: Body organs

NT: Alimentary organs

Animal reproductive organs

Bladders

Excretory organs

Photophores

Respiratory organs

Sense organs

Vocal organs

RT: Animal physiology

Body regions

Tissues

Animal orientation

USE: **Orientation behaviour**

Animal pathology

USE: **Pathology**

Animal physiology

SN: Before 1982 search

PHYSIOLOGY

UF: Physiology (animal)

BT: Physiology

NT: Avian physiology

Fish physiology

Mammalian physiology

RT: Aestivation

Anatomical structures

Animal metabolism

Animal morphology

Animal nutrition Animal organs Aquatic animals Diving physiology Zoology	Animals (aquatic) USE: Aquatic animals	Magnetic anomalies Specific volume anomalies Temperature anomalies
Animal plankton USE: Zooplankton	Anion exchange USE: Ion exchange	Anoxia SN: Deficiency or absence of oxygen in the blood and tissues BT: Oxygen depletion RT: Aerobic respiration Asphyxia Hypoxia Mortality causes Necroses Oxygen
Animal populations UF: Populations (animal) BT: Natural populations NT: Spawning populations RT: Aquatic animals Stocks Zoology	Anions UF: Negative ions BT: Ions RT: Electrolysis	Anoxic basins SN: Water basins, without vertical circulation, characterized by a total absence of dissolved oxygen and a higher sulphides production UF: Anoxic waters BT: Basins RT: Anoxic conditions Anoxic sediments Dissolved oxygen Marginal seas Oxygen depletion
Animal products UF: Aquatic animal products NT: Coral Guano Manure Pearls Shells Sponges RT: Aquatic animals Waxes	Anisotropic rocks BT: Rocks RT: Anisotropy	Anoxic conditions SN: Depletion of dissolved oxygen in any specific aquatic environment UF: Anaerobic conditions RT: Anoxic basins Dissolved oxygen Oxic conditions Oxygen consumption Oxygen depletion Pollution effects Stagnant water Winterkill
Animal protection USE: Animal welfare	Anisotropy BT: Physical properties RT: Anisotropic rocks Isotropic materials Isotropy Magnetic susceptibility Mechanical properties Optical properties Orientation	Anoxic sediments UF: Anaerobic sediments BT: Sediments RT: Anoxic basins Hydrogen sulphide Lacustrine sedimentation Lake deposits Organic matter Oxic sediments Oxygen Oxygen depletion Sapropels
Animal reproductive organs SN: For sexual reproduction only. Before 1982 search REPRODUCTIVE ORGANS (ANIMAL) UF: Reproductive organs (animal) Reproductive system Sexual glands BT: Animal organs NT: Gonads RT: Hermaphroditism Imposex Self fertilization Sex characters Sex reversal Sexual reproduction Sterility	Annotation USE: Bibliographic information	Anoxic waters USE: Anoxic basins
Animal rights USE: Animal welfare	Annual BT: Periodicity RT: Annual variations Biennial	ANS USE: Autonomic nervous system
Animal wastes USE: Organic wastes	Annual range BT: Extreme values RT: Annual variations	Antagonism RT: Behaviour Synergism
Animal welfare SN: Documents on the protection and treatment of animals UF: Abuse to animals Animal protection Animal rights Aquatic animal welfare Cruelty to animals Humane treatment of animals Treatment of animals BT: Bioethics RT: Culling	Annual reports BT: Report literature RT: Progress reports	
	Annual variations UF: Year to year variations Yearly changes BT: Periodic variations RT: Annual Annual range Horizontal distribution Regional variations Seasonal variations	
	Annuli USE: Growth rings	
	Anodes BT: Electrodes NT: Sacrificial anodes	
	Anodic stripping voltammetry USE: Stripping analysis	
	Anomalies SN: Use of a more specific term is recommended NT: Dynamic height anomaly Geoid anomalies Gravity anomalies	

Antarctic convergence

UF: Antarctic polar front (ocean)

BT: Polar convergences

Antarctic front

SN: Use only for the semi-permanent front separating continental and maritime air masses over the Southern Ocean

UF: Antarctic polar front

(atmospheric)

BT: Polar fronts

RT: Polar air masses

Polar meteorology

Antarctic polar front (atmospheric)

USE: **Antarctic front**

Antarctic polar front (ocean)

USE: **Antarctic convergence**

Antarctic waters

USE: **Polar waters**

Antarctic zone

BT: Polar zones

Antennae

SN: A pair of anterior appendages, normally of sensory function

UF: Antennulae

BT: Animal appendages

RT: Orientation behaviour

Sense functions

Antennulae

USE: **Antennae**

Anthropogenic effects

USE: **Man-induced effects**

Anthropogenic factors

SN: Influences exercised by man and his activities on an organism or biotic community

BT: Environmental factors

RT: Air pollution

Limiting factors

Pollution effects

Anti-submarine warfare

USE: **Undersea warfare**

Antibacterials

USE: **Antibiotics**

Antibiotic resistance

USE: **Control resistance**

Antibiotics

UF: Antibacterials

BT: Drugs

RT: Antihelminthic agents

Antiprotozoal agents

Bacterial diseases

Bacteriocides

Fungicides

Terpenes

Antibodies

UF: Antitoxins

BT: Serum

NT: Agglutinins

Monoclonal antibodies

RT: Antigens

Biological poisons

Defence mechanisms

Immunity

Immunology

Immunoprecipitation

Target cells

Toxicity

Vaccines

Anticholinesterases

USE: **Cholinesterase inhibitors**

Anticlines

BT: Folds

NT: Domes

RT: Salt domes

Synclines

Anticoagulants

BT: Agents

RT: Coagulants

Dispersants

Preservatives

Anticorrosion material

USE: **Corrosion control**

Anticyclones

UF: Midlatitude anticyclones

RT: Anticyclonic motion

Atmospheric pressure

Cyclones

Winds

Anticyclonic eddies

USE: **Current rings**

Anticyclonic gyres

USE: **Gyres**

Anticyclonic motion

BT: Motion

RT: Anticyclones

Cyclonic motion

Fluid motion

Rotation

Anticyclonic rings

USE: **Current rings**

Antidunes

BT: Bed forms

RT: Transverse bed forms

Antifouling coatings

USE: **Antifouling substances**

Antifouling substances

UF: Antifouling coatings

BT: Agents

Biocides

RT: Arsenic compounds

Chemical control

Coating materials

Fouling

Fouling control

Shipyards

Antifreezes

UF: Freezing point depressants

BT: Agents

RT: Deicing

Freezing

Antifungals

USE: **Fungicides**

Antigens

NT: Allergens

RT: Antibodies

Bacteria

Blood cells

Blood groups

Enzyme-linked immunosorbent

assay

Glycoproteins

Immunoprecipitation

Serological studies

Vaccines

Antihelminthes pesticides

USE: **Antihelminthic agents**

Antihelminthic agents

SN: Before 1982 search

PESTICIDES

UF: Antihelminthes pesticides

BT: Agents

Pesticides

RT: Antibiotics

Parasitic diseases

Antimony

BT: Heavy metals

RT: Antimony isotopes

Antimony isotopes

BT: Isotopes

RT: Antimony

Antioxidants

BT: Agents

RT: Bioactive compounds

Chemical compounds

Corrosion

Corrosion control

Food additives

Oxidation

Paints

Antiparasitic agents

SN: Before 1982 search

PESTICIDES

BT: Agents

Pesticides

NT: Antiprotozoal agents

RT: Parasitic diseases

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Antiprotozoal agents

SN: Before 1982 search
PESTICIDES
UF: Protozoal pesticides
BT: Antiparasitic agents
RT: Antibiotics
Protozoan diseases

Antiseptics

USE: **Disinfectants**

Antitoxins

USE: **Antibodies**

Antitumour activity

USE: **Antitumour agents**

Antitumour agents

UF: Antitumour activity
BT: Agents
RT: Drugs
Tumours

Antiviral activity

USE: **Antiviral agents**

Antiviral agents

UF: Antiviral activity
BT: Agents
RT: Drugs
Viral diseases
Viruses

Anus

BT: Body regions

Apatite

BT: Phosphate minerals

Aphotic zone

SN: Not reached by sunlight
RT: Abyssopelagic zone
Bathypelagic zone
Deep water
Euphotic zone
Light penetration
Marine environment

Aplanospores

USE: **Spores**

Appendages

USE: **Animal appendages**

Application

USE: **Utilization**

Appraisal

USE: **Evaluation**

Appropriate technology

BT: Technology

Approximation

UF: Estimation
BT: Numerical analysis

NT: Boussinesq approximation

Closure approximation

Least squares method

RT: Back calculation

Errors

Finite difference method

Prediction

Statistical analysis

Aquaculture

UF: Aquaculture industry

Aquatic agriculture

Aquiculture

NT: Brackishwater aquaculture

Freshwater aquaculture

Marine aquaculture

Organic aquaculture

Small scale aquaculture

Sustainable aquaculture

RT: Aquaculture development

Aquaculture economics

Aquaculture engineering

Aquaculture facilities

Aquaculture products

Aquaculture regulations

Aquaculture statistics

Aquaculture systems

Aquaculture techniques

Aquaculturists

Aquaponics

Aquatic sciences

Breeding

Brood care

Culture effects

Cultured organisms

Cultures

Echinoderm culture

Fish culture

Gonadosomatic index

Probiotics

Rearing

Shellfish culture

Stocking (organisms)

Aquaculture development

BT: Resource development

RT: Aquaculture

Aquaculture economics

Aquaculture enterprises

Aquaculture regulations

Aquaculture systems

Aquaculture techniques

Aquaponics

Capture-based aquaculture

Development projects

Experimental culture

Aquaculture economics

SN: Before 1982 search

FISHERY ECONOMICS

UF: Farmed fish economics

Fish culture economics

BT: Fishery economics

RT: Aquaculture

Aquaculture development

Aquaculture enterprises

Aquaculture statistics

Aquaculture effluents

UF: Effluents (aquaculture)

BT: Effluents

Aquaculture engineering

BT: Engineering

RT: Aquaculture

Fishery engineering

Aquaculture enterprises

UF: Aquaculture industries

Commercial aquaculture

BT: Industries

RT: Aquaculture development

Aquaculture economics

Aquaculture systems

Aquaculture equipment

BT: Equipment

RT: Aquaculture facilities

Aquaria

Cages

Culture tanks

Feeding equipment

Harvesting machines

Recirculating systems

Screens

Water pumps

Aquaculture facilities

NT: Hatcheries

RT: Aquaculture

Aquaculture equipment

Aquaculture techniques

Artificial lakes

Desalination plants

Fish ponds

Water reservoirs

Aquaculture feed

USE: **Feed**

Aquaculture industries

USE: **Aquaculture enterprises**

Aquaculture industry

USE: **Aquaculture**

Aquaculture law

USE: **Aquaculture regulations**

Aquaculture licensing

USE: **Aquaculture regulations**

Aquaculture planning

USE: **Planning**

Aquaculture products

SN: Organisms or products

derived from aquaculture

practices

BT: Products

RT: Aquaculture

Cultured organisms

Fishery products

Aquaculture regulations

UF: Aquaculture law
Aquaculture licensing
BT: Legislation
RT: Aquaculture
Aquaculture development

Aquaculture sites

USE: **Site selection**

Aquaculture statistics

SN: Referring to statistical data on cultivated aquatic organisms and harvested products
BT: Fishery statistics
RT: Aquaculture
Aquaculture economics
Seaweed statistics

Aquaculture systems

NT: Open systems
Recirculating systems
RT: Aquaculture
Aquaculture development
Aquaculture enterprises
Aquaculture techniques
Aquaponics
Capture-based aquaculture
Cultures

Aquaculture techniques

NT: Aquarium culture
Batch culture
Bottom culture
Cage culture
Capture-based aquaculture
Continuous culture
Extensive culture
Hybrid culture
Intensive culture
Mass culture
Monoculture
Monosex culture
Off-bottom culture
Overwintering techniques
Polyculture
Pond culture
Raceway culture
Raft culture
Silo culture
Thermal aquaculture
Tray culture
Valliculture
Warm-water aquaculture
Wastewater aquaculture

RT: Agropisciculture
Aquaculture
Aquaculture development
Aquaculture facilities
Aquaculture systems
Aquaponics
Artificial aeration
Cultures
Feminization
Gynogenesis
Habitat improvement
Induced breeding

Masculinization
Rearing
Rice field aquaculture
Selective breeding
Small scale aquaculture
Stocking (organisms)

Aquaculturists

BT: Technicians
RT: Aquaculture

Aquafeed
USE: **Feed**

Aquafers
USE: **Aquifers**

Aquaponics

SN: Bio-integrated system that combines recirculating aquaculture with hydroponic plant cultivation
RT: Agropisciculture
Aquaculture
Aquaculture development
Aquaculture systems
Aquaculture techniques
Cultured organisms
Fish culture
Hydroponics

Aquaria

UF: Aquarium systems
Aquariums
Oceanaria
RT: Aquaculture equipment
Aquariology
Aquarium culture
Continuous culture
Ornamental fish
Water filtration
Water pumps

Aquariology

RT: Aquaria
Artificial aeration

Aquarium culture

BT: Aquaculture techniques
RT: Aquaria
Fish culture
Ornamental fish

Aquarium fish
USE: **Ornamental fish**

Aquarium systems
USE: **Aquaria**

Aquariums
USE: **Aquaria**

Aquatic agriculture
USE: **Aquaculture**

Aquatic animal diseases
USE: **Animal diseases**

Aquatic animal products
USE: **Animal products**

Aquatic animal welfare
USE: **Animal welfare**

Aquatic animals

SN: Any microscopic or macroscopic animal organisms living permanently or developing a part of their life cycle in an aquatic environment
UF: Animals (aquatic)
Aquatic fauna
BT: Aquatic organisms
Fauna
NT: Aquatic birds
Aquatic invertebrates
Aquatic mammals
Aquatic reptiles
Fish
RT: Animal diseases
Animal morphology
Animal physiology
Animal populations
Animal products
Biogeography
Fishery resources
Rare species
Shellfish
Threatened species
Vulnerable species
Zoobenthos
Zoology
Zooplankton

Aquatic biologists
USE: **Biologists**

Aquatic biology
USE: **Hydrobiology**

Aquatic birds

UF: Birds (aquatic)
BT: Aquatic animals
NT: Marine birds
RT: Avian physiology
Feathers
Flight behaviour
Flying
Imprinting
Ornithology
Wings

Aquatic botanical resources
USE: **Botanical resources**

Aquatic communities

UF: Communities (ecological)
NT: Benthos
Epipsammon
Nekton
Neuston
Periphyton
Plankton
Pleuston

Psammon
Seston
RT: Aquatic environment
Aquatic organisms
Biocoenosis
Biological charts
Biota
Brackishwater ecology
Climax community
Community composition
Community structure
Ecological associations
Ecological succession
Ecosystems
Freshwater ecology
Habitat
Marine ecology
Niches
Organism aggregations
Synecology

Aquatic crustaceans

SN: Before 2016 search
SHELLFISH
UF: Crustaceans (aquatic)
BT: Aquatic invertebrates
NT: Brackishwater crustaceans
Freshwater crustaceans
Marine crustaceans
RT: Carcinology
Crustacean culture
Crustacean fisheries
Shellfish

Aquatic drugs

SN: Drugs of aquatic origin and their medical uses
BT: Drugs

Aquatic ecology

USE: **Ecology**

Aquatic environment

SN: Environment of all types of hydrosphere
BT: Environments
NT: Benthic environment
Brackishwater environment
Epontic environment
Inland water environment
Interstitial environment
Marine environment
Pelagic environment
RT: Aquatic communities
Aquatic sciences
Bayous
Biotopes
Ecosystems
Environment management
Environmental degradation
Environmental surveys
Habitat
Water
Water bodies

Aquatic fauna

USE: **Aquatic animals**

Aquatic habitat

USE: **Habitat**

Aquatic insects

SN: Restricted to aquatic insects and their larvae
UF: Insects (aquatic)
BT: Aquatic invertebrates
RT: Boring organisms
Entomology
Food organisms
Freshwater invertebrates
Insect eggs
Insect larvae
Wings

Aquatic invertebrates

BT: Aquatic animals
NT: Aquatic crustaceans
Aquatic insects
Aquatic molluscs
Brackishwater invertebrates
Freshwater invertebrates
Macroinvertebrates
Marine invertebrates
Microinvertebrates
Shellfish
RT: Worm culture

Aquatic living resources

USE: **Living resources**

Aquatic macroinvertebrates

USE: **Macroinvertebrates**

Aquatic mammals

UF: Mammals (aquatic)
Pinnipeds
BT: Aquatic animals
NT: Freshwater mammals
Marine mammals
RT: Cetology
Mammalian physiology
Mammalogists
Mammalogy
Stranding

Aquatic microinvertebrates

USE: **Microinvertebrates**

Aquatic molluscs

SN: Before 2016 search
SHELLFISH
UF: Molluscs (aquatic)
BT: Aquatic invertebrates
NT: Brackishwater molluscs
Freshwater molluscs
Marine molluscs
RT: Malacology
Mollusc culture
Mollusc fisheries
Shellfish

Aquatic natural resources

USE: **Natural resources**

Aquatic organisms

SN: Use of a more specific term is recommended
UF: Organisms (aquatic)
NT: Aquatic animals
Aquatic plants
Boring organisms
Brackishwater organisms
Burrowing organisms
Cultured organisms
Dangerous organisms
Food organisms
Fouling organisms
Freshwater organisms
Heterotrophic organisms
Luminous organisms
Marine organisms
Noxious organisms
Test organisms
Tube dwellers
RT: Amphibiotic species
Aquatic communities
Microorganisms
Organism aggregations
Species

Aquatic plant culture

USE: **Plant culture**

Aquatic plant resources

USE: **Botanical resources**

Aquatic plant utilization

USE: **Plant utilization**

Aquatic plants

SN: Any microscopic or macroscopic vegetal organism living in the aquatic environment, excluding bacteria and viruses
UF: Hydrophytes
Plants (aquatic)
BT: Aquatic organisms
Flora
NT: Freshwater plants
Halophytes
Macrophytes
Marine plants
RT: Algology
Alkaloids
Biogeography
Botanical resources
Botany
Emergent vegetation
Fishery resources
Fungi
Phytobenthos
Phytohormones
Phytoplankton
Phytosociology
Plant culture
Plant utilization
Pleuston
Rare species
Threatened species
Vulnerable species
Weeds

<p>Aquatic pollution USE: Water pollution</p> <p>Aquatic reptiles UF: Reptiles (aquatic) BT: Aquatic animals NT: Freshwater turtles Sea turtles RT: Herpetology Reptile culture</p> <p>Aquatic sciences NT: Freshwater sciences Limnology Marine sciences RT: Aquaculture Aquatic environment Earth sciences Hydrosphere</p> <p>Aquatic weed control USE: Plant control</p> <p>Aquatic weed utilization USE: Plant utilization</p> <p>Aquatic weeds USE: Weeds</p> <p>Aquiculture USE: Aquaculture</p> <p>Aquifers SN: Porous, geological formations containing or conducting ground water UF: Aquifers Groundwater reservoirs Water-bearing formations NT: Coastal aquifers RT: Geohydrology Ground water Groundwater recharge Hydrology Oases Water Water resources Water table</p> <p>Arabinose BT: Monosaccharides RT: Aldehydes</p> <p>Arachidonic acid BT: Organic acids</p> <p>Aragonite BT: Carbonate minerals RT: Calcium carbonates Pteropod ooze</p> <p>Archaeology UF: Archeology Marine archaeology Nautical archaeology RT: Fossils</p>	<p>Hydrographic surveys Palaeontology</p> <p>Archean USE: Precambrian</p> <p>Archeology USE: Archaeology</p> <p>Archipelagic waters USE: Archipelagoes</p> <p>Archipelagoes UF: Archipelagic waters RT: Islands</p> <p>Archives RT: Archivists Gene banks Historical account Libraries</p> <p>Archivists SN: Before 2016 search LIBRARIANS RT: Archives Information scientists Librarians Museum collections</p> <p>Arcs (island) USE: Island arcs</p> <p>Arctic environment USE: Arctic zone</p> <p>Arctic sea smoke USE: Fog</p> <p>Arctic waters USE: Polar waters</p> <p>Arctic zone UF: Arctic environment BT: Polar zones RT: Permafrost</p> <p>Area UF: Surface area BT: Dimensions NT: Swept area RT: Hypsometric curves Size Surfaces</p> <p>Arenites BT: Clastics RT: Graywacke Placers Sand Sandstone</p> <p>Argillaceous deposits RT: Clays Lutites Marl Marlstone</p>	<p>Sediments Slates</p> <p>Arginine BT: Amino acids</p> <p>Argon BT: Rare gases RT: Argon isotopes</p> <p>Argon isotopes BT: Isotopes RT: Argon Potassium-argon dating</p> <p>Arid environments NT: Deserts RT: Climatic zones Droughts Playas Sabkhas</p> <p>Arkshell fisheries USE: Clam fisheries</p> <p>Aroma USE: Odour</p> <p>Aromatic compounds USE: Aromatics</p> <p>Aromatic hydrocarbons SN: Before 1982 search also AROMATICS UF: Monocyclic hydrocarbons Polycyclic hydrocarbons BT: Unsaturated hydrocarbons NT: Benzene Naphthalene PCB Xylene</p> <p>Aromatics UF: Aromatic compounds NT: Phenols RT: Chemical compounds Organic compounds</p> <p>Arrays NT: Acoustic arrays Current meter arrays Seismic arrays Thermistor chains Thermocouple arrays</p> <p>Arsenates BT: Arsenic compounds</p> <p>Arsenic BT: Heavy metals RT: Arsenic compounds</p> <p>Arsenic compounds BT: Chemical compounds NT: Arsenates RT: Antifouling substances Arsenic</p>
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Artemia culture
USE: **Brine shrimp culture**

Arteries
USE: **Blood vessels**

Articulated columns
UF: Articulated structures
BT: Offshore structures
RT: Loading buoys
Single point moorings

Articulated structures
USE: **Articulated columns**

Artificial aeration
SN: Aeration systems used in aquaria, aquaculture, diving and lakes
BT: Aeration
RT: Aquaculture techniques
Aquariology
Bubble disease
Gases
Habitat improvement (chemical)

Artificial fecundation
USE: **Induced breeding**

Artificial feed
USE: **Feed**

Artificial feeding
BT: Feeding
NT: Selective feeding
RT: Balanced rations
Diets
Feed composition
Feeding experiments
Rearing

Artificial habitats
USE: **Underwater habitats**

Artificial harbours
SN: Purpose-built anchorages constructed on an open coast. Use of a more specific term is recommended
BT: Harbours
NT: Marinas
RT: Military ports
Offshore docking

Artificial intelligence
UF: Expert systems
RT: Computer programs

Artificial islands
BT: Offshore structures
NT: Ice rafts
Sand structures
RT: Ice islands
Islands

Artificial lakes
UF: Man-made lakes
BT: Lakes
RT: Aquaculture facilities
Water reservoirs

Artificial manure
USE: **Manure**

Artificial rearing
USE: **Rearing**

Artificial reefs
SN: Artificial structures introduced or built in marine or brackish coastal waters creating a sheltered space for fishing or aquaculture
UF: Reefs (artificial)
BT: Offshore structures
RT: Artificial spawning grounds
Habitat improvement (physical)
Reef fish
Reef fisheries
Reefs
Shelters

Artificial satellites
USE: **Satellites**

Artificial sea grass
BT: Sea grass

Artificial seawater
UF: Synthetic sea water
RT: Sea water
Standard sea water

Artificial seaweed
UF: Seaweed (artificial)
RT: Scour protection
Seabed protection
Seaweeds

Artificial shelters
USE: **Shelters**

Artificial spawning
USE: **Induced breeding**

Artificial spawning grounds
SN: Any man-made arrangement put into water bodies for fish to spawn
BT: Spawning grounds
RT: Artificial reefs
Shelters

Artificial substrata
BT: Substrata
NT: Cultch
RT: Algal settlements
Settling behaviour

Artificial upwelling
BT: Upwelling
RT: OTEC

Temperature differences
Thermal power

Artisanal aquaculture
USE: **Small scale aquaculture**

Artisanal fisheries
BT: Fisheries
RT: Artisanal fishing
Artisanal whaling
Canoe fisheries
Coastal fisheries
Estuarine fisheries
Lagoon fisheries
Lake fisheries
River fisheries
Small scale aquaculture

Artisanal fishing
SN: Mainly for local human food subsistence using primitive gears and vessels
UF: Small scale fishing
Traditional fishing
BT: Fishing
RT: Artisanal fisheries
Artisanal whaling
Canoe fisheries
Coastal fisheries
Estuarine fisheries
Handlining
Indigenous fishing
Lagoon fisheries
Lake fisheries
Line fishing
River fisheries
Trap fishing

Artisanal whaling
UF: Shore whaling
BT: Whaling
RT: Artisanal fisheries
Artisanal fishing

Asbestos
RT: Insulating materials

Ascorbic acid
USE: **Vitamin C**

Ascospores
USE: **Spores**

ASCP
USE: **Single cell proteins**

Asdic
USE: **Sonar**

Aseismic margins
USE: **Passive margins**

Aseismic ridges
BT: Submarine ridges
RT: Seismic ridges

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Aseismic zones

BT: Earth structure
RT: Seismic zones

Asexual reproduction

BT: Reproduction
NT: Budding
RT: Clones
Cloning
Conidia
Gemmules
Plant reproductive structures
Sporangia
Spores
Vegetative reproduction

Ash content

RT: Ashes

Ash layers

RT: Ashes
Tephra

Ashes

NT: Fly ash
Volcanic ash
RT: Ash content
Ash layers

Asian sea bass culture

USE: **Barramundi culture**

Aspartic acid

BT: Amino acids

Asphalt

BT: Petroleum hydrocarbons
RT: Oil sands
Petroleum residues

Asphyxia

SN: State of suspended animation
as a result of deficiency of
oxygen in the blood
UF: Suffocation
RT: Anoxia
Hypercapnia
Mortality causes

Assemblages

USE: **Ecological associations**

Assembling

USE: **Construction**

Assessments

USE: **Evaluation**

Assimilation (food)

USE: **Food conversion**

Associated species

SN: Species which have a
predator/prey or competitive
relationship with the exploited
species
UF: Dependent species

Interdependent species

BT: Species

RT: Competition

Interspecific relationships

Intraspecific relationships

Predation

Association constants

BT: Constants

Associations

USE: **Organizations**

Associations (animal)

USE: **Ecological associations**

Associations (ecological)

USE: **Ecological associations**

Astaciculture

USE: **Crayfish culture**

Asthenosphere

BT: Earth structure

RT: Isostasy

Lithosphere

Low-velocity layer

Magma

Moho

Plate tectonics

Upper mantle

Astronomical tides

UF: Highest astronomical tides

Lowest astronomical tides

BT: Tides

RT: Extreme values

Tidal amplitude

Astronomy

RT: Celestial navigation

Earth orbit

Moon

Moon phases

Satellites

Solar activity

Solar eclipse

Solar radiation

Sun

Atlases

BT: Documents

NT: Oceanographic atlases

RT: Cartography

Expedition reports

Gazetteers

Maps

Atmosphere-ocean system

USE: **Ocean-atmosphere system**

Atmosphere (earth)

USE: **Earth atmosphere**

Atmosphere (life support)

USE: **Life support systems**

Atmosphere (planetary)

USE: **Planetary atmospheres**

Atmosphere evolution

SN: Evolution of planetary
atmospheres

UF: Evolution (atmosphere)

RT: Atmospheric chemistry

Earth history

Geochemistry

Planetary atmospheres

Seawater evolution

Atmospheric aerosols

USE: **Aerosols**

Atmospheric boundary layer

UF: Air-water boundary layer

Planetary boundary layer

Surface boundary layer

BT: Boundary layers

RT: Air-water interface

Atmospheric fronts

Atmospheric turbulence

Cellular convection

Moisture transfer

Momentum transfer

Troposphere

Wave interactions

Wind profiles

Wind stress

Atmospheric chemistry

UF: Atmospheric composition

BT: Atmospheric sciences

Chemistry

RT: Air pollution

Air sampling

Atmosphere evolution

Atmospheric gases

Atmospheric particulates

Climatic changes

Earth atmosphere

Atmospheric circulation

UF: General circulation

(atmospheric)

BT: Atmospheric motion

Circulation

NT: Meridional atmospheric
circulation

RT: Coriolis force

Heat transport

Ocean circulation

Southern oscillation

Winds

Atmospheric composition

USE: **Atmospheric chemistry**

Atmospheric conditions

USE: **Weather**

Atmospheric convection

BT: Convection

RT: Atmospheric motion

Atmospheric convergences

BT: Convergence zones
NT: Intertropical convergence zone
Polar fronts
RT: Atmospheric fronts

Atmospheric depressions

NT: Tropical depressions
RT: Weather

Atmospheric diffusion

BT: Diffusion
RT: Turbulent diffusion

Atmospheric disturbances

SN: Use of a more specific term is recommended
RT: Air masses
Atmospheric fronts
Atmospheric motion
High pressure ridges
High pressure systems
Low pressure systems
Meteorology
Tornadoes
Tropical depressions

Atmospheric electrical phenomena

USE: **Atmospheric electricity**

Atmospheric electricity

UF: Atmospheric electrical phenomena
Aurora
St Elmo's fire
BT: Electricity
NT: Lightning
RT: Atmospheric physics
Ionosphere

Atmospheric fallout

USE: **Fallout**

Atmospheric forcing

UF: Meteorological forcing
RT: Atmospheric pressure
Hurricanes
Mixed layer depth
Oceanic response
Response time
Surface mixed layer
Thermal structure
Wind stress

Atmospheric fronts

UF: Cold fronts
Fronts (meteorology)
Meteorological fronts
Occluded fronts
Warm fronts
BT: Fronts
NT: Coastal atmospheric fronts
RT: Air masses
Atmospheric boundary layer
Atmospheric convergences
Atmospheric disturbances

Frontal features
Meteorology
Troposphere
Weather forecasting

Atmospheric gases

BT: Gases
NT: Carbon dioxide
Hydrogen
Nitrogen
Oxygen
Ozone
RT: Atmospheric chemistry

Atmospheric motion

UF: Air motion
BT: Motion
NT: Atmospheric circulation
Winds
RT: Air flow over land
Air flow over water
Atmospheric convection
Atmospheric disturbances
Atmospheric turbulence
Earth atmosphere
Fluid dynamics
Heat transport
Horizontal motion
Lee waves
Meteorology
Planetary waves
Vertical motion
Vorticity
Waterspouts

Atmospheric optical phenomena

UF: Mirages
RT: Atmospheric physics
Haze
Light
Optics
Visibility

Atmospheric particulates

UF: Dust (atmospheric)
Particulate matter (air)
Particulates (atmospheric)
BT: Particulates
NT: Salt particles
RT: Aerosols
Air pollution
Air sampling
Atmospheric chemistry
Dust
Fallout
Fly ash
Pollen
Smoke
Spores

Atmospheric physics

UF: Aeronomy
BT: Atmospheric sciences
Physics
NT: Cloud physics
RT: Atmospheric electricity

Atmospheric optical phenomena
Earth atmosphere
Meteorology

Atmospheric polar fronts

USE: **Polar fronts**

Atmospheric pollution

USE: **Air pollution**

Atmospheric precipitations

SN: Before 1982 use
PRECIPITATIONS
(ATMOSPHERIC)
UF: Precipitation (atmospheric)
Precipitation (meteorology)
BT: Hydrometeors
NT: Hail
Rain
Snow
RT: Clouds
Meteorology
Water resources
Weather

Atmospheric pressure

UF: Barometric pressure
Pressure (atmospheric)
BT: Pressure
NT: Sea level pressure
RT: Anticyclones
Atmospheric forcing
Barometers
Earth atmosphere
High pressure systems
Hypsometry
Low pressure systems
Meteorology
Pressure field
Radiosondes
Sigma-T
Weather
Weather forecasting
Winds

Atmospheric radiation

USE: **Downward long wave radiation**

Atmospheric sciences

BT: Earth sciences
NT: Atmospheric chemistry
Atmospheric physics
Climatology
Meteorology

Atmospheric tides

SN: Tidal motion in the atmosphere
UF: Tides (atmospheric)
BT: Tidal motion
RT: Earth tides
Meteorological tides
Tides

ASFA THESAURUS

Atmospheric turbidity

USE: **Haze**

Atmospheric turbulence

UF: Clear air turbulence

BT: Turbulence

NT: Gusts

Squalls

RT: Atmospheric boundary layer

Atmospheric motion

Laminar flow

Turbulence measurement

Winds

Atoll lagoons

BT: Lagoons

RT: Atolls

Atolls

UF: Coral islands

BT: Islands

RT: Atoll lagoons

Coral

Coral reefs

Atomic absorption spectroscopy

USE: **Absorption spectroscopy**

Atomic energy

USE: **Nuclear energy**

Atomic fluorescence spectroscopy

USE: **Fluorescence spectroscopy**

Atomic physics

USE: **Nuclear physics**

Atomic power plants

USE: **Nuclear power plants**

ATP

UF: Adenosine triphosphate

BT: Nucleotides

Phosphates

Attachment (biological)

USE: **Biological attachment**

Attachment (lampreys)

USE: **Lamprey attachment**

Attachment (parasites)

USE: **Parasite attachment**

Attachment organs

BT: Body organs

RT: Biological attachment

Attenuance

BT: Optical properties

RT: Extinction coefficient

Light attenuation

Transmittance

Attenuation

SN: Use of a more specific term is recommended

NT: Light attenuation

Seismic attenuation

Wave attenuation

RT: Absorption (physics)

Amplitude

Damping

Signal-to-noise ratio

Transmission

Wave motion

Attenuation (light)

USE: **Light attenuation**

Attenuation (water waves)

USE: **Wave attenuation**

Attenuation coefficient

USE: **Extinction coefficient**

Attracting techniques

SN: Use of artificial or natural objects or artificial stimuli (light electricity, etc.) to attract and concentrate fish and other aquatic animals for fishing

UF: Fish attracting

Luring

RT: Bait fishing

Catching methods

Fish aggregating devices

Audio recordings

UF: Gramophone records

Sound recordings

Tape recordings (sound)

BT: Audiovisual materials

RT: Magnetic tape recordings

Records

Sound recorders

Audiovisual materials

UF: Visual aids

NT: Audio recordings

Films

Filmstrips

Graphics

Photographs

Satellite mosaics

Slides (photographic)

Videotape recordings

RT: Documents

Magnetic tapes

Scale models

Training aids

Audition

BT: Sense functions

RT: Auditory organs

Auditory stimuli

Sound production

Auditory organs

UF: Ears

Phonoreceptors

BT: Sense organs

RT: Audition

Auditory stimuli

Echolocation

Mechanical stimuli

Sound production

Vocalization behaviour

Auditory stimuli

BT: Stimuli

RT: Audition

Auditory organs

Sound production

Vocalization behaviour

Augite

BT: Pyroxenes

Aurora

USE: **Atmospheric electricity**

Austausch coefficients

USE: **Exchange coefficients**

Autecology

SN: Ecological study of a single individual or many individuals of a given species

BT: Ecology

RT: Biological rhythms

Life history

Migrations

Authigenes

USE: **Authigenic minerals**

Authigenesis

BT: Diagenesis

RT: Authigenic minerals

Authigenic minerals

UF: Authigenes

Authigenic sediments

BT: Sediments

NT: Evaporites

Ironstone

RT: Anhydrite

Authigenesis

Chemical sediments

Gypsum

Halite

Phosphate deposits

Phosphorite

Submarine cements

Authigenic sediments

USE: **Authigenic minerals**

Autobiographies

USE: **Biographies**

Autochthonous deposits

RT: Allochthonous deposits

Biogenic deposits

Sediments

Autocorrelation

UF: Autocorrelation functions

BT: Correlation analysis

RT: Cross correlation

Autocorrelation functions

USE: **Autocorrelation**

Autolysis

SN: Self digestion by the action of enzymes

BT: Chemical reactions

RT: Degradation

Enzymes

Automated cartography

UF: Computer aided cartography

BT: Cartography

RT: Automated recording

Automation

Automated data processing

USE: **Data processing**

Automated recording

SN: Automated techniques for determination of physico-chemical properties of water

UF: Automated techniques

RT: Analytical techniques

Automated cartography

Automation

Automated techniques

USE: **Automated recording**

Automation

RT: Automated cartography

Automated recording

Computers

Data processing

Mechanization

Remote control

Robots

Autonomic nervous system

SN: Before 1982 search

NERVOUS SYSTEM

UF: ANS

Parasympathetic nervous system

Sympathetic nervous system

BT: Nervous system

Autopilots

RT: Navigation systems

Navigational aids

Autoradiographic techniques

USE: **Autoradiography**

Autoradiography

UF: Autoradiographic techniques

BT: Radiography

RT: Radioactive tracers

Autotomy

SN: Voluntary separation of a part of the body

RT: Protective behaviour

Regeneration

Autotrophy

BT: Nutritional types

RT: Plant nutrition

Autumn

UF: Fall

Fall season

BT: Seasons

Auxins

BT: Growth regulators

RT: Phytohormones

Plant physiology

Availability

SN: Use of a more specific term is recommended

NT: Commercial availability

Food availability

Resource availability

RT: Abundance

Available potential energy

USE: **Potential energy**

Avalanches

UF: Snow avalanches

Snowslides

BT: Slides

RT: Damage

Disasters

Hazard assessment

Hazards

Landslides

Avian physiology

SN: Before 1982 search

PHYSIOLOGY

UF: Bird physiology

BT: Animal physiology

RT: Aquatic birds

Avitaminosis

USE: **Vitamin deficiencies**

Avoidance

USE: **Avoidance reactions**

Avoidance reactions

SN: Before 1982 search

AVOIDANCE

UF: Avoidance

Net avoidance

BT: Behaviour

RT: Catchability

Escapement

Migrations

AXBTs

UF: Air-deployed expendable bathythermographs

BT: XBTs

RT: Airborne equipment

Axenic culture

SN: Growth of organisms of a single species in the absence of cells or living organisms of any other species

RT: Monoculture

Axons

USE: **Neurons**

Azimuth

RT: Direction

Azines

BT: Organic compounds

NT: Pyridines

Pyrimidines

Quinolines

Back-arc basins

USE: **Marginal basins**

Back calculation

RT: Approximation

Background noise (sound)

USE: **Ambient noise**

Backrush

USE: **Backwash**

Backscatter

UF: Sound backscatter

BT: Sound scattering

RT: Forward scattering

Reverberation

Scatterometers

Backshore

USE: **Beach features**

Backwash

UF: Backrush

RT: Wave effects

Wave runup

Waves on beaches

Backwaters

SN: Water held back from the main flow of a river

RT: Dams

Lagoons

Stream flow

Water reservoirs

Bacteria

SN: Use of a more specific term is recommended. Before 2016 search also as a taxonomic descriptor

BT: Microorganisms

NT: Aerobic bacteria

Anaerobic bacteria

Coliforms

Pathogenic bacteria

RT: Agglutinins

Antigens

Ballast water
USE: **Ballast**

Balloons

UF: Meteorological balloons
BT: Wind measuring equipment
RT: Meteorological instruments
Radiosondes

Banks (financial)
USE: **Financial institutions**

Banks (topography)

BT: Topographic features
NT: Embankments
Mud banks
River banks
Sand banks
Submarine banks

Barbels

BT: Animal appendages
RT: Tactile organs

Barges

SN: Do not use for drilling structures
BT: Surface craft
NT: Crane barges
Pipelaying barges
RT: Floating structures
Pontoon
Towing
Work platforms

Barite

BT: Sulphate minerals
RT: Barium
Placers

Barium

BT: Alkaline earth metals
RT: Barite
Barium compounds
Barium isotopes
Magnesium

Barium compounds

BT: Alkaline earth metal compounds
RT: Barium

Barium isotopes

BT: Isotopes
RT: Barium

Baroclinic field

BT: Fields
RT: Baroclinic mode
Baroclinic motion

Baroclinic flow
USE: **Baroclinic motion**

Baroclinic instability

BT: Instability
RT: Baroclinic mode

Baroclinic motion
Barotropic instability
Energy transfer
Mesoscale eddies
Potential vorticity
Rossby parameter

Baroclinic mode

UF: Baroclinicity
Baroclinity
BT: Modes
RT: Baroclinic field
Baroclinic instability
Baroclinic motion
Barotropic mode
Internal tides
Isobaric surfaces
Isopycnic surfaces
Stratification
Stratified flow

Baroclinic motion

UF: Baroclinic flow
Baroclinic waves
BT: Fluid motion
RT: Baroclinic field
Baroclinic instability
Baroclinic mode
Barotropic motion
Internal tides
Stratified flow

Baroclinic tides
USE: **Internal tides**

Baroclinic waves
USE: **Baroclinic motion**

Baroclinicity
USE: **Baroclinic mode**

Baroclinity
USE: **Baroclinic mode**

Barographs
USE: **Barometers**

Barometers

UF: Barographs
BT: Measuring devices
RT: Atmospheric pressure
Manometers

Barometric currents
USE: **Wind-driven currents**

Barometric pressure
USE: **Atmospheric pressure**

Barotropic field

BT: Fields
RT: Barotropic mode
Barotropic motion

Barotropic flow
USE: **Barotropic motion**

Barotropic instability

BT: Instability
RT: Baroclinic instability
Barotropic mode
Energy transfer
Potential vorticity
Unsteady flow

Barotropic mode

UF: Barotropy
BT: Modes
RT: Baroclinic mode
Barotropic field
Barotropic instability
Barotropic motion
Conservation of vorticity
Isobaric surfaces
Isopycnic surfaces
Stratification

Barotropic motion

UF: Barotropic flow
Barotropic waves
BT: Fluid motion
RT: Baroclinic motion
Barotropic field
Barotropic mode
Barotropic tides

Barotropic tides

BT: Tides
RT: Barotropic motion

Barotropic waves
USE: **Barotropic motion**

Barotropy
USE: **Barotropic mode**

Barrages

SN: Fixed structures built for the purpose of containing water for irrigation, power generation, recreation, flood control, etc.
BT: Hydraulic structures
NT: Dams
Enclosures
Tidal barrages
Weirs
RT: Barriers
Coastal structures
Containment

Barramundi culture

SN: Before 2016 search FISH CULTURE + species name
UF: Asian sea bass culture
BT: Fish culture

Barrier beaches

BT: Beaches
RT: Barrier islands
Barrier spits
Nearshore bars

Barrier islands

BT: Coastal landforms
Islands
RT: Barrier beaches
Barrier reefs
Barrier spits
Beach accretion
Coastal lagoons
Deposition features
Tidal inlets

Barrier nets

USE: **Fishing barriers**

Barrier reefs

BT: Coral reefs
RT: Barrier islands
Fringing reefs
Lagoons

Barrier spits

UF: Bay barriers
Nehrung
BT: Spits
RT: Barrier beaches
Barrier islands
Bays
Coastal lagoons

Barriers

SN: Use of a more specific term is recommended
NT: Bubble barriers
Fishing barriers
Floating barriers
Ice barriers
Storm surge barriers
RT: Barrages
Biotic barriers
Breakwaters
Containment

Barriers (biological)

USE: **Biotic barriers**

Barriers (fishing)

USE: **Fishing barriers**

Bars

USE: **Nearshore bars**

Basalt-seawater interaction

BT: Hydrothermal activity
RT: Hydrothermal alteration
Palagonite

Basaltic glass

USE: **Volcanic glass**

Basaltic lava

USE: **Basalts**

Basaltic layer

USE: **Sima**

Basalts

UF: Basaltic lava

BT: Volcanic rocks

NT: Alkali basalts

Oceanite

Tholeiite

Tholeiitic basalt

RT: Lava

Baseline studies

SN: Studies conducted in advance of an anticipated environmental change or for long-term comparison of environmental or ecological conditions
UF: Baseline surveys
Ecological baseline studies
RT: Long-term changes
Monitoring
Surveys

Baseline surveys

USE: **Baseline studies**

Basement (geology)

USE: **Basement rock**

Basement rock

UF: Basement (geology)
BT: Earth structure
RT: Earth crust
Moho
Rocks

Basic diets

BT: Diets

Basidiospores

USE: **Spores**

Basins

SN: Use of a more specific term is recommended
NT: Anoxic basins
Lake basins
Ocean basins
River basins
Sedimentary basins
Structural basins
RT: Topographic features

Basket culture

USE: **Cage culture**

Batch culture

SN: Culture of organisms in homogeneous developmental stages
BT: Aquaculture techniques
RT: Continuous culture
Culture tanks
Hatcheries
Seed production

Batch processing

USE: **Data processing**

Batfish

USE: **Undulators**

Bathing

SN: Before 1982 search

RECREATIONAL
SWIMMING

UF: Recreational swimming
Swimming (recreation)

BT: Recreation

RT: Drowning

Surfing

Batholiths

BT: Igneous intrusions

RT: Igneous dikes

Igneous rocks

Plutons

Bathyal-benthic zone

SN: Benthic regions between 500 and 1000 m depth

BT: Benthic environment

RT: Bathyal zone

Bathypelagic zone

Mesopelagic zone

Bathyal zone

SN: Zone between 500 and 1000 m depth

RT: Bathyal-benthic zone

Bathypelagic zone

Pelagic environment

Bathymetry

USE: **Epeirogeny**

Bathymeters

BT: Measuring devices

NT: Laser bathymeters

RT: Bathymetry

Bathythermographs

Depth recorders

Oceanographic equipment

Water depth

Bathymetric charts

BT: Hydrographic charts

RT: Bathymetric data

Bathymetric profiles

Bathymetric surveys

Bathymetry

Geological maps

Isobaths

Topographic maps

Vertical distribution

Water depth

Bathymetric data

BT: Oceanographic data

NT: Soundings

RT: Bathymetric charts

Bathymetric profiles

Bathymetry

Geological data

Limnological data

Water depth

Bathymetric distribution
USE: **Vertical distribution**

Bathymetric observations
USE: **Soundings**

Bathymetric profiles
BT: Hydrographic sections
RT: Bathymetric charts
Bathymetric data
Bathymetry
Echosounder profiles
Horizontal profiles
Water depth

Bathymetric surveys
BT: Hydrographic surveys
RT: Bathymetric charts
Bathymetry
Cartography
Water depth

Bathymetry
SN: To be used only for the operation of measuring water depth, i.e. surface to seabed
UF: Depth sounding (water)
Laser bathymetry
Sounding (water depth)
Water depth measurement
BT: Depth measurement
RT: Bathymeters
Bathymetric charts
Bathymetric data
Bathymetric profiles
Bathymetric surveys
Bottom topography
Deep water
Echosounding
Hydrographic surveys
Hydrography
Isobaths
Morphometry
Seafloor mapping
Sounding lines
Soundings
Water depth

Bathypelagic zone
SN: Waters between about 500 and 4000 m depth
BT: Oceanic province
RT: Aphotic zone
Bathyal-benthic zone
Bathyal zone
Pelagic environment

Bathyspheres
BT: Observation chambers
RT: Underwater exploration

Bathythermograms
BT: Analog records
RT: Bathythermographic data
Bathythermographs

Bathythermographic data
BT: Oceanographic data
RT: Bathythermograms
Bathythermographs
Temperature sections
Water depth

Bathythermographs
SN: Devices used to record water temperature as a function of depth
UF: Mechanical bathythermographs
BT: Profilers
NT: XBTs
RT: Bathymeters
Bathythermograms
Bathythermographic data
Depth recorders
Limnological equipment
Thermometers
Water depth
Water temperature

Batteries
UF: Electric batteries
BT: Electric power sources
RT: Electrical equipment
Electromagnetic power

Bauxite
BT: Oxide minerals
RT: Aluminium
Clay minerals

Bay barriers
USE: **Barrier spits**

Bay dynamics
BT: Shelf dynamics
RT: Bays
Estuarine dynamics
Nearshore dynamics
Wave dynamics

Bayesian analysis
UF: Bayesian probability
Bayesian statistical decision theory
Bayesian statistics
BT: Statistical analysis
RT: Probability theory

Bayesian probability
USE: **Bayesian analysis**
Bayesian statistical decision theory
USE: **Bayesian analysis**

Bayesian statistics
USE: **Bayesian analysis**

Bayous
SN: Used in the US for a body of water typically found in a flat, low-lying area, and can refer either to an extremely

slow-moving stream or river (often with a poorly defined shoreline), or to a marshy lake or wetland. They can be freshwater, saltwater or brackish
BT: Water bodies
RT: Aquatic environment
Marshes
Rivers
Wetlands

Bays
BT: Coastal inlets
RT: Barrier spits
Bay dynamics
Estuaries
Inlets (waterways)

BCRs
USE: **Bioreactors**

Beach accretion
BT: Accretion
NT: Beach nourishment
RT: Barrier islands
Beach erosion
Beach features
Beach morphology
Beach ridges
Beaches
Berms
Deposition features
Progradation

Beach berms
USE: **Berms**

Beach cusps
BT: Beach features
RT: Edge waves
Longshore currents
Rip currents
Shoaling
Shoaling waves
Swell

Beach erosion
BT: Coastal erosion
RT: Beach accretion
Beach features
Beach morphology
Beaches
Coast defences
Dune stabilization
Groynes
Shore protection
Tidal effects
Wave effects

Beach face
USE: **Foreshore**

Beach features
UF: Backshore
BT: Topographic features
NT: Beach cusps

Beach ridges
 Berms
 Dunes
 Foreshore
 Nearshore bars
 Rip channels
 Runnels
 Spits
 Surf zone
 Tombolos
 Wave-cut platforms

RT: Beach accretion
 Beach erosion
 Beach morphology
 Beach slope
 Beaches
 Bed forms
 Headlands
 Sand ripples

Beach gradient
 USE: **Beach slope**

Beach morphology
 UF: Beach processes
 BT: Coastal morphology
 RT: Beach accretion
 Beach erosion
 Beach features
 Beach nourishment
 Beach profiles
 Beaches
 Terraces

Beach nourishment
 BT: Beach accretion
 RT: Beach morphology
 Longshore sediment transport

Beach platforms
 USE: **Wave-cut platforms**

Beach processes
 USE: **Beach morphology**

Beach profiles
 BT: Horizontal profiles
 RT: Beach morphology
 Beach slope
 Beaches
 Break-point bars
 Topographic surveying
 Wave effects

Beach ridges
 BT: Beach features
 NT: Cheniers
 RT: Beach accretion
 Deposition features
 Shingle

Beach rock
 USE: **Beachrock**

Beach seines
 BT: Seine nets
 RT: Boat seines

Beach slope
 UF: Beach gradient
 BT: Slopes (topography)
 RT: Beach features
 Beach profiles
 Beaches

Beach temperature
 USE: **Sediment temperature**

Beaches
 UF: Ocean beaches
 Sandy beaches
 Shingle beaches
 BT: Coastal landforms
 NT: Barrier beaches
 Raised beaches
 RT: Beach accretion
 Beach erosion
 Beach features
 Beach morphology
 Beach profiles
 Beach slope
 Coastal zone
 Coasts
 Dunes
 Intertidal environment
 Littoral zone
 Recreational waters
 Runnels
 Sand
 Surf
 Wave processes on beaches

Beachrock
 UF: Beach rock
 BT: Carbonate rocks

Beacons (distress)
 USE: **Distress signals**

Beacons (transponders)
 USE: **Acoustic transponders**

Beaks
 BT: Mouth parts

Beam transmittance
 BT: Transmittance
 RT: Beam transmittance meters

Beam transmittance meters
 UF: Transparency meters
 BT: Light measuring instruments
 RT: Beam transmittance

Beam trawlers
 USE: **Trawlers**

Beam trawls (bottom)
 USE: **Bottom trawls**

Beam trawls (midwater)
 USE: **Midwater trawls**

Bearing capacity
 BT: Strength
 RT: Compaction
 Loads (forces)
 Pile driving
 Shear strength

Beaufort scale
 UF: Beaufort wind scale
 RT: Breezes
 Gale force winds
 Sea state scales

Beaufort wind scale
 USE: **Beaufort scale**

Beche-de-mer culture
 USE: **Sea cucumber culture**

Beche-de-mer fisheries
 USE: **Sea cucumber fisheries**

Bed forms
 SN: Before 1986 search also
 BEDFORMS
 UF: Bedforms
 BT: Sedimentary structures
 NT: Antidunes
 Gravel waves
 Mud banks
 Ploughmarks
 Pock marks
 Sand banks
 Sand bars
 Sand patches
 Sand ribbons
 Sand ripples
 Sand waves
 Scour hollows
 Seachannels
 Sediment drifts
 Transverse bed forms
 RT: Beach features
 Contour currents
 Current scouring
 Dunes
 Fluvial features
 Iceberg scouring
 Nearshore bars
 Oscillatory flow
 Sediment-water interface
 Submarine features
 Topographic features
 Wave-seabed interaction
 Wave scouring

Bed friction
 USE: **Bottom friction**

Bed load
 UF: Bedload
 Bottom load
 Traction load
 BT: Sediment load
 RT: River beds
 Saltation
 Sediment transport

Shelf geology
Shelf sedimentation
Suspended load
Traction

Bed roughness

UF: Bottom roughness
BT: Roughness
RT: Bottom friction
Drag coefficient
Form drag
River beds

Bed shear stress

USE: **Bottom stress**

Bed stress

USE: **Bottom stress**

Bedding structures

SN: Use of a more specific term is recommended
BT: Sedimentary structures
NT: Current marks
Ripple marks
Varves

Bedforms

USE: **Bed forms**

Bedload

USE: **Bed load**

BEDs

USE: **By-catch excluder devices**

Behavior

USE: **Behaviour**

Behaviour

SN: Use of a more specific term is recommended
UF: Animal behaviour
Behavior
NT: Aggressive behaviour
Agonistic behaviour
Avoidance reactions
Chromatic behaviour
Cleaning behaviour
Competitive behaviour
Display behaviour
Exploratory behaviour
Feeding behaviour
Flight behaviour
Homing behaviour
Hydrostatic behaviour
Learning behaviour
Migrations
Orientation behaviour
Parental behaviour
Protective behaviour
Reproductive behaviour
Segregation
Settling behaviour
Sexual behaviour
Social behaviour
Surfacing behaviour

Territoriality
Vocalization behaviour

RT: Activity patterns

Adaptations
Animal communication
Antagonism
Behavioural responses
Biological rhythms
Echolocation
Ethology
Instinct
Interspecific relationships
Intraspecific relationships
Niches
Phenology
Synergism
Tropism

Behavioural responses

SN: As observed in experimental conditions
RT: Behaviour
Stimuli

Bench marks

SN: A reference point from which measurements may be indicated or made (e.g. topographic elevations, tidal observations) or a standard, problem or test that serves as a basis for evaluation, judgement or comparison
UF: Benchmarks (management)
Benchmarks (surveying)
RT: Best practices
Datum levels
Levelling
Management
Quality control
Sea level measurement
Standards
Surveys

Benchmarks (management)

USE: **Bench marks**

Benchmarks (surveying)

USE: **Bench marks**

Bending

USE: **Deformation**

Bends

USE: **Decompression sickness**

Benioff seismic zone

USE: **Benioff zone**

Benioff zone

UF: Benioff seismic zone
BT: Earth structure
RT: Lithosphere
Oceanic trenches
Plate tectonics
Seismic zones
Subduction zones

Benjamin Feir instability

BT: Instability
RT: Wave trains

Benthic algae

USE: **Phytobenthos**

Benthic boundary layer

UF: Benthic layer
Bottom boundary layer
BT: Boundary layers
RT: Benthic currents
Bottom Ekman layer
Bottom mixed layer
Deep layer
Water column
Wave-seabed interaction

Benthic communities

USE: **Benthos**

Benthic currents

SN: Water currents at +4000 m depth
BT: Bottom currents
RT: Abyssal currents
Benthic boundary layer
Bottom Ekman layer

Benthic environment

UF: Benthic regions
BT: Aquatic environment
NT: Abyssobenthic zone
Bathyal-benthic zone
Hyporheic zone
Littoral zone
RT: Benthos
Hard bottom habitats
Interstitial environment
Intertidal environment
Lentic environment
Lotic environment
Marine environment
Sediment-water interface
Soft bottom habitats
Substrata
Vulnerable marine ecosystems

Benthic fauna

USE: **Zoobenthos**

Benthic fish

USE: **Demersal fish**

Benthic flora

USE: **Phytobenthos**

Benthic fronts

BT: Oceanic fronts
RT: Coastal fronts
Tidal fronts

Benthic infauna

USE: **Burrowing organisms**

Benthic layer
USE: **Benthic boundary layer**

Benthic regions
USE: **Benthic environment**

Benthon
USE: **Benthos**

Benthos
UF: Benthic communities
Benthon
Epibenthos
Macrobenthos
Microbenthos
BT: Aquatic communities
NT: Meiobenthos
Phytobenthos
Zoobenthos
RT: Benthic environment
Benthos collecting devices
Burrowing organisms
Demersal fish
Ecological zonation
Hard bottom habitats
Interstitial environment
Sessile species
Soft bottom habitats
Substrata
Tube dwellers
Vulnerable marine ecosystems

Benthos collecting devices
BT: Collecting devices
RT: Benthos
Seafloor sampling

Bentonite
BT: Clastics
RT: Lutites
Montmorillonite
Volcanic ash

Benzene
BT: Aromatic hydrocarbons

Berms
UF: Beach berms
BT: Beach features
RT: Beach accretion
Deposition features
Sand

Berthing
SN: Use for both docking vessel and action of securing vessel to mooring buoy
UF: Docking
Mooring ships
NT: Offshore docking
RT: Anchoring
Anchors
Mooring buoys
Offshore terminals
Port operations
Positioning systems
Ship mooring systems

Beryllium
BT: Alkaline earth metals
RT: Beryllium isotopes

Beryllium isotopes
BT: Isotopes
RT: Beryllium

Best management practices
USE: **Best practices**

Best practices
SN: Technique or methodology that through experience and research has proven to be reliable and to lead to a desired result or successful result, including ways to manage land or activities to reduce or prevent pollution of water resources
UF: Best management practices
BMP
RT: Bench marks
Framework
Land use
Management
Methodology
Quality
Standards
Water management

Beta-plane
RT: Coriolis parameters
Equatorial dynamics
Rossby parameter
Vorticity

Beta spirals
RT: Coriolis parameters

Bibliographic information
UF: Annotation
Bibliographic studies
RT: Bibliographies
Documentation

Bibliographic studies
USE: **Bibliographic information**

Bibliographies
UF: Reading lists
BT: Documents
NT: Personal bibliographies
RT: Bibliographic information
Literature reviews

Bicarbonates
BT: Carbonates

Biennial
BT: Periodicity
RT: Annual

Bilateral agreements
UF: Bilateral aid
BT: International agreements

RT: Joint ventures

Bilateral aid
USE: **Bilateral agreements**

Bile
SN: Before 1982 search BODY FLUIDS
UF: Bile pigments
Bile salts
BT: Body fluids
RT: Fats
Gall bladder
Liver

Bile pigments
USE: **Bile**

Bile salts
USE: **Bile**

Bilge water
SN: Water that accumulates in the bilge (lowest) part of a boat. (may contain fresh water, sea water, oil, sludge, chemicals etc.). Its un-treated discharge into the environment is a source of pollution
UF: Bilgewater
BT: Vessel wastes
RT: Ballast

Bilgewater
USE: **Bilge water**

Billfisheries
USE: **Tuna fisheries**

Billows
UF: Kelvin-Helmholtz billows
BT: Fluid motion
RT: Internal waves
Kelvin-Helmholtz instability

Binders (adhesives)
USE: **Adhesives**

Bioaccumulation
SN: Biological uptake and accumulation or concentration in the tissues
BT: Accumulation
Biological phenomena
RT: Biological uptake
Excretion
Lethal effects
Nanoparticles
Pollution effects
Pollution tolerance
Sublethal effects
Toxicity tolerance

Bioacoustics
BT: Acoustics
RT: Biological noise
Biology

Biophysics
Biotelemetry
Sound production
Vocalization behaviour

Bioactive compounds

SN: A natural or synthetic compound, with or without nutritional value, causing an effect in an organism. Use of a more specific term is recommended
UF: Biologically active compounds
BT: Organic compounds
NT: Indoles
Lectins
RT: Antioxidants
Complex lipids
Diets
Fatty acids
Feed composition
Food additives
Glycosides
Metabolites
Pharmacology
Vitamins

Bioaeration

SN: Sewage purification by oxidation
BT: Aeration
Sewage treatment

Bioassays

UF: Biological assays
BT: Tests
RT: Bacteriology
Biotesting
Immunoassays
Test organisms
Toxicity tests

Biocalcarenite

BT: Carbonate rocks
RT: Calcarenite

Biocenoses

USE: **Biocoenosis**

Biocenosis

USE: **Biocoenosis**

Biochemical analysis

BT: Analysis
RT: Biochemical composition
Biochemistry
Electrophoresis
Organic constituents

Biochemical composition

BT: Composition
RT: Biochemical analysis
Biochemistry
Organic constituents
Water content

Biochemical cycles

BT: Chemical cycles
RT: Biogeochemical cycle
Chemical degradation

Biochemical markers

USE: **Biomarkers**

Biochemical oxygen demand

SN: Before 1982 search also BIOLOGICAL OXYGEN DEMAND
UF: Biological oxygen demand BOD
BT: Oxygen demand
RT: Aerobic respiration
Biochemical phenomena
Chemical oxygen demand
Coagulation
Metabolism
Oxygenation
Self purification
Water quality

Biochemical phenomena

NT: Calcification
Decalcification
Protein denaturation
Protein synthesis
Replication
RT: Biochemical oxygen demand
Biochemistry
Biodegradation
Biological phenomena
Chemical reactions
Metabolism
Nitrogen fixation

Biochemical reactors

USE: **Bioreactors**

Biochemical substrates

SN: The material or substance on which an enzyme acts. Before 2016 search SUBSTRATES (BIOCHEMISTRY)
UF: Enzyme substrate
Substrates (biochemistry)
BT: Molecules
RT: Enzymatic activity
Enzymes

Biochemistry

UF: Physiochemistry
BT: Chemistry
NT: Cytochemistry
Histochemistry
RT: Biochemical analysis
Biochemical composition
Biochemical phenomena
Biogeochemical cycle
Biogeochemistry
Enzyme-linked immunosorbent assay
Genetic techniques
Pharmacology

Physiology
Protein sequencing
RNA sequencing
Sequencing

Biocides

SN: A chemical or microorganism that destroys, renders harmless or exerts a controlling effect on living organisms, e.g. pesticides (fungicides, herbicides, insecticides, algicides, molluscicides, miticides and rodenticides), germicides, antibiotics, antibacterials, antivirals, antifungals, antiprotozoals and antiparasites. Before 2016 search also PESTICIDES
NT: Antifouling substances
Disinfectants
Pesticides
Preservatives
RT: Agents

Bioclimatology

SN: The study of the effects of climate on living organisms
UF: Biological climatology
Biometeorology
BT: Climatology
RT: Hydroclimate
Temperature effects

Biocoenoses

USE: **Biocoenosis**

Biocoenosis

SN: A group of plants and animals forming a natural community
UF: Biocenoses
Biocenosis
Biocoenoses
RT: Aquatic communities
Biota
Biotopes
Community composition
Ecological associations
Habitat
Microbial mats

Biocommunication

USE: **Animal communication**

Biocontrol

USE: **Biological control**

Biodegradable substances

SN: Substances that can be broken down by microorganisms
RT: Anaerobic digestion
Biodegradation

Biodegradation

UF: Microbial degradation
BT: Degradation
NT: Anaerobic digestion

RT: Biochemical phenomena
 Biodegradable substances
 Biogeochemical cycle
 Biological treatment
 Decomposers
 Degeneration
 Saprobionts
 Sewage treatment
 Sludge treatment
 Wastewater treatment
 Water pollution treatment

Biodeposition
 USE: **Detritus**

Biodeterioration
 USE: **Biological damage**

Biodiversity
 UF: Ecosystem diversity
 Habitat diversity
 RT: Biosecurity
 Community structure
 Cryptic species
 DNA barcoding
 Ecosystem services
 Gene banks
 Genetic diversity
 Habitat loss
 River restoration
 Species diversity

Bioeconomics
 SN: The study of the dynamics of
 living resources using economic
 models
 BT: Economics
 RT: Living resources
 Socioeconomic aspects
 Sustainability

Bioelectricity
 SN: The production of electricity
 by living animals
 BT: Biological properties
 RT: Biophysics
 Defence mechanisms
 Electric organs

Bioenergetic studies
 USE: **Bioenergetics**

Bioenergetics
 SN: Energy transformation in
 living organisms and aquatic
 ecosystems. Before 1982 search
 ENERGY BUDGET
 UF: Bioenergetic studies
 RT: Conversion factors
 Ecosystems
 Energy budget
 Food chains
 Food consumption
 Metabolism

Bioengineering
 USE: **Biotechnology**

Bioerosion
 UF: Erosion (biological)
 RT: Bacteria
 Biological damage
 Boring organisms
 Fungi

Bioethics
 NT: Animal welfare

Bioevolution
 USE: **Evolution**

Biofacies
 BT: Facies
 RT: Biostratigraphy
 Ecology
 Fossils
 Palaeontology
 Sedimentation

Biofilms
 SN: Films formed by
 microorganisms
 BT: Surface films
 NT: Microbial mats
 RT: Fouling organisms
 Microorganisms
 Surface microlayer

Biofilters
 UF: Biological filters
 Subgravel filters
 BT: Filters
 RT: Biofloc technology
 Recirculating systems
 Water treatment

Biofloc technology
 SN: Use of aggregates of bacteria,
 algae, or protozoa, held
 together in a matrix along with
 particulate organic matter
 for the purpose of improving
 water quality, waste treatment
 and disease prevention in
 intensive aquaculture systems.
 Consumption of bioflocs also
 provides nutritional value to
 cultured species
 BT: Water quality
 RT: Biofilters
 Water pollution treatment
 Water quality control
 Water treatment

Biogas
 BT: Gases

Biogenesis
 SN: Before 1982 search
 EVOLUTION
 BT: Biological phenomena
 RT: Biogeny
 Evolution
 Reproduction

Biogenic deposits
 UF: Biogenic sediments
 BT: Sediments
 NT: Coral reefs
 Organic sediments
 Siliceous sediments
 RT: Autochthonous deposits
 Biogenic material
 Oozes

Biogenic material
 SN: Material of biological origin
 UF: Biogenous material
 BT: Materials
 RT: Biogenic deposits
 Detritus
 Suspended organic matter
 Trophodynamic cycle

Biogenic sedimentary structures
 BT: Sedimentary structures
 NT: Algal mats
 Stromatolites
 Trace fossils
 RT: Bioturbation
 Coral reefs

Biogenic sediments
 USE: **Biogenic deposits**

Biogenous material
 USE: **Biogenic material**

Biogeny
 SN: The science of the evolution
 of organisms, comprising
 ontogeny and phylogeny.
 Before 1982 search
 EVOLUTION
 NT: Ontogeny
 Phylogeny
 RT: Biogenesis
 Evolution

Biogeochemical cycle
 SN: Complete cycle between
 organic matter in aquatic
 ecosystems. Before 1982 search
 BIOCHEMICAL CYCLE
 BT: Geochemical cycle
 NT: Nutrient cycles
 RT: Biochemical cycles
 Biochemistry
 Biodegradation
 Biogeochemistry
 Biological clocks
 Chemical degradation
 Detritus
 Oxidation
 Photosynthesis
 Primary production
 Suspended particulate matter

Biogeochemistry
 BT: Geochemistry
 RT: Biochemistry

Biogeochemical cycle		
Biology		
Pyrolysis		
Sediment chemistry		
Sulphate reduction		
Biogeography	Biological attachment	Biological damage
UF: Chorology	UF: Attachment (biological)	SN: Damage caused by aquatic organisms
Phytogeography	NT: Parasite attachment	UF: Biodeterioration
Zoogeography	RT: Attachment organs	Biological corrosion
BT: Geography		Biological deterioration
RT: Aquatic animals	Biological balance	Damage (biological)
Aquatic plants	USE: Ecological balance	BT: Damage
Biological charts		RT: Bioerosion
Biology	Biological charts	Boring organisms
Botany	SN: Distributional charts of aquatic organisms, aquatic communities, living resources and their migrations	Dangerous organisms
Cosmopolite species	BT: Maps	Fouling organisms
Ecological distribution	RT: Aquatic communities	
Ecology	Biogeography	Biological data
Endemic species	Distribution records	BT: Data
Endemism	Geographical distribution	RT: Biological sampling
Faunal provinces	Quantitative distribution	Biological surveys
Hydroclimate		Capture-recapture studies
Ichthyology	Biological classification	Census
Phytosociology	USE: Taxonomy	
Zoology	Biological climatology	Biological dating
	USE: Bioclimatology	USE: Age determination
Biographies	Biological clocks	Biological deterioration
UF: Autobiographies	RT: Biogeochemical cycle	USE: Biological damage
BT: Documents	Biological rhythms	
Bioherms	Biological collections	Biological development
BT: Reefs	SN: Museum collections and comparative collections of aquatic organisms	SN: Restricted to development processes of organisms. Before 1982 search DEVELOPMENT (BIOLOGICAL).
RT: Coral reefs	BT: Collections	UF: Development (biological)
Limestone	NT: Gene banks	NT: Embryonic development
	Gene libraries	Larval development
Bioindicator organisms		RT: Developmental stages
USE: Indicator species		Growth
		Life cycle
Bioindicators	Biological competition	Ontogeny
USE: Indicator species	USE: Competition	
Biological age	Biological contamination	Biological drift
UF: Age (biological)	USE: Microbial contamination	UF: Drift (biological)
Age (organisms)		BT: Dispersion
BT: Age	Biological control	RT: Biotic barriers
NT: Age at recruitment	SN: Use of organisms or viruses to control parasites, aquatic weeds or other pests	Wind-driven currents
RT: Biological aging	UF: Biocontrol	
Growth	BT: Control	Biological engineering
Life cycle	RT: Biological vectors	USE: Biotechnology
Longevity	Bio-manipulation	
	Fouling control	Biological equilibrium
Biological aging	Pest control	USE: Ecological balance
UF: Ageing (biological)	Plant control	
Aging (biological)	Predator control	Biological fertilization
Senescence	Protozoan diseases	UF: External fertilization
BT: Aging	Viral diseases	Fertilization (biological)
RT: Age composition		Internal fertilization
Age determination		Reproductive fertilization
Biological age		Syngamy
Growth		BT: Sexual reproduction
Life cycle		RT: Polyspermy
Longevity		Sexual cells
		Spermatophores
Biological assays	Biological corrosion	
USE: Bioassays	USE: Biological damage	Biological filters
	Biological culture	USE: Biofilters
	USE: Laboratory culture	

Biological grading

SN: Before 2016 search
GRADING
UF: Grading (biological)
BT: Biological sampling
NT: Age grading
Fish grading
Size grading (organisms)
Weight grading

Biological half life

SN: Time required by the body to eliminate one-half of the administered dose of any substance by regular process of elimination
UF: Biological half time
Half life (biological)
Half life (effective)
RT: Body burden
Radionuclide kinetics

Biological half time

USE: **Biological half life**

Biological indicators

USE: **Indicator species**

Biological institutions

BT: Research institutions
RT: Limnological institutions
Oceanographic institutions

Biological limnology

USE: **Freshwater ecology**

Biological markers

USE: **Biomarkers**

Biological membranes

UF: Membranes (biological)
BT: Membranes
RT: Cell membranes
Ion exchange
Ion transport

Biological noise

SN: Sound emitted by marine animals present on echo trace
UF: Fish sounds
Marine biological noise
BT: Ambient noise
RT: Bioacoustics
Sound production
Sound waves

Biological oceanography

USE: **Marine ecology**

Biological oxygen demand

USE: **Biochemical oxygen demand**

Biological phenomena

UF: Phenomena (biological)
NT: Adaptations

Allergic reactions
Bioaccumulation
Biogenesis
Biological rhythms
Biosynthesis
Degeneration
Encystment
Evolution
Metamorphosis
Mutations
Regeneration
RT: Biochemical phenomena
Bioluminescence
Interspecific relationships
Intraspecific relationships

Biological poisons

SN: Before 1982 search
POISONS (BIOLOGICAL)
UF: Biological toxins
Biotoxins
Poisons (biological)
Toxins
Venoms
BT: Hazardous materials
NT: Ciguatoxin
Endotoxins
Neurotoxins
Tetrodotoxin
RT: Algal blooms
Antibodies
Detoxification
Lethal effects
Lethal limits
Metabolites
Poisonous organisms
Red tides
Sublethal effects
Toxicity
Toxicology
Venom apparatus

Biological pollutants

SN: Pollutants having a biological origin
BT: Pollutants
RT: Biological production
Culture effects
Microbial contamination

Biological polymorphism

USE: **Biopolymorphism**

Biological production

SN: Organic production in aquatic environment, including dynamic parameters. Before 1982 search
PRODUCTION (BIOLOGICAL)
UF: Natural increase
Natural production
Organic production
Production (biological)
Production rate
NT: Primary production
Secondary production
RT: Biological pollutants

Biomass
Density dependence
Ecosystems
Environmental effects
Fertility
Food webs
Nutrient cycles
Nutrients (mineral)
Oxygen demand
Plankton equivalents
Trophic levels
Trophodynamic cycle
Yield

Biological properties

BT: Properties
NT: Bioelectricity
Biological resistance
Biological traits
Euryhalinity
Eurythermy
Fecundity
Heterosis
Homoiothermy
Immunity
Longevity
Neoteny
Poikilothermy
Sexual maturity
Stenohalinity
Stenothermy
Tolerance
Toxicity
Vulnerability
RT: Bioluminescence
Fluorescence
Instinct
Phosphorescence
Physicochemical properties
Vulnerable marine ecosystems

Biological rafting

SN: Transport of sediment by aquatic organisms
BT: Rafting
RT: Bioturbation
Sediments

Biological resistance

SN: Use of a more specific term is recommended
UF: Resistance (biological)
BT: Biological properties
NT: Cold resistance
Control resistance
Disease resistance
Drought resistance
Drug resistance
Parasite resistance
RT: Biological traits
Ecophysiology
Environmental effects
Resistance mechanisms
Tolerance

Biological resources

USE: **Living resources**

Biological rhythms

SN: A repeated cyclic change in the behaviour of organisms

UF: Biorhythms

Endogenous rhythms

Rhythms (biological)

BT: Biological phenomena

NT: Circadian rhythms

Nyctimeral rhythms

RT: Activity patterns

Autecology

Behaviour

Biological clocks

Ecological distribution

Phenology

Photoperiodicity

Vertical migrations

Biological sampling

SN: Sampling methods and techniques for aquatic animals and plants. Before 1982 search SAMPLING (BIOLOGICAL).

UF: Sampling (biological)

BT: Sampling

NT: Biological grading

Capture-recapture studies

RT: Biological data

Biological surveys

Biometrics

Census

Collecting devices

Statistical sampling

Biological sciences

USE: **Biology**

Biological selection

USE: **Bioselection**

Biological settlement

SN: Before 1982 search

SETTLEMENT

(BIOLOGICAL)

UF: Settlement (biological)

NT: Algal settlements

Larval settlement

RT: Colonization

Settling behaviour

Substrate preferences

Biological speciation

SN: Before 1982 search

SPECIATION (BIOLOGICAL)

UF: Speciation (biological)

RT: Bioselection

Breeding

Ecotypes

Evolution

Genetics

Isolating mechanisms

Lectotype

Mutations

New species

Phylogenetics

Phylogeny

Population genetics

Species

Species identification

Taxonomy

Biological stress

SN: Physiological condition of a tissue, organ or organism which is unable to respond normally to a stimulus without rest. Before 1982 search FATIGUE

(BIOLOGICAL)

UF: Fatigue (biological)

Stress (biological)

Stress (physiological)

NT: Coral bleaching

RT: Stimuli

Stress (mechanics)

Biological surveys

BT: Surveys

NT: Plankton surveys

RT: Biological data

Biological sampling

Community composition

Environmental surveys

Biological testing

USE: **Biotesting**

Biological tissues

USE: **Tissues**

Biological toxins

USE: **Biological poisons**

Biological traits

SN: Distinguishing features that reflect physiological requirements, morphological adaptations, and life histories innate to an organism. Usually referred to in papers dealing with ecology or morphology

UF: Effect traits

Functional traits

Response traits

Species traits

BT: Biological properties

RT: Adaptations

Biological resistance

Environmental effects

Genotypes

Life history

Phenotypes

Tolerance

Biological transplantation

USE: **Transplants**

Biological treatment

SN: Systems that use microorganisms to degrade organic contaminants from wastewater

UF: Biological wastewater treatment

BT: Waste treatment

RT: Biodegradation

Organic wastes

Sewage treatment

Waste water

Wastewater treatment

Biological uptake

SN: The incorporation/absorption in a living tissue or organism of chemicals of substances from the environment, which can be evaluated by measuring their accumulation

UF: Uptake (biological)

RT: Bioaccumulation

Dissolved oxygen

Food absorption

Ingestion

Nutrients (mineral)

Oxygen

Pollution effects

Sorption

Water

Biological vectors

SN: Organisms serving as passive carrier of a disease agent. Before 1982 search VECTORS (BIOLOGICAL)

BT: Vectors

RT: Biological control

Hosts

Parasites

Parasitic diseases

Protozoan diseases

Biological wastewater treatment

USE: **Biological treatment**

Biologically active compounds

USE: **Bioactive compounds**

Biologists

UF: Aquatic biologists

Hydrobiologists

BT: Scientific personnel

NT: Algologists

Botanists

Fishery biologists

Microbiologists

Taxonomists

Zoologists

RT: Biology

Biology

SN: Before 1982 search

BIOLOGICAL SCIENCES. Use of a more specific term is recommended

UF: Biological sciences

Life sciences (biology)

NT: Anatomy

Botany

Cryobiology

Cytology

Embryology

- Fishery biology
- Functional morphology
- Genetics
- Haematology
- Histology
- Hydrobiology
- Microbiology
- Molecular biology
- Organism morphology
- Physiology
- Zoology
- RT: Bioacoustics
- Biogeochemistry
- Biogeography
- Biologists
- Biophysics
- Biotechnology
- Ecology
- Life history
- Bioluminescence**
- SN: Biological fluorescence and phosphorescence produced by photogenic or luminous organs or organisms
- BT: Luminescence
- RT: Biological phenomena
- Biological properties
- Chemiluminescence
- Fluorescence
- Phosphorescence
- Photophores
- Biomanipulation**
- SN: The deliberate alteration of an ecosystem by adding or removing species
- BT: Restoration
- RT: Biological control
- Ecosystem management
- Food webs
- Habitat improvement (biological)
- Water pollution treatment
- Biomarkers**
- SN: A characteristic that is objectively measured and evaluated as an indicator of normal biological processes, pathogenic processes or pharmacological responses to a therapeutic intervention. Use of a more specific term is recommended
- UF: Biochemical markers
- Biological markers
- Histological markers
- Physiological markers
- NT: Genetic markers
- RT: Body conditions
- Immunology
- Physiology
- Biomass**
- UF: Live weight
- Population abundance (in weight)
- Population size (in weight)
- Standing crop (in weight)
- Standing stock (in weight)
- BT: Population characteristics
- NT: Spawning stock biomass
- RT: Abundance
- Biological production
- Plankton equivalents
- Population density
- Population number
- Quantitative distribution
- Surplus production
- Yield
- Yield-per-recruit
- Biomathematics**
- USE: **Biometrics**
- Biometeorology**
- USE: **Bioclimatology**
- Biometrics**
- UF: Biomathematics
- Biometry
- Biostatistics
- RT: Biological sampling
- Community structure
- Mathematics
- Numerical taxonomy
- Statistical analysis
- Statistics
- Biometry**
- USE: **Biometrics**
- Bionomics**
- USE: **Ecology**
- Biophysics**
- BT: Physics
- RT: Bioacoustics
- Bioelectricity
- Biology
- Physiology
- Bioplasm**
- USE: **Cytoplasm**
- Biopolymorphism**
- SN: Before 1982 search
- POLYMORPHISM (BIOLOGICAL)
- UF: Balanced polymorphism
- Biological polymorphism
- Genetic polymorphism
- Polymorphism (biological)
- Transient polymorphism
- NT: Cyclomorphosis
- RT: Organism morphology
- Population genetics
- Sexual dimorphism
- Bioreactors**
- UF: BCRs
- Biochemical reactors
- RT: Bioremediation
- Mine tailings
- Mineral industry
- Mining
- Water pollution treatment
- Bioremediation**
- SN: The use of organisms to treat pollutants or wastes
- RT: Bioreactors
- Environmental protection
- Pollution control
- Waste treatment
- Water pollution treatment
- Biorhythms**
- USE: **Biological rhythms**
- Biosecurity**
- SN: Approach to analysing and managing risks in the sectors of food safety, animal life and health, and plant life and health, including associated environmental risks such as introduction of plant/animal pests and diseases and zoonoses, the introduction/release of genetically modified organisms and their products, and the introduction/management of invasive alien species and genotypes
- RT: Biodiversity
- Food-chain approach
- Food safety
- Introduced species
- Public health
- Risk management
- Bioselection**
- UF: Biological selection
- Selection (biological)
- NT: Genetic drift
- Natural selection
- Sexual selection
- RT: Biological speciation
- Culling
- Evolution
- Genetic distance
- Mutations
- Phylogeny
- Biosociology**
- USE: **Synecology**
- Biostatistics**
- USE: **Biometrics**
- Biostratigraphy**
- BT: Stratigraphy
- RT: Biofacies
- Fossil assemblages
- Biosynthesis**
- BT: Biological phenomena
- RT: Biotechnology

Chemosynthesis
Enzymatic activity
Pearls
Photosynthesis

Biota

SN: Collective flora and fauna of a given region, a specific habitat or a biotope
RT: Aquatic communities
Biocoenosis
Biotopes
Community composition
Fauna
Flora
Habitat
Microbial mats

Biotechnology

SN: Engineering methods of achieving biosynthesis of animal and plant products, including genetic engineering. Before 1986 search also BIOENGINEERING
UF: Bioengineering
Biological engineering
Genetic engineering
BT: Technology
RT: Biology
Biosynthesis
Biotelemetry
DNA fingerprinting
Genetic techniques
Genetically modified organisms
Medicine
Microinjection
Ultrastructure

Biotelemetry

SN: Instrumentation and application of the technique of remote signaling by means of ultrasonic or radio signals from a transmitter on or in an animal. Before 1982 search TELEMETRY
UF: Marine biotelemetry
Underwater biotelemetry
BT: Telemetry
RT: Bioacoustics
Biotechnology
Sonic tags
Tagging
Tracking

Biotesting

SN: Bioassays for testing degree of toxicity
UF: Biological testing
BT: Testing
RT: Bioassays
Lethal effects
Sublethal effects
Toxicity
Toxicity tests

Biotic barriers

SN: Biotic limitations affecting the dispersal and/or survival of organisms
UF: Barriers (biological)
RT: Barriers
Biological drift
Biotic factors

Biotic diseases

USE: **Infectious diseases**

Biotic environment

USE: **Biotic factors**

Biotic factors

SN: Before 1982 search ENVIRONMENTAL FACTORS
UF: Biotic environment
Density-dependent factors
BT: Environmental factors
RT: Biotic barriers
Density dependence
Food availability
Group effects
Interspecific relationships
Stocking density

Biotic natural resources

USE: **Living resources**

Biotic pressure

SN: Activities of an enlarging population to maintain itself and spread
UF: Population pressure
Pressure (populations)
RT: Competition
Food availability
Natural mortality
Population control
Population density

Biotin

USE: **Vitamin B**

Biotite

BT: Micas
RT: Kimberlites

Biotopes

BT: Habitat
RT: Aquatic environment
Biocoenosis
Biota
Ecological associations
Microbial mats
Microhabitats
Niches

Biotoxins

USE: **Biological poisons**

Bioturbation

SN: Sediments disturbance by organisms

BT: Sediment mixing
RT: Biogenic sedimentary structures
Biological rafting
Burrowing organisms
Diagenesis
Mixing processes
Sediments

Bipolar distribution

UF: Bipolarity
BT: Horizontal distribution

Bipolarity

USE: **Bipolar distribution**

Bird eggs

BT: Eggs
RT: Albumins
Clutch
Nesting
Nests

Bird entanglement

BT: Entanglement

Bird flight behaviour

USE: **Flight behaviour**

Bird flying

USE: **Flying**

Bird navigation

USE: **Animal navigation**

Bird physiology

USE: **Avian physiology**

Birds (aquatic)

USE: **Aquatic birds**

Birds (marine)

USE: **Marine birds**

Birnessite

BT: Oxide minerals

Birth

USE: **Parturition**

Bisexuality

USE: **Hermaphroditism**

Bismuth

BT: Heavy metals
RT: Bismuth compounds
Bismuth isotopes

Bismuth compounds

BT: Chemical compounds
RT: Bismuth

Bismuth isotopes

BT: Isotopes
RT: Bismuth

Bitumens

UF: Pitch (mineral)
BT: Petroleum hydrocarbons
RT: Oil sands
Petroleum residues

Bivalve culture

BT: Mollusc culture
NT: Clam culture
Mussel culture
Oyster culture
Scallop culture

Black water rivers

USE: **Blackwater rivers**

Blackwater rivers

SN: Considered some of the cleanest natural waters in the world, blackwater rivers are very low in dissolved minerals and often have no measurable water hardness
UF: Black water rivers
BT: Rivers
RT: Classification
Clearwater rivers
River water
Sediment transport
Water colour
Whitewater rivers

Bladders

SN: Any membrane sac containing gas or fluid
BT: Animal organs
NT: Gall bladder
Swim bladder
RT: Excretory organs

Blasting

SN: Controlled use of explosives
RT: Detonators
Explosions
Explosives

Blastospores

USE: **Spores**

Bleached minerals

USE: **Bleached rocks**

Bleached rocks

UF: Bleached minerals
Bleaching (geological)
BT: Rocks

Bleaching (coral)

USE: **Coral bleaching**

Bleaching (geological)

USE: **Bleached rocks**

Bleaching wastes

SN: Wastes from paper, pulp or textile mills which contain bleaching agents

BT: Industrial wastes

RT: Chlorinated hydrocarbons

Pulp wastes

Wastes

Water treatment

Blind spot

USE: **Retinas**

Block fillets

USE: **Fish fillets**

Blood

UF: Blood liquids

Plasma (blood)

BT: Body fluids

RT: Albumins

Blood cells

Blood circulation

Blood groups

Blood vessels

Circulatory system

Connective tissues

Haematology

Haemocyanins

Hypercapnia

Lipoproteins

Myoglobins

Serological studies

Blood cells

UF: Haematoblasts

BT: Cells

NT: Erythrocytes

Hepatocytes

Leukocytes

Lymphocytes

Macrophages

RT: Agglutinins

Antigens

Blood

Cholesterol

Haemoglobins

Haemopoiesis

Blood chemistry

USE: **Haematology**

Blood circulation

UF: Blood flow

BT: Circulation

RT: Blood

Blood pressure

Blood vessels

Circulatory system

Heart

Blood diseases

USE: **Haematological diseases**

Blood flow

USE: **Blood circulation**

Blood groups

SN: Types of blood classified on the basis of the different antigens present

UF: Blood types

RT: Antigens

Blood

Haematology

Blood liquids

USE: **Blood**

Blood pressure

BT: Pressure

RT: Blood circulation

Circulatory system

Blood types

USE: **Blood groups**

Blood vessels

UF: Arteries

Veins

Venules

BT: Circulatory system

RT: Blood

Blood circulation

Connective tissues

Haemorrhage

Heart

Blooms

SN: Huge numbers of plants or animals that appear suddenly

NT: Algal blooms

Ctenophore blooms

Jellyfish blooms

Salp blooms

RT: Phytoplankton

Zooplankton

Blowout control

BT: Control

RT: Blowout preventers

Blowouts

Blowout preventers

RT: Blowout control

Blowouts

Wellheads

Blowouts

SN: Pertains to oil and gas well blowouts

UF: Gas well blowouts

Oil well blowouts

RT: Blowout control

Blowout preventers

Fire

Fire hazards

Blubber

SN: The fat of aquatic mammals, especially referring to whales and seals

BT: Adipose tissue

RT: Body conditions

Lipids

Marine mammals

Blue whale unit

UF: BWU

RT: Quota regulations

Whaling

Whaling regulations

Whaling statistics

Blueprints

USE: **Engineering drawings**

Bluewater rivers

USE: **Clearwater rivers**

BMP

USE: **Best practices**

Boat building

USE: **Ship technology**

Boat dredges

USE: **Dredges**

Boat seines

UF: Danish seines

Pair seines

Scottish seines

BT: Seine nets

RT: Beach seines

Boat wastes

USE: **Vessel wastes**

Boating

UF: Canoeing

Sailing

BT: Recreation

NT: Yachting

Boats

UF: Rafts

BT: Surface craft

NT: Canoes

Catamarans

Lifeboats

Motor boats

Row boats

RT: Dredges

BOD

USE: **Biochemical oxygen demand**

Body burden

SN: The amount of radioactive material present in the body of a human or animal

RT: Biological half life

Pollutants

Radioactive contamination

Radionuclide kinetics

Body cavities

SN: Before 1982 search BODY

CAVITY

NT: Coelom

Mantle cavity

RT: Body walls

Haemolymph

Body conditions

UF: Fat content

RT: Adipose tissue

Biomarkers

Blubber

Body weight

Condition factor

Nutritional requirements

Body deformations

USE: **Abnormalities**

Body fat

USE: **Adipose tissue**

Body fluids

UF: Body liquids

BT: Fluids

NT: Bile

Blood

Coelomic fluids

Haemolymph

Lymph

Mucus

Serum

Urine

RT: Amoebocytes

Colloids

Body liquids

USE: **Body fluids**

Body organs

SN: A part of an organism that forms a structural and functional unit

UF: Organs (body)

BT: Anatomical structures

NT: Animal organs

Attachment organs

Plant organs

RT: Organ removal

Organogenesis

Regeneration

Transplants

Body regions

UF: Animal body regions

BT: Anatomical structures

NT: Abdomen

Anus

Cephalothorax

Head

Thorax

RT: Animal morphology

Animal organs

Body shape

Body size

Body shape

RT: Adipose tissue

Body regions

Body size

Body weight

Length-weight relationships

Body size

RT: Adipose tissue

Animal morphology

Body regions

Body shape

Body weight

Length-weight relationships

Body temperature

BT: Temperature

RT: Aestivation

Heat balance

Hibernation

Homoiothermy

Hyperthermia

Hypothermia

Metabolism

Poikilothermy

Thermal stimuli

Thermoregulation

Body walls

NT: Mantle

RT: Body cavities

Skin

Body waves

SN: Use of a more specific term is recommended

BT: Seismic waves

NT: P-waves

S-waves

Body weight

RT: Adipose tissue

Body conditions

Body shape

Body size

Length-weight relationships

Boehmite

BT: Oxide minerals

Bogs

SN: A bog is a domed land form, higher than the surrounding landscape, which obtains most of its water from rainfall. It is always acidic and nutrient-poor. Before 2016 search MARSHES

BT: Mires

NT: Muskeg

RT: Fens

Marshes

Swamps

Boil disease

SN: Before 1982 search

PARASITIC DISEASES

UF: Bubonic disease

Fish furunculosis

Furunculosis

Red boil disease

BT: Fish diseases

RT: Bacterial diseases

Parasitic diseases

Boiling point

BT: Transition temperatures

Boluses

BT: Water mass intrusions
RT: Cascading
Overflow

Bonding

USE: **Adhesion**

Bone necrosis

UF: Osteonecrosis
RT: Diving physiology
Underwater medicine

Bones

BT: Endoskeleton
NT: Skull
Vertebrae
RT: Calcification
Connective tissues
Decalcification
Osteology
Otoliths

Bonito fisheries

USE: **Tuna fisheries**

Bony fins

UF: Bony rays
BT: Fins
RT: Exoskeleton
Meristic counts

Bony rays

USE: **Bony fins**

Book catalogues

SN: Use only for listings of books,
periodicals, etc. issued by
publishers and antiquarian
dealers
BT: Catalogues

Boomerang corers

USE: **Corers**

Booms

USE: **Floating barriers**

Booster stations

USE: **Pump stations**

Bora

USE: **Local winds**

Borate minerals

UF: Borates
BT: Minerals
NT: Borax
RT: Boron
Evaporites

Borates

USE: **Borate minerals**

Borax

BT: Borate minerals

Borderland (continental)

USE: **Continental margins**

Boreholes

UF: Drill holes
RT: Cores
Drilling
Hole re-entry
Well logging

Borers

USE: **Boring organisms**

Bores

USE: **Tidal bores**

Bores in estuaries

USE: **Tidal bores**

Boric acid

SN: Before 1982 search
INORGANIC ACIDS
BT: Inorganic acids
RT: Boron
Boron compounds

Boring

USE: **Drilling**

Boring organisms

UF: Borers
BT: Aquatic organisms
RT: Aquatic insects
Bioerosion
Biological damage
Fouling organisms

Boron

BT: Nonmetals
RT: Borate minerals
Boric acid
Boron compounds
Boron isotopes

Boron compounds

BT: Chemical compounds
RT: Boric acid
Boron
Organic compounds

Boron isotopes

BT: Isotopes
RT: Boron

Botanical resources

UF: Algae resources
Aquatic botanical resources
Aquatic plant resources
Plant resources
Seagrass resources
Seaweed resources
BT: Living resources
NT: Plant strains

RT: Aquatic plants

Botanists

BT: Biologists
RT: Botany
Taxonomists

Botany

UF: Phytology
BT: Biology
NT: Algology
RT: Aquatic plants
Biogeography
Botanists
Palaeontology
Palynology
Phytoplankton
Phytosociology
Plant culture
Plant physiology
Species
Taxonomy

Bottle post

USE: **Drift bottles**

Bottom boundary layer

USE: **Benthic boundary layer**

Bottom cages

USE: **Submerged cages**

Bottom crawlers

USE: **Seabed vehicles**

Bottom culture

UF: Seabed farming
BT: Aquaculture techniques
RT: Shellfish culture

Bottom currents

SN: Before 1982 search DEEP
CURRENTS
UF: Near-bottom currents
BT: Water currents
NT: Abyssal currents
Benthic currents
RT: Bottom erosion
Current scouring
Deep currents
Density flow
Lake currents
Ocean currents
Scouring
Seabed drifters
Sediment drifts
Shelf seas
Subsurface currents
Turbidity currents

Bottom Ekman layer

BT: Ekman layers
RT: Benthic boundary layer
Benthic currents

Bottom erosion

UF: Deep-sea erosion
Submarine erosion
Underwater erosion
BT: Erosion
RT: Bottom currents
Contour currents
Current scouring
Deep-sea furrows
Hiatuses
Microtopography
Seachannels
Wave scouring

Bottom features

USE: **Submarine features**

Bottom friction

UF: Bed friction
BT: Friction
RT: Bed roughness
Bottom stress
Form drag
River beds
Tidal friction
Wave dissipation

Bottom load

USE: **Bed load**

Bottom mixed layer

BT: Mixed layer
RT: Benthic boundary layer
Bottom water
Deep layer

Bottom photographs

SN: Photographs of the seabed
UF: Seabed photographs
BT: Underwater photographs

Bottom pressure

BT: Hydrostatic pressure
RT: Hurricanes
Wave-seabed interaction

Bottom reverberation

BT: Reverberation
RT: Bottom scattering

Bottom roughness

USE: **Bed roughness**

Bottom sampling

USE: **Seafloor sampling**

Bottom scattering

BT: Sound scattering
RT: Bottom reverberation

Bottom stress

UF: Bed shear stress
Bed stress
BT: Stress (mechanics)
RT: Bottom friction
Drag
Reynolds stresses

Sediment dynamics

Sediment transport

Shear stress

Bottom temperature

BT: Water temperature
RT: Potential temperature

Bottom topography

SN: The general configuration of the ocean floor
UF: Ocean bottom topography
Ocean floor topography
Sea floor topography
Underwater topography
BT: Topography (geology)
NT: Palaeotopography
RT: Bathymetry
Bottom topography effects
Echosounding
Isobaths
Morphometry
Ocean basins
Ocean floor
Physiographic provinces
Sediment distribution
Submarine features

Bottom topography effects

SN: Influence of bottom topography on general ocean circulation, currents and waves
BT: Topographic effects
RT: Abyssal circulation
Bottom topography
Ocean circulation
Water currents
Wave refraction

Bottom tow

BT: Pipeline construction
RT: Ocean floor

Bottom trapped waves

USE: **Trapped waves**

Bottom trawling

UF: Dredging (catching methods)
BT: Trawling
RT: Bottom trawls
Demersal fisheries

Bottom trawls

UF: Beam trawls (bottom)
Dragging nets
Otter trawls (bottom)
Pair trawls (bottom)
BT: Trawl nets
RT: Bottom trawling
Codends

Bottom water

SN: The water in the bottom layer of the sea, lakes, reservoirs or other water bodies. For deep water masses such as Antarctic

Bottom Water, use DEEP-WATER MASSES

BT: Water

RT: Bottom mixed layer

Deep-water masses

Surface water

Bottom water masses

USE: **Deep-water masses**

Botulism

SN: Bacterial food-born intoxication
UF: Botulism hazard
BT: Bacterial diseases
Human diseases
RT: Food poisoning
Microbial contamination
Neurotoxins

Botulism hazard

USE: **Botulism**

Boudinage

BT: Sedimentary structures
RT: Deformation
Melanges

Bouguer anomalies

BT: Gravity anomalies
RT: Bouguer gravity charts

Bouguer correction

USE: **Gravity corrections**

Bouguer gravity charts

BT: Gravity charts
RT: Bouguer anomalies

Boulder clay

UF: Till
BT: Glacial deposits
RT: Clastics
Rudites

Boulders

BT: Clastics
Sedimentary rocks
RT: Cobblestone
Glacial erratics
Rudites

Boundaries

UF: Boundary line
Territorial boundaries
NT: Fishery boundaries
International boundaries
RT: Interfaces
Plate boundaries
Surfaces

Boundary conditions

RT: Mathematical models

Boundary currents

BT: Water currents
NT: Eastern boundary currents

Western boundary currents
RT: Ocean currents
Wind-driven currents

Boundary layers

BT: Layers
NT: Atmospheric boundary layer
Benthic boundary layer
Coastal boundary layer
Ekman layers
Laminar boundary layer
Oceanic boundary layer
Turbulent boundary layer
RT: Heat transfer
Hydrodynamics
Interfaces

Boundary line

USE: **Boundaries**

Boundary value problems

UF: Initial value problems
RT: Finite element method
Numerical analysis

Boussinesq approximation

BT: Approximation

Bowen ratio

BT: Ratios
RT: Air-water exchanges
Evaporation
Heat budget
Latent heat transfer
Sensible heat transfer
Vapour pressure

Boxes

USE: **Containers**

Brackish water

BT: Water
RT: Brackishwater aquaculture
Brackishwater environment
Brackishwater pollution

Brackishwater aquaculture

SN: Referring to culture of fish and other aquatic organisms in coastal lagoons, deltas, estuaries and mangrove swamps
UF: Brackishwater culture
Estuarine aquaculture
BT: Aquaculture
RT: Algal culture
Bait culture
Brackish water
Brackishwater crustaceans
Brackishwater ecology
Brackishwater fish
Brackishwater molluscs
Brackishwater organisms
Cage culture
Extensive culture
Fish culture
Seaweed culture
Shellfish culture

Valliculture

Brackishwater crab culture

USE: **Crab culture**

Brackishwater crustaceans

UF: Crustaceans (brackishwater)
Estuarine crustaceans
BT: Aquatic crustaceans
Brackishwater invertebrates
RT: Brackishwater aquaculture
Crustacean culture
Crustacean fisheries
Shellfish

Brackishwater culture

USE: **Brackishwater aquaculture**

Brackishwater ecology

BT: Ecology
RT: Aquatic communities
Brackishwater aquaculture
Brackishwater environment
Brackishwater fish
Brackishwater organisms
Brackishwater pollution
Coastal lagoons
Mangrove swamps

Brackishwater environment

UF: Estuarine environment
BT: Aquatic environment
RT: Brackish water
Brackishwater ecology
Coastal lagoons
Deltas
Estuaries
Eutrophic waters
Inland water environment
Lagoons
Mangrove swamps
Marine environment

Brackishwater fish

UF: Estuarine fish
BT: Brackishwater organisms
Fish
RT: Anadromous migrations
Brackishwater aquaculture
Brackishwater ecology
Catadromous migrations
Estuarine fisheries
Lagoon fisheries

Brackishwater invertebrates

BT: Aquatic invertebrates
Brackishwater organisms
NT: Brackishwater crustaceans
Brackishwater molluscs
RT: Freshwater invertebrates
Invertebrate zoology
Macroinvertebrates
Marine invertebrates
Microinvertebrates

Brackishwater molluscs

UF: Estuarine molluscs

Molluscs (brackishwater)

Mollusks (brackishwater)

BT: Aquatic molluscs

Brackishwater invertebrates

RT: Brackishwater aquaculture

Mollusc culture

Mollusc fisheries

Shellfish

Brackishwater organisms

SN: Before 2016 search
ESTUARINE ORGANISMS
UF: Estuarine organisms
BT: Aquatic organisms
NT: Brackishwater fish
Brackishwater invertebrates
RT: Brackishwater aquaculture
Brackishwater ecology
Estuarine fisheries
Salinity tolerance

Brackishwater pollution

UF: Estuarine pollution
BT: Water pollution
RT: Brackish water
Brackishwater ecology

Brain

BT: Central nervous system
NT: Hypothalamus
Pineal organ
RT: Ganglia
Head
Nerves
Skull

Branched chain saturated hydrocarbons

USE: **Acyclic hydrocarbons**

Breadth

USE: **Width**

Break-point bars

BT: Nearshore bars
RT: Beach profiles
Breaking waves
Deposition features
Longshore bars

Breaker zone

USE: **Surf zone**

Breakers

BT: Breaking waves
RT: Rollers
Undertow

Breaking waves

BT: Surface water waves
NT: Breakers
Spilling waves
Surf
Whitecaps
RT: Break-point bars
Shoaling waves
Surf zone

Wave breaking
Wave crests
Wave dissipation
Waves on beaches

Breakwaters

BT: Coast defences
NT: Riprap
Rubblemound breakwaters
RT: Barriers
Coastal erosion
Harbours
Overtopping
Sea walls
Wave damping
Wave runup

Breathing apparatus

BT: Life support systems
RT: Breathing mixtures
Diving equipment
Safety devices
Scuba diving

Breathing mixtures

BT: Gases
NT: Mixed gas
RT: Breathing apparatus
Deep-sea diving
Saturation diving
Scuba diving

Breccia

BT: Clastics
RT: Conglomerates
Rudites
Volcanic breccia

Breeding

UF: Natural breeding
NT: Inbreeding
Induced breeding
Selective breeding
RT: Aquaculture
Biological speciation
Breeding ponds
Breeding seasons
Breeding sites
Breeding success
Brood care
Brood stocks
Genetics
Hybridization
Nesting
Phenology
Photoperiodicity
Reproductive behaviour
Reproductive cycle
Sexual maturity
Sexual reproduction
Spawning

Breeding cycle
USE: **Reproductive cycle**

Breeding grounds
USE: **Breeding sites**

Breeding ponds

BT: Fish ponds
RT: Breeding

Breeding seasons

SN: Before 1982 use SPAWNING
SEASONS
RT: Breeding
Nesting
Sexual isolation

Breeding sites

UF: Breeding grounds
RT: Breeding
Nesting
Nests

Breeding stocks

USE: **Brood stocks**

Breeding success

RT: Breeding

Breezes

BT: Local winds
NT: Land breezes
Sea breezes
RT: Beaufort scale

Bridges

UF: Rail bridges
Road bridges
RT: Pontoon
Tunnels

Bright spot technology

BT: Seismic data processing
RT: Seismic profiles

Brightness temperature

USE: **Surface radiation temperature**

Brine

USE: **Brines**

Brine shrimp culture

UF: Artemia culture
BT: Crustacean culture
RT: Mass culture
Zooplankton culture

Brine shrimp eggs

BT: Eggs

Brines

UF: Brine
BT: Solutions
NT: Hot brines
RT: Chlorine compounds
Dissolved salts
Fluorine compounds
Saline water
Sea ice

Brittleness

BT: Mechanical properties

RT: Embrittlement

Bromides

BT: Bromine compounds
RT: Halides

Brominated hydrocarbons

BT: Halogenated hydrocarbons
RT: Bromine

Bromine

BT: Halogens
RT: Brominated hydrocarbons
Bromine compounds
Bromine isotopes

Bromine compounds

BT: Halogen compounds
NT: Bromides
RT: Bromine

Bromine isotopes

BT: Isotopes
RT: Bromine

Brood care

RT: Aquaculture
Breeding
Brood stocks

Brood stocks

SN: A population of specimens
selected for reproduction
purposes
UF: Breeding stocks
Parent stocks
BT: Stocks
RT: Breeding
Brood care
Fecundity
Hybridization

Brown water rivers

USE: **Whitewater rivers**

Brucite

BT: Oxide minerals

Brunt-Vaisala frequency

UF: Buoyancy frequency
Stability frequency
BT: Frequency
RT: Vertical stability

BTU

USE: **Calorimetry**

Bubble barriers

UF: Bubble breakwaters
BT: Barriers

Bubble breakwaters

USE: **Bubble barriers**

Bubble bursting

RT: Aerosols
Air-water exchanges

Bubbles
Droplets
Electric charge
Surface chemistry

Bubble disease

UF: Gas bubble disease
Gas embolism
BT: Fish diseases
RT: Artificial aeration
Dissolved gases
Exophthalmia

Bubbles

NT: Air bubbles
RT: Bubble bursting
Bubbling
Cavitation
Debubbling

Bubbling

RT: Aeration
Bubbles
Debubbling

Bubonic disease

USE: **Boil disease**

Bucket temperature

USE: **Surface temperature**

Buckling

USE: **Deformation**

Buckling (pipe)

USE: **Pipe buckling**

Budding

BT: Asexual reproduction
RT: Buds
Gemmules
Polyps
Spores
Vegetative reproduction

Buds

RT: Budding
Plant organs
Polyps

Buffer capacity

USE: **Buffers**

Buffer solution

USE: **Buffers**

Buffers

SN: Buffers occurring in natural water or used in laboratory work
UF: Buffer capacity
Buffer solution
RT: Acidity
Alkalinity
Chemical reactions
pH
Solutions

Bulk carriers

UF: Ore carriers
BT: Merchant ships
RT: Cargoes

Bulk modulus

BT: Elastic constants
RT: Compressibility
Deformation
Elasticity
Shear modulus

Buoy dynamics

USE: **Buoy motion**

Buoy hull shapes

USE: **Buoy hulls**

Buoy hulls

UF: Buoy hull shapes
BT: Hulls
NT: Discus-shaped buoys
Spar buoys
RT: Buoys

Buoy masts

USE: **Masts**

Buoy mooring systems

BT: Mooring systems
RT: Buoy motion
Buoy systems
Buoys
Mooring recovery

Buoy motion

UF: Buoy dynamics
BT: Motion
RT: Buoy mooring systems
Buoy motion effects
Cable dynamics
Ship motion
Wave effects

Buoy motion effects

SN: Effect of buoy motion on instruments and on instrument readings
BT: Motion effects
RT: Buoy motion
Buoys
Heave response
Heaving
Mooring motion effects
Pitch response
Pitching
Roll resonance
Roll response
Rolling
Surge response
Surging
Yaw response
Yawing

Buoy systems

RT: Buoy mooring systems

Buoys

Floating structures

Buoyancy

SN: Includes mechanisms in organisms for buoyancy
BT: Physical properties
RT: Ballast
Buoyancy floats
Buoyancy flux
Buoyancy materials
Buoys
Density
Flotation
Hydrostatic behaviour
Stability
Swim bladder
Water density

Buoyancy floats

UF: Buoyancy spheres
Floats (buoyancy)
Subsurface buoyancy floats
RT: Ballast
Buoyancy
Buoys

Buoyancy flux

SN: The buoyant or submerged weight of the fluid passing through a cross section in unit time
RT: Buoyancy
Buoyant jets

Buoyancy frequency

USE: **Brunt-Vaisala frequency**

Buoyancy materials

BT: Materials
RT: Buoyancy

Buoyancy spheres

USE: **Buoyancy floats**

Buoyant jets

BT: Jets
RT: Buoyancy flux
Density stratification
Outfalls
Plumes
Turbulent entrainment
Water mixing

Buoys

SN: Use of a more specific term is recommended
NT: Data buoys
Fishing buoys
Marker buoys
Mooring buoys
Navigational buoys
Radio buoys
Sonobuoys
RT: Buoy hulls
Buoy mooring systems
Buoy motion effects

Buoy systems
 Buoyancy
 Buoyancy floats
 Drogues
 Masts

 Burial
 USE: **Burying**

Burrowing organisms
 UF: Benthic infauna
 Endofauna
 BT: Aquatic organisms
 RT: Benthos
 Bioturbation
 Burrows
 Protective behaviour

Burrows
 RT: Burrowing organisms
 Trace fossils

Burying
 UF: Burial
 RT: Pipeline construction
 Pipeline protection
 Trenching

 Business management
 USE: **Financial management**

Butane
 BT: Acyclic hydrocarbons

 Buy back
 USE: **Buyback**

Buyback
 SN: Buy what had previously been
 sold, lost, or given away
 UF: Buy back
 BT: Purchasing
 RT: Fishery management
 Fishing rights
 Fishing vessels

 BWU
 USE: **Blue whale unit**

 By-catch
 USE: **By catch**

By-catch excluder devices
 SN: Device inserted in fishing
 gear to allow escapement, alive,
 of unwanted species (including
 medusae) or individuals
 (juveniles) or endangered
 species (e.g. seals, turtles,
 dolphins).
 UF: BEDs
 By catch reduction devices
 NT: Turtle excluder devices

 By-products
 USE: **Byproducts**

By catch
 SN: The catch taken incidentally
 during the capture of a species
 of specific interest to fishermen.
 Before 1986 search also BY-
 CATCH
 UF: Additional catch
 By-catch
 Non-target species
 RT: Byproducts
 Catch-effort
 Catch composition
 Discards
 Fish catch statistics
 Post harvest losses
 Shellfish catch statistics

 By catch reduction devices
 USE: **By-catch excluder devices**

Byproducts
 UF: By-products
 BT: Products
 RT: By catch
 Fish leather
 Fish oils
 Industrial products
 Powdered products
 Processed fishery products
 Stickwater
 Wastes

Byssus
 SN: In Mollusca
 Lamellibranchiata, a tuft of
 filaments secreted by a gland in
 the foot and used for attachment
 UF: Byssus threads
 BT: Animal appendages
 RT: Secretion

 Byssus threads
 USE: **Byssus**

 C/N ratio
 USE: **Carbon-nitrogen ratio**

 Cabaling
 USE: **Cabelling**

Cabelling
 SN: Mixing of two water masses
 with identical insitu densities
 but different insitu temperatures
 and salinities, so that the
 resulting mixture is denser than
 its components. Before 1984
 search also CABELLING
 UF: Cabaling
 Cabelling
 BT: Vertical water movement
 RT: Mixing processes
 Salinity
 Water density
 Water masses
 Water mixing
 Water temperature

Cabelling
 USE: **Cabelling**

 Cable breaks
 USE: **Submarine cable breaks**

Cable depressors
 BT: Depressors
 RT: Oceanographic equipment
 Towed sensors
 Towing lines

Cable dynamics
 BT: Dynamics
 RT: Buoy motion
 Cables
 Catenary
 Wire rope

Cable laying
 RT: Cable ships
 Submarine cables

Cable ships
 BT: Ships
 RT: Cable laying
 Submarine cables
 Work platforms

Cables
 NT: Electric cables
 Guide lines
 Mooring lines
 Riser cables
 Streamers
 Towing lines
 Umbilicals
 RT: Cable dynamics
 Catenary
 Chain
 Fairings
 Ropes
 Wire angle
 Wire rope

Cadmium
 BT: Heavy metals
 RT: Cadmium compounds
 Cadmium isotopes

Cadmium compounds
 BT: Chemical compounds
 RT: Cadmium

Cadmium isotopes
 BT: Isotopes
 RT: Cadmium

 Caenozoic
 USE: **Cenozoic**

Caesium
 UF: Cesium
 BT: Alkali metals
 RT: Caesium isotopes

Caesium 137

BT: Caesium isotopes

Caesium isotopes

BT: Isotopes

NT: Caesium 137

RT: Caesium

Cage construction

USE: **Gear construction**
Cage culture

SN: Culture of shellfish species
and fish in fixed or floating
cages

UF: Basket culture

Net culture

Pen culture

BT: Aquaculture techniques

RT: Brackishwater aquaculture

Cages

Crustacean culture

Fish culture

Freshwater aquaculture

Intensive culture

Marine aquaculture

Monoculture

Raft culture

Thermal aquaculture

Cages

NT: Floating cages

Submerged cages

RT: Aquaculture equipment

Cage culture

Caissons

BT: Offshore structures

RT: Submersible platforms

Underwater habitats

Calcareenite

BT: Carbonate rocks

RT: Biocalcareenite

Limestone

Calcareous deposits

USE: **Carbonate sediments**
Calcareous ooze

UF: Ooze (calcareous)

BT: Oozes

NT: Foraminiferal ooze

Pteropod ooze

RT: Calcium carbonates

Carbonate sediments

Coccoliths

Nannofossil ooze

Calciferol

USE: **Vitamin D**
Calcification

SN: The formation of calcium salt
deposits in a tissue

UF: Physiological calcification

BT: Biochemical phenomena

RT: Bones

Decalcification

Diagenesis

Fossils

Shells

Tissues

Vitamin D

Calcite

BT: Carbonate minerals

RT: Calcite dissolution

Calcitization

Calcium carbonates

Limestone

Calcite compensation depth

USE: **Carbonate compensation
depth**
Calcite dissolution

BT: Dissolution

RT: Calcite

Carbonate compensation depth

Calcitization

BT: Diagenesis

RT: Calcite

Dolomitization

Calcium

BT: Alkaline earth metals

RT: Calcium compounds

Calcium isotopes

Water hardness

Calcium carbonates

BT: Calcium compounds

Carbonates

RT: Aragonite

Calcareous ooze

Calcite

Dolomitization

Calcium compounds

SN: Use of a specific compound is
recommended

BT: Alkaline earth metal
compounds

NT: Calcium carbonates

Calcium phosphates

Calcium sulphates

RT: Calcium

Coral

Water hardness

Calcium isotopes

BT: Isotopes

RT: Calcium

Calcium phosphates

BT: Calcium compounds

Phosphates

Calcium sulphates

BT: Calcium compounds

Sulphates

Calcrete

BT: Carbonate rocks

RT: Conglomerates

Calculators

BT: Electronic equipment

Calibration

SN: Methods for calibrating
accuracy or reliability of
equipment

BT: Standardization

NT: Intercalibration

RT: Accuracy

Efficiency

Equipment

Testing

Californium

BT: Actinides

Transuranic elements

RT: Californium isotopes

Californium isotopes

BT: Isotopes

RT: Californium

Calories

SN: Before 1982 search
NUTRITIVE VALUE

UF: Calories (nutrition)

RT: Calorimetry

Food consumption

Nutritive value

Calories (nutrition)

USE: **Calories**
Calorimetry

UF: BTU

Heat measurement

BT: Measurement

RT: Calories

Energy budget

Calved ice

USE: **Icebergs**
Calving

SN: Formation of icebergs

RT: Ablation

Ice shelves

Icebergs

Cambrian

SN: Before 1982 search also

CAMBRIAN PERIOD

BT: Palaeozoic

Cameras

BT: Photographic equipment

NT: Underwater cameras

RT: Optical filters

Photography

Television systems

Camouflage

BT: Adaptations
RT: Defence mechanisms
Mimicry
Protective behaviour

Canals

SN: Restricted to artificial water courses through a land area; used for navigation, irrigation, etc.
UF: Irrigation canals
BT: Inland waters
NT: Interocean canals
Ship canals
RT: Channels
Inlets (waterways)

Cancer

BT: Diseases
RT: Carcinogens
Disease control
Disease detection
Disease resistance
Mortality causes
Therapy
Tumours

Cangronid fisheries

USE: **Shrimp fisheries**

Canned fishery products

USE: **Canned products**

Canned products

SN: Fishery products preserved in cans by sterilization process
UF: Canned fishery products
BT: Processed fishery products
RT: Canning

Cannibalism

BT: Feeding behaviour

Canning

SN: Preservation of fishery products in cans by sterilization process
BT: Processing fishery products
RT: Canned products

Canoe fisheries

BT: Fisheries
RT: Artisanal fisheries
Artisanal fishing
Canoes

Canoeing

USE: **Boating**

Canoes

BT: Boats
RT: Canoe fisheries

Canopies

RT: Shading

Cans

USE: **Containers**

Cap rocks

RT: Diapirs
Oil reservoirs
Salt domes

Capacitance

BT: Electrical properties
RT: Dielectric constant
Electric charge
Electric impedance

Capacitance wire wave recorders

USE: **Wave recorders**

Capacity

BT: Dimensions
NT: Carrying capacity
RT: Size
Volume

Capacity (storage)

USE: **Storage**

Capacity (volume)

USE: **Volume**

Capacity building

SN: The development and strengthening of human and institutional resources
UF: Capacity development
RT: Development projects
Education
Extension activities
Training

Capacity development

USE: **Capacity building**

Cape rock lobster fisheries

USE: **Lobster fisheries**

Capelin fisheries

USE: **Gadoid fisheries**

Capillarity

SN: Physical capillary action associated with surface tension
UF: Capillary action
Capillary phenomena
RT: Air bubbles
Capillary waves
Droplets
Electrical properties
Foams
Permeability
Porosity
Surface films
Surface properties
Surface tension
Viscosity

Capillary action

USE: **Capillarity**

Capillary phenomena

USE: **Capillarity**

Capillary waves

UF: Surface tension waves
BT: Surface water waves
NT: Water ripples
RT: Capillarity
Gravity waves
Nonlinear waves
Surface tension

Capital investments

USE: **Investments**

Capital resources

USE: **Financial resources**

Capsizing

BT: Marine accidents
Ship motion
RT: Floating
Instability
Righting
Ship losses
Ship stability
Wave effects

Captivity

RT: Acclimation
Acclimatization
Domestication

Capture-based aquaculture

SN: Seed (i.e. larvae, early life stages, adults) captured and collected from the wild and subsequently grown in captivity to market size using aquaculture techniques
BT: Aquaculture techniques
RT: Aquaculture development
Aquaculture systems
Rearing

Capture-recapture data

USE: **Capture-recapture studies**

Capture-recapture studies

UF: Capture-recapture data
Mark-recapture data
Mark-recapture studies
BT: Biological sampling
RT: Biological data
Marking
Population number
Tagging

Capture fisheries

USE: **Fisheries**

Capture fishery economics

SN: Economics of exploiting wild stocks. Before 1982 search FISHERY ECONOMICS
BT: Fishery economics

Carangid fisheries

UF: Horse mackerel fisheries
 Jack fisheries
 Scad fisheries
 Yellow tail fisheries
 BT: Fisheries
 RT: Marine fisheries
 Percoid fisheries

Carapace

SN: An exoskeletal shield
 covering part or all of the dorsal
 surface of an animal
 BT: Exoskeleton
 RT: Cephalothorax
 Chitin

Carbohydrates

BT: Organic compounds
 NT: Glycogen
 Glycosides
 Prebiotics
 Saccharides
 RT: Agar
 Alcohols
 Carbon fixation
 Nutritive value
 Organic constituents

Carbon

BT: Nonmetals
 NT: Inorganic carbon
 Organic carbon
 RT: Carbon-nitrogen ratio
 Carbon compounds
 Carbon cycle
 Carbon isotopes
 Carbon sinks
 Diamonds
 Hydrocarbons

Carbon-nitrogen ratio

UF: C/N ratio
 Carbon nitrogen ratio
 Carbon/nitrogen ratio
 BT: Ratios
 RT: Carbon
 Nitrogen

Carbon 13

BT: Carbon isotopes
 RT: Radioactive tracers
 Radiocarbon dating
 Radioisotopes

Carbon 14

BT: Carbon isotopes
 Radioisotopes
 RT: Radioactive tracers
 Radiocarbon dating

Carbon assimilation

USE: **Carbon fixation**

Carbon compounds

BT: Chemical compounds

NT: Carbon dioxide
 Carbon monoxide
 Carbon sulphides
 Carbonates
 RT: Carbon
 Cyanides
 Hydrocarbons
 Organic compounds

Carbon cycle

BT: Nutrient cycles
 RT: Carbon
 Carbon dioxide
 Transpiration

Carbon dioxide

BT: Atmospheric gases
 Carbon compounds
 RT: Carbon cycle
 Carbon fixation
 Greenhouse effect
 Hypercapnia
 Photosynthesis

Carbon dioxide fixation

USE: **Carbon fixation**

Carbon dioxide poisoning

USE: **Hypercapnia**

Carbon fixation

SN: Before 1982 search
 PHOTOSYNTHESIS
 UF: Carbon assimilation
 Carbon dioxide fixation
 BT: Photosynthesis
 RT: Carbohydrates
 Carbon dioxide

Carbon isotope ratio

BT: Ratios
 RT: Carbon isotopes

Carbon isotopes

BT: Isotopes
 NT: Carbon 13
 Carbon 14
 RT: Carbon
 Carbon isotope ratio

Carbon monoxide

BT: Carbon compounds

Carbon nitrogen ratio

USE: **Carbon-nitrogen ratio**

Carbon sinks

RT: Carbon
 Ecosystem services

Carbon sulphides

BT: Carbon compounds
 Sulphides

Carbon/nitrogen ratio

USE: **Carbon-nitrogen ratio**

Carbonaceous deposits

USE: **Organic sediments**

Carbonate biogenic deposits

USE: **Carbonate sediments**

Carbonate compensation depth

UF: Calcite compensation depth
 Compensation depth
 (carbonate)
 Compensation depth (oceans)
 BT: Compensation depth
 RT: Calcite dissolution
 Lysocline

Carbonate minerals

BT: Minerals
 NT: Aragonite
 Calcite
 Dolomite
 Magnesite
 Siderite

Carbonate rocks

BT: Rocks
 NT: Beachrock
 Biocalcarene
 Calcarene
 Calcrete
 Chalk
 Dolostone
 Limestone
 RT: Carbonate sediments
 Coral reefs
 Sedimentary rocks

Carbonate sediments

UF: Calcareous deposits
 Carbonate biogenic deposits
 BT: Sediments
 RT: Calcareous ooze
 Carbonate rocks
 Chemical sediments
 Coccoliths
 Pelagic sediments

Carbonates

BT: Carbon compounds
 NT: Bicarbonates
 Calcium carbonates
 RT: Carbonic acid
 Salts
 Water hardness

Carbonic acid

BT: Organic acids
 RT: Carbonates

Carbonic anhydrase

BT: Enzymes

Carboniferous

SN: Before 1982 search
 CARBONIFEROUS PERIOD
 BT: Palaeozoic

ASFA THESAURUS

Carboxylation

BT: Chemical reactions
RT: Decarboxylation

Carboxylic acid salts

BT: Salts
NT: Acetate
Citrates
RT: Organic acids

Carboxylic acids

USE: **Organic acids**

Carcases

USE: **Carcasses**

Carcasses

UF: Carcases
Dead bodies
RT: Stranding

Carcinogenesis

SN: The production and development of cancer
RT: Carcinogens
Pollution effects
Tumours

Carcinogens

RT: Cancer
Carcinogenesis
Chemical pollutants
Diseases
Radioactive pollutants

Carcinologists

BT: Zoologists
RT: Carcinology
Fishery biologists
Taxonomists

Carcinology

BT: Invertebrate zoology
RT: Aquatic crustaceans
Carcinologists

Carcinoma

USE: **Tumours**

Careers

RT: Personnel

Cargo handling

RT: Cargoes
Container ships
Containers
Cranes
Ferry terminals
Harbours
Health and safety
Port operations
Shipping

Cargo ships

USE: **Merchant ships**

Cargoes

RT: Bulk carriers
Cargo handling
Merchant ships
Shipping
Transportation

Caridean shrimp fisheries

USE: **Shrimp fisheries**

Carnallite

BT: Halide minerals

Carnivores

BT: Heterotrophic organisms
RT: Herbivores
Omnivores
Piscivores
Plankton feeders
Predators
Trophic levels

Carotenes

USE: **Vitamin A**

Carotenoids

BT: Chromatic pigments
RT: Photosynthesis
Photosynthetic pigments

Carp culture

SN: Before 2016 search FISH CULTURE + species name
BT: Fish culture

Carrageenins

BT: Seaweed products
RT: Agar
Alginates

Carrying capacity

SN: The maximum number of organisms that can be sustained within a given area or habitat
BT: Capacity
RT: Habitat

Cartesian coordinates

USE: **Coordinate systems**

Cartilage

SN: A form of connective tissue of vertebrates. Before 1982 search TISSUES
BT: Connective tissues
RT: Musculoskeletal system
Skeleton

Cartographic methods

USE: **Cartography**

Cartography

UF: Cartographic methods
Oceanographic cartography
NT: Automated cartography
RT: Atlases
Bathymetric surveys

Geographical coordinates

Geography
Map graphics
Map projections
Mapping
Maps
Photogrammetry
Surveying
Surveys

Cascading

BT: Vertical water movement
RT: Boluses
Overflow
Slope processes

Case studies

SN: A published report about a person, group, or situation that has been studied over time; also a situation in real life that can be looked at or studied to learn about something
RT: Management
Report literature
Research
Socioeconomic aspects

Cassiterite

BT: Oxide minerals
RT: Placers
Tin

Cast nets

UF: Falling gear
BT: Fishing nets

Castration

BT: Organ removal
NT: Parasitic castration
RT: Contraception
Ovariectomy
Sterility
Testes

Castration by parasites

USE: **Parasitic castration**

CAT scan

USE: **Tomography**

Catabolism

BT: Metabolism
RT: Anabolism

Catadromous fish

USE: **Catadromous species**

Catadromous migrations

UF: Downstream migrations
BT: Spawning migrations
RT: Anadromous migrations
Brackishwater fish
Catadromous species
Homing behaviour
Potadromous migrations

Catadromous species

SN: Migrating from fresh to salt water to spawn
 UF: Amphihaline thalassotocous species
 Catadromous fish
 Katadromous species
 BT: Amphihaline species
 RT: Anadromous species
 Catadromous migrations
 Diadromy

Catagenesis

RT: Diagenesis
 Sediments

Catalogs

USE: **Catalogues**

Catalogues

UF: Catalogs
 Equipment catalogues
 BT: Documents
 NT: Book catalogues
 Inventories
 RT: Collections

Catalysis

USE: **Catalysts**

Catalysts

UF: Catalysis
 BT: Agents
 RT: Chemical kinetics
 Chemical reactions
 Enzymatic activity
 Enzymes
 Inhibitors

Catamarans

BT: Boats
 RT: Ship hulls

Catastrophes

USE: **Disasters**

Catastrophic waves

BT: Water waves
 RT: Freak waves
 Storm surges
 Tsunamis

Catch-effort

UF: Catch per unit effort
 Catch rate
 Catch/effort
 Hook rate
 RT: By catch
 Catch statistics
 Catchability
 Fishery data
 Fishing effort
 Fishing power
 Stock assessment

Catch composition

RT: By catch

Catch statistics
 Commercial species
 Multispecies fisheries

Catch limit

USE: **Quota regulations**

Catch per unit effort

USE: **Catch-effort**

Catch quota

USE: **Quota regulations**

Catch rate

USE: **Catch-effort**

Catch statistics

BT: Fishery statistics
 NT: Fish catch statistics
 Hunting statistics
 Seaweed statistics
 Shellfish catch statistics
 Whaling statistics
 RT: Catch-effort
 Catch composition
 Fishery data
 Fishing down aquatic food webs
 Fishing effort
 Fishing fleet
 Fishing time
 Landing statistics
 Quota regulations
 Stock assessment
 Total allowable catch

Catch/effort

USE: **Catch-effort**

Catchability

UF: Catchability coefficient
 RT: Avoidance reactions
 Catch-effort
 Catching methods
 Escapement
 Vulnerability

Catchability coefficient

USE: **Catchability**

Catching methods

UF: Fishing methods
 NT: Electric fishing
 Explosive fishing
 Fish poisoning
 Fishing by diving
 Light fishing
 Line fishing
 Net fishing
 Pot fishing
 Pump fishing
 Spear fishing
 Trap fishing
 Wounding
 RT: Attracting techniques
 Catchability
 Experimental fishing

Fishery engineering
 Fishery technology
 Fishing
 Fishing fleet
 Fishing gear
 Fishing technology

Catchment area

RT: Lake basins
 Land management
 River basins
 Runoff
 Tributaries
 Watersheds

Catenary

BT: Deflection
 RT: Cable dynamics
 Cables
 Mooring lines
 Riser cables

Catfish culture

SN: Before 2016 search FISH
 CULTURE + species name
 BT: Fish culture

Cathodes

BT: Electrodes

Cathodic protection

BT: Corrosion control
 RT: Impressed currents
 Sacrificial anodes

Cathodic stripping voltammetry

USE: **Stripping analysis**

Cation exchange

USE: **Ion exchange**

Cation exchange capacity

USE: **Exchange capacity**

Cations

BT: Ions
 RT: Electrolysis
 Exchange capacity

Causticity

USE: **Alkalinity**

Caustics

RT: Orthogonals
 Wave refraction diagrams

Cave fauna

USE: **Cavernicolous species**

Cavernicolous species

UF: Cave fauna
 BT: Species
 RT: Caves
 Spelaeology

Caves

SN: Restricted to marine
subterranean environment
UF: Sea caves
BT: Coastal landforms
RT: Cavernicolous species
Cliffs
Spelaeology

Caviar

SN: Sturgeon eggs detached from
roe, sorted, washed and salted,
or fish roe prepared like caviar
UF: Caviar substitutes
BT: Roes

Caviar substitutes

USE: **Caviar**

Cavitation

UF: Acoustic cavitation
BT: Turbulent flow
RT: Acoustic properties
Bubbles
Corrosion
Propellers
Vaporization
Vortices

Cavitation erosion

USE: **Corrosion**

Cays

UF: Keys (islands)
BT: Islands
RT: Coral reefs

cDNA

BT: DNA

cDNA libraries

USE: **Gene libraries**

Celestial navigation

BT: Navigation
RT: Astronomy
Inertial navigation

Cell biology

USE: **Cytology**

Cell constituents

NT: Cell membranes
Cell organelles
Cell walls
Chromosomes
Cytoplasm
Nuclei
RT: Cell division
Cell morphology
Cells
Cytology
Histochemistry

Cell counters

BT: Counters
NT: Flow cytometry

RT: Cells

Cell culture

BT: Laboratory culture
RT: Cells
Culture media
Phytoplankton culture
Proliferation
Tissue culture

Cell differentiation

UF: Differentiation (cells)
RT: Cell morphology
Cells
Cytology

Cell division

UF: Nuclear division
BT: Reproduction
NT: Meiosis
Mitosis
RT: Cell constituents
Cell fusion
Cells
Cytology

Cell flagella

USE: **Cell organelles**

Cell fusion

RT: Cell division
Cells

Cell inclusions

SN: Any non living material
present in the cytoplasm,
whether organic or inorganic
RT: Cells
Cytoplasm

Cell membranes

UF: Cytoplasmic membranes
Membranes (cells)
Nuclear membranes
Plasma membranes
Plasmalemma
BT: Cell constituents
Membranes
NT: Ion channels
RT: Biological membranes
Cell walls
Cytology
Protoplasts

Cell morphology

BT: Organism morphology
RT: Cell constituents
Cell differentiation
Cytology

Cell organelles

SN: Specialized part of a cell
having specific functions
UF: Cell flagella
Chondriosomes
Contractile vacuole
Myoneme

Organelles

BT: Cell constituents

NT: Golgi apparatus

Lysosomes

Mitochondria

RT: Cytology

Cell walls

SN: Outermost rigid layer of a
plant cell
BT: Cell constituents
RT: Cell membranes

Cells

NT: Amoebocytes
Blood cells
Neurons
Receptors
Sexual cells
RT: Anatomical structures
Cell constituents
Cell counters
Cell culture
Cell differentiation
Cell division
Cell fusion
Cell inclusions
Chloroplasts
Chromatophores
Clones
Cytology
Extracellular
Histochemistry
Necroses
Phagocytosis
Proliferation
Protoplasts
Tissues
Ultrastructure

Cellular convection

UF: Thermal convection
BT: Convection
RT: Atmospheric boundary layer
Mantle convection
Windrows

Cellulase

USE: **Enzymes**

Cellulose

SN: Before 1982 search
CARBOHYDRATES
BT: Polysaccharides

Cement (building material)

USE: **Concrete**

Cementation

BT: Diagenesis
RT: Clastics
Consolidation
Lithification
Submarine cements

Cements (adhesives)

USE: **Adhesives**

Cements (geology)
USE: **Submarine cements**

Cenozoic

SN: Before 1982 search
CENOZOIC ERA
UF: Caenozoic
BT: Geological time
NT: Quaternary
Tertiary
RT: Phanerozoic

Census

RT: Biological data
Biological sampling
Data collections
Sampling
Stock assessment
Surveys

Central nervous system

UF: CNS
BT: Nervous system
NT: Brain
Ganglia
Spinal cord
RT: Sense organs

Centrifugal force

BT: Forces
RT: Acceleration
Centrifuges
Centripetal force

Centrifugation

BT: Separation
RT: Analytical techniques
Centrifuges
Water filtration
Water purification

Centrifuges

BT: Laboratory equipment
RT: Centrifugal force
Centrifugation
Centripetal force

Centripetal force

BT: Forces
RT: Acceleration
Centrifugal force
Centrifuges

Cephalopod culture

BT: Mollusc culture
NT: Cuttlefish culture
Octopus culture
Squid culture
RT: Cephalopod fisheries

Cephalopod fisheries

UF: Cuttlefish fisheries
Octopus fisheries
Squid fisheries
BT: Mollusc fisheries
RT: Cephalopod culture

Cuttlefish culture
Marine fisheries
Octopus culture
Pot fishing
Squid culture

Cephalothorax

BT: Body regions
RT: Animal appendages
Carapace
Thorax

Ceramics

BT: Materials

Cerium

BT: Lanthanides
RT: Cerium compounds
Cerium isotopes

Cerium compounds

BT: Chemical compounds
RT: Cerium

Cerium isotopes

BT: Isotopes
RT: Cerium

Certification

RT: Ecolabelling
Evaluation
Organic aquaculture
Performance assessment
Quality control
Reliability
Tests

Cesium

USE: **Caesium**

Cetology

BT: Mammalogy
RT: Aquatic mammals
Vocalization behaviour

Chain

RT: Cables
Mooring lines
Ropes

Chalk

BT: Carbonate rocks
RT: Coccoliths

Chambers (one-atmosphere)

USE: **Underwater habitats**

Chandler wobble

RT: Earth rotation
Pole tides

Changes (time)

USE: **Temporal variations**

Changes of state

USE: **Phase changes**

Channel flow

SN: Includes flow through pipes and conduits
UF: Flow in channels
Open channel flow
BT: Fluid flow
RT: Flowmeters
Fluvial transport
Laminar flow
Sediment dynamics
Sediment transport
Turbulent flow
Unidirectional flow

Channels

UF: Water channels
BT: Topographic features
NT: Navigational channels
Rip channels
Seachannels
RT: Canals
Dredgers
Flumes
Fluvial features
Inlets (waterways)
Karst
Rivers
Runnels
Straits
Tidal inlets
Valleys
Water bodies
Water currents

Channels (sound)

USE: **Sound channels**

Chaos theory

BT: Mathematics
RT: Mathematical analysis

Chart datum

BT: Datum levels
RT: Maps

Charting (distributions)

USE: **Mapping**

Charting (environmental conditions)

USE: **Mapping**

Charting (navigational hazards)

USE: **Hydrographic surveying**

Charts (maps)

USE: **Maps**

Check lists

SN: Any relatively extensive list of a group of organisms by species
UF: Species composition
RT: Identification keys

Chelates

UF: Chelating agents
Chelation

RT: Chemical compounds
Haemoglobins
Metals
Organic compounds

Chelating agents
USE: **Chelates**

Chelation
USE: **Chelates**

Chelatometric titration
USE: **Titration**

Chemical activity
USE: **Thermodynamic activity**

Chemical analysis
UF: Chemical assays
BT: Analysis
RT: Chemical composition
Hydrocarbon analysis
Microscopy
Pollution detection
Sediment analysis
Water analysis
Water samples
X-ray spectroscopy

Chemical assays
USE: **Chemical analysis**

Chemical composition
UF: Abundance (chemical)
Chemical constituents
Proximal composition
BT: Composition
NT: Feed composition
Food composition
Major elements
RT: Chemical analysis
Chemical elements
Chemical properties
Chemotaxonomy

Chemical compounds
SN: Use of a more specific term is recommended; consult NTs listed below
NT: Actinide compounds
Alkali metal compounds
Alkaline earth metal compounds
Aluminium compounds
Arsenic compounds
Bismuth compounds
Boron compounds
Cadmium compounds
Carbon compounds
Cerium compounds
Chromium compounds
Cobalt compounds
Copper compounds
Cyanides
Germanium compounds
Gold compounds
Halogen compounds

Hydrogen compounds
Inorganic compounds
Iron compounds
Lead compounds
Manganese compounds
Mercury compounds
Molybdenum compounds
Nickel compounds
Nitrogen compounds
Organic compounds
Oxygen compounds
Phosphorus compounds
Selenium compounds
Silicon compounds
Silver compounds
Sulphur compounds
Technetium compounds
Tin compounds
Titanium compounds
Tungsten compounds
Uranium compounds
Vanadium compounds
Volatile compounds
Zinc compounds
Zirconium compounds

RT: Antioxidants
Aromatics
Chelates
Disinfectants
Dissolved chemicals
Fixatives
Inorganic acids
Polymers
Salts

Chemical constituents
USE: **Chemical composition**

Chemical contamination
USE: **Chemical pollution**

Chemical control
SN: Use of chemicals to control noxious organisms
UF: Chemocontrol
BT: Control
RT: Antifouling substances
Pest control
Plant control

Chemical cycles
BT: Cycles
NT: Biochemical cycles
Geochemical cycle

Chemical defence
NT: Allelopathy
RT: Allelochemicals
Protective behaviour

Chemical degradation
BT: Degradation
RT: Biochemical cycles
Biogeochemical cycle
Chemical reactions
Corrosion
Electrolysis

Hydrolysis
Sewage treatment
Sludge treatment
Water pollution treatment

Chemical elements
SN: Use of a more specific term is recommended
UF: Elements
Elements (chemical)
NT: Metals
Nonmetals
Rare gases
RT: Alloys
Chemical composition
Dissolved chemicals
Electroanalysis
Isotopes
Major elements
Trace elements

Chemical engineering
BT: Engineering
RT: Petroleum engineering

Chemical equilibrium
UF: Equilibrium constants
BT: Equilibrium
RT: Chemical kinetics
Chemical reactions
Thermodynamic activity
Thermodynamic equilibrium

Chemical extraction
SN: Extraction of fats, enzymes, seaweed products, oils, protein, concentrates, stickwater, etc.
UF: Extraction (chemical)
BT: Separation
RT: Animal oil extraction

Chemical fertilizers
SN: Chemical substances used to fertilize soils or aquatic environment
BT: Fertilizers
RT: Chemical pollutants
Nitrogen compounds
Phosphorus compounds

Chemical fingerprinting
BT: Fingerprinting
RT: Analytical techniques
Chromatographic techniques
Fluorescence spectroscopy
Isotopes

Chemical kinetics
UF: Kinetics of chemical reactions
Reaction kinetics
BT: Kinetics
RT: Catalysts
Chemical equilibrium
Chemical reactions

Chemical limnology

SN: Before 1982 search also
 LIMNOLOGY (CHEMICAL)
 UF: Limnology (chemical)
 BT: Limnology
 RT: Chemical properties
 Estuarine chemistry
 Water analysis

Chemical messengers

USE: **Hormones**

Chemical oceanography

UF: Marine chemistry
 BT: Oceanography
 RT: Chemical properties
 Chemistry
 Estuarine chemistry
 Water analysis

Chemical oxygen demand

BT: Oxygen demand
 RT: Biochemical oxygen demand
 Chemical properties
 Water analysis
 Water quality

Chemical plumes

BT: Plumes
 RT: Chemical pollution
 Chemical spills

Chemical pollutants

SN: Any pollutants of chemical
 origin (organic and inorganic)
 BT: Hazardous materials
 Pollutants
 NT: Endocrine disruptors
 Pesticide residues
 Veterinary drugs residues
 RT: Carcinogens
 Chemical fertilizers
 Chemical pollution
 DDT
 Detergents
 Food contamination
 Industrial wastes
 Paints
 PCB
 Pesticides
 Phenols
 Phthalate esters

Chemical pollution

UF: Chemical contamination
 BT: Pollution
 RT: Agricultural pollution
 Chemical plumes
 Chemical pollutants
 Sediment pollution
 Water pollution

Chemical precipitation

SN: Before 1982 search
 PRECIPITATION
 (CHEMISTRY)
 UF: Precipitation (chemistry)

BT: Separation
 NT: Coprecipitation
 Crystallization
 Flocculation
 RT: Chemical properties
 Chemical reactions
 Coagulants
 Colloids
 Sedimentation
 Solubility
 Supersaturation

Chemical properties

BT: Properties
 NT: Acidity
 Alkalinity
 pH
 Redox potential
 Salinity
 Solubility
 RT: Chemical composition
 Chemical limnology
 Chemical oceanography
 Chemical oxygen demand
 Chemical precipitation
 Chemical reactions
 Chemistry
 Electrical properties
 Electrochemistry
 Luminescence
 Molecular weight
 Physical properties
 Physicochemical properties
 Sediment chemistry
 Thermodynamic properties
 Water properties

Chemical reactions

SN: Use of a more specific term is
 recommended
 UF: Reactions (chemical)
 NT: Amination
 Autolysis
 Carboxylation
 Coagulation
 Corrosion
 Deamination
 Decarboxylation
 Degradation
 Dehydration
 Denitrification
 Depolymerization
 Dissociation
 Electrolysis
 Fermentation
 Halogenation
 Hydrolysis
 Isomerization
 Nitrification
 Nitrogen fixation
 Oxidation
 Photochemical reactions
 Polymerization
 Redox reactions
 Reduction
 RT: Acid mine drainage
 Biochemical phenomena

Buffers
 Catalysts
 Chemical degradation
 Chemical equilibrium
 Chemical kinetics
 Chemical precipitation
 Chemical properties
 Chemiluminescence
 Chemistry
 Electrochemistry
 Ion association
 Ion exchange
 Photosynthesis
 Redox potential
 Specificity
 Thermodynamic activity
 Titration

Chemical receptors

USE: **Chemoreceptors**

Chemical resistance

USE: **Control resistance**

Chemical sediments

SN: Search also AUTHIGENES
 before 1983
 UF: Chemically precipitated
 sediments
 Hydrogenous sediments
 BT: Sediments
 NT: Concretions
 Ferruginous deposits
 Hydrothermal deposits
 Manganese deposits
 Metalliferous sediments
 Nodules
 Phosphate deposits
 Submarine cements
 Sulphide deposits
 RT: Anhydrite
 Authigenic minerals
 Carbonate sediments
 Cherts
 Evaporites
 Mineral deposits
 Organic sediments
 Pelagic sediments
 Siliceous sediments

Chemical speciation

UF: Speciation (chemical)
 RT: Chemistry

Chemical spills

BT: Accidents
 RT: Chemical plumes

Chemical stimuli

UF: Olfactory stimuli
 BT: Stimuli
 RT: Chemoreception
 Chemoreceptors
 Chemotaxis
 Chemotropism
 Olfactory organs

Chemical waste disposal

USE: **Waste disposal**

Chemically precipitated sediments

USE: **Chemical sediments**

Chemicals (fire fighting)

USE: **Fire extinguishers**

Chemiluminescence

BT: Luminescence

RT: Bioluminescence

Chemical reactions

Phosphorescence

Chemisorption

USE: **Sorption**

Chemistry

SN: Use of a more specific term is recommended

NT: Atmospheric chemistry

Biochemistry

Electrochemistry

Geochemistry

Photochemistry

Radiochemistry

Surface chemistry

RT: Chemical oceanography

Chemical properties

Chemical reactions

Chemical speciation

Chemocontrol

USE: **Chemical control**

Chemoreception

SN: Any sensory perception of ions or chemical compounds

RT: Alarm substances

Chemical stimuli

Chemoreceptors

Chemotropism

Olfaction

Sense functions

Chemoreceptors

UF: Chemical receptors

BT: Sense organs

RT: Chemical stimuli

Chemoreception

Olfactory organs

Taste organs

Chemosynthesis

RT: Biosynthesis

Nutrients (mineral)

Photosynthesis

Chemotaxis

BT: Taxis

RT: Chemical stimuli

Chemotropism

Olfactory organs

Chemotaxonomy

SN: The classification of organisms on the basis of the distribution and composition of their chemical substances

UF: Molecular taxonomy

BT: Taxonomy

RT: Chemical composition

DNA

Chemotropism

BT: Tropism

RT: Chemical stimuli

Chemoreception

Chemotaxis

Chenier plains

BT: Coastal landforms

RT: Cheniers

Cheniers

BT: Beach ridges

RT: Chenier plains

Wetlands

Chertification

RT: Cherts

Diagenesis

Metasomatism

Silicification

Cherts

BT: Siliceous rocks

RT: Chemical sediments

Chertification

Concretions

Nodules

Silica

Chi square test

USE: **Statistical analysis**

Chicken-fish culture

USE: **Agropisciculture**

Children

RT: Juveniles

Offspring

Progeny

Public health

Chilled fishery products

USE: **Chilled products**

Chilled products

UF: Chilled fishery products

BT: Processed fishery products

RT: Chilling storage

Frozen products

Refrigeration

Chilling storage

BT: Cold storage

RT: Chilled products

Refrigeration

Chimaeras fisheries

USE: **Shark fisheries**

Chitin

BT: Mucopolysaccharides

RT: Carapace

Chitosan

Cuticles

Exoskeleton

Glucosamine

Chitosan

RT: Chitin

Chloric acid

BT: Inorganic acids

RT: Chlorine compounds

Fluorine compounds

Chlorides

BT: Chlorine compounds

NT: Ammonium chloride

Sodium chloride

RT: Halides

Chlorinated hydrocarbons

BT: Halogenated hydrocarbons

NT: Aldrin

Chloroform

DDE

DDT

Dieldrin

Dioxins

Furans

Lindane

Trichloroethylene

RT: Bleaching wastes

Pesticides

Chlorination

SN: Sterilization of water with chlorine or chlorine compounds

UF: Chlorinators

BT: Halogenation

RT: Chlorine

Dechlorination

Disinfection

Sewage treatment

Water purification

Chlorinators

USE: **Chlorination**

Chlorine

BT: Halogens

RT: Chlorination

Chlorine compounds

Chlorine isotopes

Dechlorination

Disinfectants

Chlorine compounds

BT: Halogen compounds

NT: Chlorides

RT: Brines

Chloric acid

Chlorine

Chlorinity	Chorology	RT: Chromite
Dissolved salts	USE: Biogeography	Chromium compounds
Fluorine compounds	Christmas trees	Chromium isotopes
Organic compounds	USE: Wellheads	Heavy minerals
Chlorine isotopes	Chromatic adaptations	Chromium compounds
BT: Isotopes	BT: Adaptations	BT: Chemical compounds
RT: Chlorine	RT: Chromatic behaviour	RT: Chromium
Chlorinity	Chromatic pigments	Chromium isotopes
SN: Measured chemical value of the amount of chloride in sea water	Colour	BT: Isotopes
BT: Salinity	Chromatic behaviour	RT: Chromium
RT: Chlorine compounds	BT: Behaviour	Chromosome markers
Chlorosity	RT: Chromatic adaptations	USE: Genetic markers
Fluorine compounds	Chromatic pigments	Chromosome mutations
Water density	Chromatophores	USE: Mutations
Chlorite	Light effects	Chromosome numbers
BT: Clay minerals	Protective behaviour	USE: Chromosomes
RT: Slates	Chromatic pigments	Chromosomes
Chloroform	BT: Pigments	UF: Chromosome numbers
BT: Chlorinated hydrocarbons	NT: Carotenoids	Karyomites
RT: Methane	RT: Albinism	BT: Cell constituents
Chlorophylls	Chromatic adaptations	NT: Genes
BT: Photosynthetic pigments	Chromatic behaviour	RT: Diploids
RT: Chloroplasts	Chromatophores	Genetic markers
Ocean colour	Colour	Genomes
Porphyrins	Discolouration	Haploids
Chloroplasts	Chromatographic analysis	Histones
RT: Cells	USE: Chromatographic techniques	Karyology
Chlorophylls	Chromatographic techniques	Karyotypes
Chromatophores	UF: Chromatographic analysis	Meiosis
Photosynthetic pigments	Chromatography	Microsatellites
Chlorosity	BT: Analytical techniques	Mitosis
SN: Chlorinity in grams/litre	NT: Gas chromatography	Mutations
BT: Salinity	RT: Adsorption	Ploidy
RT: Chlorinity	Chemical fingerprinting	Polyploids
Water density	Colorimetric techniques	Sex determination
Cholesterol	HPLC	Chronometers
BT: Sterols	Light absorption	UF: Clocks
RT: Blood cells	Spectroscopic techniques	Time measuring equipment
Choline	Chromatography	Timing devices
BT: Alcohols	USE: Chromatographic techniques	BT: Measuring devices
RT: Lipids	Chromatophores	RT: Geochronometry
Cholinesterase inhibitors	UF: Erytrophores	Chronostratigraphy
UF: Anticholinesterases	Melanophores	BT: Stratigraphy
BT: Enzyme inhibitors	Xanthophores	Ciguatera
RT: Muscles	RT: Cells	BT: Human diseases
Cholocalciferol	Chloroplasts	RT: Ciguatoxin
USE: Vitamin D	Chromatic behaviour	Poisonous fish
Chondriosomes	Chromatic pigments	Ciguatoxin
USE: Cell organelles	Chromite	BT: Biological poisons
Chordate zoology	BT: Oxide minerals	RT: Ciguatera
USE: Vertebrate zoology	RT: Chromium	Poisonous fish
	Placers	Cilia
	Chromium	BT: Animal appendages
	BT: Heavy metals	RT: Flagella
	Transition elements	Locomotion

Circadian rhythms

SN: Pertaining to 24-hour biological cycle
 UF: Diurnal rhythms
 BT: Biological rhythms
 RT: Diurnal variations
 Moon phases
 Photoperiods
 Phototropism

Circulation

SN: Use of a more specific term is recommended
 NT: Atmospheric circulation
 Blood circulation
 Water circulation
 RT: Advection

Circulatory system

UF: Vascular system
 BT: Anatomical structures
 NT: Blood vessels
 Heart
 RT: Blood
 Blood circulation
 Blood pressure

Citizen participation

USE: **User participation**

Citizen science

USE: **User participation**

Citrates

BT: Carboxylic acid salts

Civil engineering

BT: Engineering
 RT: Coastal engineering
 Grouting

Cladistics

BT: Classification
 RT: Taxonomy

Clam culture

SN: Before 1982 search
 MOLLUSC CULTURE
 BT: Bivalve culture
 RT: Clam fisheries
 Spat

Clam fisheries

UF: Arkshell fisheries
 Cockle fisheries
 Quahog fisheries
 BT: Mollusc fisheries
 RT: Clam culture

Clapotis

USE: **Standing waves**

Classification

NT: Cladistics
 Optical classification
 Taxonomy
 RT: Blackwater rivers

Classification systems

Clearwater rivers
 Whitewater rivers

Classification (biological)

USE: **Taxonomy**

Classification systems

SN: Systems for classification of inanimate objects or ecological or biological attributes of organisms
 RT: Classification

Clastic deposits

USE: **Clastics**

Clastic rocks

USE: **Clastics**

Clastic sediments

USE: **Clastics**

Clastics

SN: Before 1982 search
 CLASTIC SEDIMENTS

UF: Clastic deposits
 Clastic rocks
 Clastic sediments

BT: Sediments

NT: Arenites

Bentonite

Boulders

Breccia

Clays

Cobblestone

Contourites

Flysch

Gravel

Marlstone

Mud

Mudstone

Pebbles

Sand

Sandstone

Shale

Shingle

Silt

Siltstone

Turbidites

RT: Alluvial deposits

Boulder clay

Cementation

Detrital deposits

Eolian deposits

Glacial deposits

Radiolarite

Tephra

Terrigenous sediments

Clay minerals

BT: Silicate minerals

NT: Chlorite

Illite

Kaolin

Kaolinite

Montmorillonite

Nontronite

Palygorskite

Saponite

Smectite

Vermiculite

RT: Bauxite

Clays

Clay soils

USE: **Clays**

Clays

UF: Clay soils

BT: Clastics

NT: Colloidal clay

Pelagic clay

RT: Argillaceous deposits

Clay minerals

Kaolin

Marl

Mud

Sediment load

Clean Water Act

SN: The title for the legislation should be entered in the Identifiers field

USE: **Legislation**

Cleaning

NT: Tank cleaning

RT: Piggings

Cleaning behaviour

BT: Behaviour

RT: Symbiosis

Clear air turbulence

USE: **Atmospheric turbulence**

Clear water rivers

USE: **Clearwater rivers**

Clearwater rivers

SN: Clearwater rivers are mostly found in the highlands and have a higher pH and tend to have some dissolved minerals, making the waters harder than both blackwater and whitewater rivers

UF: Bluewater rivers

Clear water rivers

BT: Rivers

RT: Blackwater rivers

Classification

River water

Sediment transport

Water colour

Whitewater rivers

Cliffs

BT: Coastal landforms

RT: Caves

Fault scarps

Wave-cut platforms

Climate

NT: Hydroclimate
 Palaeoclimate
 Weather
 RT: Climate prediction
 Climatic changes
 Climatic data
 Climatic zones
 Climatology
 Ocean-atmosphere system
 Phenology
 Rainfall
 Seasons
 Solar radiation
 Wave climate
 Winds

Climate prediction

BT: Prediction
 RT: Climate
 Weather forecasting

Climatic changes

NT: Global warming
 RT: Air pollution
 Atmospheric chemistry
 Climate
 Climatology
 Deglaciation
 Earth rotation
 Eustatic changes
 Glaciation
 Greenhouse effect
 Long-term changes
 Mass extinctions
 Palaeoclimate
 Palaeotemperature
 Sea level changes
 Solar-terrestrial activity
 Solar constant
 Uncertainty

Climatic data

UF: Climatological data
 BT: Meteorological data
 RT: Climate
 Climatological charts
 Climatology

Climatic maps

USE: **Climatological charts**

Climatic zones

SN: Mainly related to hydroclimate
 NT: Polar zones
 Subtropical zones
 Temperate zones
 RT: Arid environments
 Climate
 Climatology
 Seasons

Climatological charts

UF: Climatic maps
 BT: Maps
 RT: Climatic data

Oceanographic atlases
 Wave climate
 Wind roses

Climatological data

USE: **Climatic data**

Climatologists

USE: **Meteorologists**

Climatology

BT: Atmospheric sciences
 NT: Bioclimatology
 Palaeoclimatology
 RT: Climate
 Climatic changes
 Climatic data
 Climatic zones
 Ecosystem services
 Geography
 Phenology
 Seasons
 Winds

Climax community

SN: A stable community by climax formation as consequence of a successional series of ecological changes
 RT: Aquatic communities
 Community composition
 Community structure
 Dominant species
 Ecological associations
 Ecological succession
 Species diversity

Clines

NT: Ecoclines
 Geoclines
 RT: Halocline
 Lysocline
 Thermocline

Clinoptilonite

BT: Zeolites

Cloaca

RT: Intestines
 Urinary system

Clocks

USE: **Chronometers**

Clones

SN: Groups of organisms genetically identical
 RT: Asexual reproduction
 Cells
 Cloning
 Genetics
 Parthenogenesis

Cloning

RT: Asexual reproduction
 Clones

Closed recirculating systems
 USE: **Recirculating systems**

Closed seasons

USE: **Season regulations**

Closure approximation

BT: Approximation

Cloud cover

UF: Cloudiness
 RT: Clouds
 Insolation
 Solar radiation
 Terrestrial radiation
 Weather

Cloud height

BT: Height
 RT: Clouds

Cloud physics

BT: Atmospheric physics
 RT: Clouds

Cloudiness

USE: **Cloud cover**

Clouds

UF: Cumulus
 BT: Hydrometeors
 NT: Fog
 RT: Atmospheric precipitations
 Cloud cover
 Cloud height
 Cloud physics
 Weather

Clupeoid fisheries

UF: Anchovy fisheries
 Herring fisheries
 Pilchard fisheries
 Sardine fisheries
 Sardinella fisheries
 Sprat fisheries
 BT: Finfish fisheries
 RT: Bait fisheries
 Coastal fisheries

Clutch

UF: Clutch size
 RT: Bird eggs
 Hatching
 Nesting
 Nests

Clutch size

USE: **Clutch**

Cnoidal waves

BT: Shallow water waves
 RT: Surface gravity waves

CNS

USE: **Central nervous system**

Co-management

SN: The practice of managing something jointly (e.g. between Government and community)
 UF: Co-management
 BT: Management
 RT: Participatory approach
 Planning

Coagulants

UF: Coagulators
 BT: Agents
 RT: Anticoagulants
 Chemical precipitation
 Coagulation
 Drugs

Coagulation

BT: Chemical reactions
 RT: Biochemical oxygen demand
 Coagulants
 Flotation
 Water treatment

Coagulators

USE: **Coagulants**

Coal

BT: Fossil fuels

Coamplitude lines

USE: **Isopleths**

Coarse fish

SN: Freshwater fish not belonging to the family Salmonidae
 BT: Freshwater fish

Coast accretion

USE: **Progradation**

Coast defences

SN: Before 1982 search also COASTAL STRUCTURES
 BT: Coastal structures
 NT: Breakwaters
 Groynes
 Sea walls
 Storm surge barriers
 RT: Beach erosion
 Coastal engineering
 Coastal zone
 Coastal zone management
 Shore protection

Coast effect

RT: Electrical exploration
 Gravity exploration
 Magnetic exploration
 Magnetotelluric methods
 Telluric currents

Coast protection

USE: **Shore protection**

Coastal aquaculture

USE: **Marine aquaculture**

Coastal aquifers

BT: Aquifers
 RT: Ground water
 Groundwater pollution
 Saline intrusion
 Water resources

Coastal atmospheric fronts

SN: These weather fronts typically develop in coastal waters or within 100–200 km of the coast during the cooler half of the year when the land is cold relative to the ocean
 UF: Coastal fronts (meteorological)
 Coastal weather fronts
 Meteorological weather fronts
 BT: Atmospheric fronts
 RT: Coastal fronts

Coastal boundary layer

BT: Boundary layers
 RT: Coastal jets
 Lake dynamics
 Nearshore dynamics

Coastal circulation

USE: **Shelf dynamics**

Coastal countercurrents

BT: Countercurrents
 RT: Coastal currents
 Coastal upwelling
 Shelf dynamics
 Undercurrents

Coastal countries

USE: **Coastal states**

Coastal currents

BT: Water currents
 RT: Coastal countercurrents
 Coastal oceanography
 Nearshore currents
 Upwelling
 Wind-driven currents

Coastal currents (littoral)

USE: **Nearshore currents**

Coastal dunes

USE: **Dunes**

Coastal engineering

BT: Engineering
 RT: Civil engineering
 Coast defences
 Coastal structures
 Coastal zone management
 Geotechnology
 Marine technology
 River engineering
 Shore protection
 Structural engineering

Coastal environment

USE: **Coastal zone**

Coastal erosion

UF: Shoreline erosion
 BT: Erosion
 NT: Beach erosion
 RT: Breakwaters
 Coastal landforms
 Coastal zone
 Coasts
 Deltas
 Land reclamation
 Retrogradation
 Sediment transport
 Shore protection

Coastal erosion features

USE: **Erosion features**

Coastal fisheries

BT: Fisheries
 RT: Artisanal fisheries
 Artisanal fishing
 Clupeoid fisheries
 Crustacean fisheries
 Echinoderm fisheries
 Estuarine fisheries
 Fishing barriers
 Lake fisheries
 Marine fisheries
 Percoid fisheries
 Scallop fisheries

Coastal fronts

SN: Coastal ocean fronts are boundaries between water masses with dissimilar properties. They include Shelf edge fronts (formed at the edges of continental shelves); Shallow-sea fronts or Tidal fronts (formed in shallow seas where well-stratified offshore waters meet with coastal waters which are well-mixed), and Estuarine fronts (formed near river mouths, at the meeting of diluted waters and coastal full salinity waters)
 UF: Coastal fronts (oceanographic)
 BT: Fronts
 NT: Estuarine fronts
 Shelf edge fronts
 Tidal fronts
 RT: Benthic fronts
 Coastal atmospheric fronts
 Plumes
 Upwelling

Coastal fronts (meteorological)

USE: **Coastal atmospheric fronts**

Coastal fronts (oceanographic)

USE: **Coastal fronts**

ASFA THESAURUS

Coastal geodesy

BT: Geodesy
RT: Marine geodesy

Coastal inlets

UF: Creeks
Voes
BT: Coastal landforms
Coastal waters
NT: Bays
Drowned valleys
Estuaries
Fjords
Inlets (waterways)
Tidal inlets
RT: Coastal lagoons
Coastal oceanography
Coastal zone
Coasts

Coastal jets

BT: Jets
RT: Coastal boundary layer
Lake currents
Lake dynamics
Longshore currents
Nearshore dynamics
Shelf dynamics

Coastal lagoons

UF: Haff
BT: Lagoons
RT: Barrier islands
Barrier spits
Brackishwater ecology
Brackishwater environment
Coastal inlets
Coastal waters
Sabkhas

Coastal landforms

UF: Coastal topographic features
Shoreline features
BT: Landforms
NT: Barrier islands
Beaches
Caves
Chenier plains
Cliffs
Coastal inlets
Deltas
Headlands
Palaeoshorelines
Rocky shores
Stacks
Tidal flats
RT: Coastal erosion
Coastal morphology
Drowned valleys

Coastal marshes

SN: Coastal marshes can be tidal marshes or non-tidal marshes; they can be fresh water, saline or brackish
BT: Marshes
RT: Salt marshes

Tidal marshes

Coastal morphology

UF: Morphology (coastal)
BT: Geomorphology
NT: Beach morphology
RT: Coastal landforms
Lake shores
Progradation
Retrogradation

Coastal nations

USE: **Coastal states**

Coastal oceanography

UF: Nearshore oceanography
BT: Oceanography
RT: Coastal currents
Coastal inlets
Coastal waters
Estuarine dynamics
Nearshore currents
Nearshore dynamics
Shelf dynamics

Coastal planning

USE: **Coastal zone management**

Coastal reclamation

USE: **Land reclamation**

Coastal resource management

USE: **Coastal zone management**

Coastal states

UF: Coastal countries
Coastal nations
Littoral states
Sea states (countries)
BT: Countries
RT: Coastal zone
Exclusive economic zone
Extended jurisdiction
Landlocked states
Territorial waters

Coastal structures

BT: Hydraulic structures
NT: Coast defences
Piers
Port installations
RT: Barrages
Coastal engineering
Coastal zone management
Design wave
Harbours
Shore protection

Coastal topographic features

USE: **Coastal landforms**

Coastal trapped waves

USE: **Trapped waves**

Coastal upwelling

BT: Upwelling
RT: Coastal countercurrents

Eastern boundary currents
El Nino phenomena
Shelf dynamics
Trade winds

Coastal waters

UF: Inshore waters
BT: Water bodies
NT: Coastal inlets
Straits
RT: Coastal lagoons
Coastal oceanography
Coastal zone
Coasts
Land-based pollution
Littoral zone
Marginal seas
Nearshore dynamics
Shelf dynamics

Coastal weather fronts

USE: **Coastal atmospheric fronts**

Coastal zone

SN: The band of dry land and adjacent ocean space in which land ecology and use directly affect ocean space ecology and use, and vice versa
UF: Coastal environment
Nearshore environment
RT: Beaches
Coast defences
Coastal erosion
Coastal inlets
Coastal states
Coastal waters
Coastal zone management
Coasts
Land-based pollution
Littoral zone
Marine environment
Riparian zone
Tidal flats
Tidal fronts

Coastal zone management

UF: Coastal planning
Coastal resource management
BT: Ecosystem management
NT: Integrated coastal zone management
Shore protection
RT: Coast defences
Coastal engineering
Coastal structures
Coastal zone
Dune stabilization
Ecosystem approach
Lake reclamation
Land management
Land reclamation

Coastguards

RT: Surveillance and enforcement

Coastlines

USE: **Coasts**

Coasts

UF: Coastlines

Sea coast

Seacoast

Shorelines

BT: Landforms

NT: Emergent shorelines

Relict shorelines

Strandlines

Submerged shorelines

RT: Beaches

Coastal erosion

Coastal inlets

Coastal waters

Coastal zone

Deltas

Dunes

Progradation

Regressions

Retrogradation

Rip currents

Riparian environments

Rocky shores

Transgressions

Coating materials

UF: Coatings

Protective coatings

BT: Materials

NT: Paints

Plastic coatings

Primers

RT: Antifouling substances

Coating processes

Fouling control

Coating processes

RT: Coating materials

Corrosion control

Fouling control

Coatings

USE: **Coating materials**

Coaxial cables

BT: Electric cables

RT: Submarine cables

Cobalt

BT: Heavy metals

Transition elements

RT: Cobalt compounds

Cobalt isotopes

Ferromanganese nodules

Cobalt compounds

BT: Chemical compounds

RT: Cobalt

Cobalt isotopes

BT: Isotopes

RT: Cobalt

Cobbles

USE: **Cobblestone**

Cobblestone

UF: Cobbles

BT: Clastics

Sedimentary rocks

RT: Boulders

Rudites

Coccoliths

SN: Minute calcareous plates of algal, protozoan or protist origin

RT: Calcareous ooze

Carbonate sediments

Chalk

Nannofossil ooze

Cockle fisheries

USE: **Clam fisheries**

Cod fisheries

USE: **Gadoid fisheries**

Codends

SN: End part of a trawl net which retains the catch

BT: Fishing nets

RT: Bottom trawls

Gear construction

Mesh selectivity

Midwater trawls

Otter boards

Trawl nets

Trawling

Codes of practice

USE: **Standards**

Codex alimentarius

USE: **Codex standards**

Codex standards

SN: International standards for fish and fishery products

UF: Codex alimentarius

BT: Standards

RT: Fish inspection regulations

Food-chain approach

Processing fishery products

Coefficient of eddy viscosity

USE: **Eddy viscosity coefficient**

Coefficients

NT: Exchange coefficients

RT: Constants

Kurtosis

Ratios

Skewness

Coelom

BT: Body cavities

RT: Amoebocytes

Coelomic fluids

Coelomic fluids

BT: Body fluids

RT: Coelom

Coenobia

USE: **Colonies**

Coenzymes

UF: Glutathione

BT: Enzymes

NT: Cytochromes

RT: Vitamins

Coherent Light Detection and

Rangefinding

USE: **Lidar**

Cohesionless sediments

UF: Non-cohesive sediments

BT: Sediments

RT: Cohesive sediments

Fluidized sediment flow

Grain flow

Gravel

Silt

Turbidity currents

Cohesive sediments

BT: Sediments

RT: Cohesionless sediments

Mud

Shear strength

Soil mechanics

Vane shear testing

Cohort analysis

USE: **Virtual population analysis**

Cohorts

RT: Ecological associations

Cold blooded animals

USE: **Poikilothermy**

Cold branding

SN: Marking fish with liquid nitrogen

UF: Freeze branding

Kryogenic marking

BT: Marking

Cold fronts

USE: **Atmospheric fronts**

Cold resistance

UF: Frost resistance

BT: Biological resistance

RT: Cold shock

Cryobiology

Temperature tolerance

Cold season

BT: Seasons

RT: Air temperature

Water temperature

Winter

Cold shock

BT: Temperature effects
RT: Cold resistance
Heat shock

Cold storage

UF: Refrigeration storage
BT: Storage
NT: Chilling storage
Freezing storage
RT: Fish storage
Refrigeration
Refrigerators

Cold tolerance

USE: **Temperature tolerance**

Cold water diseases

USE: **Peduncle disease**

Cold water masses

BT: Water masses
RT: Temperature sections
Thermal stratification
Water temperature

Coliforms

BT: Bacteria
NT: Faecal coliforms
RT: Indicator species
Manure
Pollution monitoring
Sewage
Water quality

Collagen

BT: Proteins
RT: Connective tissues

Collapse strength

BT: Strength
RT: Deformation
Yield point

Collected papers

UF: Festschriften
Honour volumes
BT: Documents

Collecting devices

SN: Devices for collection of aquatic organisms
NT: Bacteria collecting devices
Benthos collecting devices
Nekton collecting devices
Plankton collecting devices
RT: Biological sampling
Limnological equipment
Oceanographic equipment
Samplers
Sediment traps

Collections

SN: Use of a more specific term is recommended
NT: Biological collections
Data collections

Geological collections
Mineral collections
Museum collections
Sediment collections
RT: Catalogues

Collision avoidance

RT: Collisions
Navigation regulations
Navigational safety
Radar navigation
Traffic management

Collisions

UF: Impacts
BT: Accidents
RT: Collision avoidance
Navigational safety
Ship losses
Sinking

Colloidal clay

BT: Clays
Suspended inorganic matter
RT: Colloids

Colloids

UF: Dispersions (chemical)
NT: Aerosols
Gels
RT: Agar
Body fluids
Chemical precipitation
Colloidal clay
Dialysis
Electrophoresis
Emulsions
Enzymes
Flocculation
Foams
Suspended particulate matter
Turbidity

Colloquia

USE: **Conferences**

Colonies

UF: Coenobia
RT: Colonization
Ecological associations
Gemmules
Introduced species

Colonisation

USE: **Colonization**

Colonization

UF: Colonisation
RT: Biological settlement
Colonies
Ecosystem resilience
Habitat selection
Introduced species
Seeding (aquaculture)
Settling behaviour
Substrate preferences

Color

USE: **Colour**

Coloration

USE: **Colour**

Colorimetric techniques

UF: Colorimetry
BT: Analytical techniques
RT: Chromatographic techniques
Colour
Light measurement
Photometry
Spectroscopic techniques

Colorimetry

USE: **Colorimetric techniques**

Colour

UF: Color
Coloration
BT: Optical properties
NT: Water colour
RT: Chromatic adaptations
Chromatic pigments
Colorimetric techniques
Discolouration
Spectral composition

Columbium

USE: **Niobium**

Comanagement

USE: **Co-management**

Commensalism

BT: Interspecific relationships
RT: Commensals
Epizotes
Parasites
Symbiosis

Commensals

RT: Commensalism
Symbionts

Commerce

RT: Economics
Private sector
Trade

Commercial aquaculture

USE: **Aquaculture enterprises**

Commercial availability

SN: Commercial availability of primary and secondary fishery products
BT: Availability

Commercial exploitation

USE: **Exploitation**

Commercial fisheries

USE: **Fisheries**

ASFA THESAURUS

Commercial fishing

SN: Any activities of fishing or harvesting of aquatic organisms for commercial purposes

BT: Fishing

NT: Foreign fishing

Overfishing

Underfishing

RT: Commercial species

Fishing down aquatic food webs

Fishery industry

Industrial fisheries

Commercial land use

USE: **Land use**

Commercial legislation

SN: Before 1982 search

MARKETING LEGISLATION

UF: Marketing legislation

BT: Legislation

NT: Fish inspection regulations

RT: Pricing

Quality control

Commercial organizations

USE: **Companies**

Commercial species

SN: Animal or vegetal aquatic species of commercial value

UF: Economic species

BT: Species

NT: Underutilized species

RT: Catch composition

Commercial fishing

Commercialization

USE: **Marketing**

Comminuted products

USE: **Minced products**

Commodity statistics

USE: **Industrial products statistics**

Common names

USE: **Vernacular names**

Common property resources

SN: Natural resources held or used by all who choose to do so

UF: Open access resources

Shared resources

BT: Natural resources

RT: Fishing capacity

Common salt

USE: **Sodium chloride**

Communicable diseases

USE: **Infectious diseases**

Communication

NT: Animal communication

Satellite communication

RT: Communication systems

Speech distortion

Communication satellites

BT: Satellites

RT: Satellite communication

Communication systems

SN: Before 1982 search also

COMMUNICATION DEVICES

UF: Telecommunications

NT: Internet

Radio

Social media

Telephone systems

Television systems

Telex

RT: Communication

Diving equipment

Microwaves

Radio buoys

Standard signals

Submarine cables

Telemetry

Communities (ecological)

USE: **Aquatic communities**

Community composition

BT: Composition

RT: Aquatic communities

Biocenosis

Biological surveys

Biota

Climax community

Community structure

Dominant species

Ecological succession

Species diversity

Community diversity

USE: **Species diversity**

Community fishery networks

USE: **Community fishing**

Community fishing

SN: A fishing activity exerted in public or communal waters generally designed to meet community needs

UF: Community fishery networks

Community fishing (local food security)

Community supported fishing

BT: Fishing

RT: Fishery industry

Fishery institutions

Fishing communities

Food security

Community fishing (local food security)

USE: **Community fishing**

Community fishing (recreational)

USE: **Sport fishing**

Community involvement

USE: **User participation**

Community participation

USE: **User participation**

Community planning

BT: Planning

RT: User participation

Community structure

RT: Aquatic communities

Biodiversity

Biometrics

Climax community

Community composition

Species diversity

Community supported fishing

USE: **Community fishing**

Compaction

BT: Diagenesis

RT: Bearing capacity

Consolidation

Lithification

Porosity

Settlement (structural)

Soil mechanics

Companies

UF: Commercial organizations

BT: Organizations

Comparative studies

RT: Cost analysis

Compartmental models

USE: **Mathematical models**

Compasses

UF: Magnetic compasses

BT: Direction indicators

Measuring devices

Navigational aids

NT: Gyrocompasses

RT: Surveying

Compensation depth

SN: Zone in aquatic environment where just enough light penetrates for the rate of photosynthesis to equal the rate of respiration

UF: Compensation level

NT: Carbonate compensation depth

RT: Aerobic respiration

Euphotic zone

Light penetration

Photosynthesis

Primary production

Compensation depth (carbonate)
USE: **Carbonate compensation depth**

Compensation depth (isostasy)
USE: **Isostasy**

Compensation depth (oceans)
USE: **Carbonate compensation depth**

Compensation level
USE: **Compensation depth**

Competition
UF: Biological competition
BT: Interspecific relationships
RT: Associated species
Biotic pressure
Competitive behaviour
Competitors
Dominance hierarchies
Food availability
Natural selection
Overcrowding
Prey selection

Competitive behaviour
BT: Behaviour
RT: Competition
Competitors
Home range
Territoriality

Competitors
RT: Competition
Competitive behaviour
Predators

Completion (well)
USE: **Well completion**

Complex lipids
UF: Glycolipids
Phospholipids
Sphingolipids
BT: Lipids
RT: Bioactive compounds

Compliant platforms
USE: **Guyed towers**

Compliant towers
USE: **Guyed towers**

Components
RT: Equipment
Materials

Composite cultures
USE: **Polyculture**

Composite materials
BT: Materials

Composition
SN: The nature of the elements present in a substance or organism and the proportion in which they occur. Use of a more specific term is recommended
NT: Biochemical composition
Chemical composition
Community composition
Mineral composition
Sediment composition
RT: Major constituents

Compost
USE: **Composts**

Composting
RT: Composts
Degradation
Manure
Waste disposal
Wastes

Composts
UF: Compost
BT: Organic fertilizers
RT: Composting
Humus
Manure

Compound eyes
BT: Eyes

Compounds (organic)
USE: **Organic compounds**

Compressed gas
BT: Gases
RT: Compressors

Compressibility
BT: Mechanical properties
RT: Bulk modulus
Compression
Elasticity
Plasticity
Porosity

Compression
BT: Stress (mechanics)
RT: Compressibility
Deformation
Lithification
Pressure

Compression chambers
USE: **Decompression chambers**

Compression tables
USE: **Decompression tables**

Compressional wave velocities
BT: Seismic velocities
RT: P-waves

Compressional waves (seismic)
USE: **P-waves**

Compressive strength
BT: Strength
RT: Poisson's ratio

Compressors
UF: Air compressors
RT: Compressed gas
Diving equipment

Computation
RT: Computer programs
Mathematics
Models

Computed tomography
USE: **Tomography**

Computer aided cartography
USE: **Automated cartography**

Computer models
USE: **Mathematical models**

Computer programmes
USE: **Computer programs**

Computer programs
SN: Before 1986 search also
COMPUTER PROGRAMMES
UF: Computer programmes
RT: Algorithms
Artificial intelligence
Computation
Computers
Data processing
Linear programming
Numerical analysis
System analysis

Computerized axial tomography
USE: **Tomography**

Computers
SN: Before 1985 search also
MINICOMPUTERS
UF: Microcomputers
Minicomputers
Shipboard computers
BT: Electronic equipment
RT: Automation
Computer programs
Data processing
Data storage
Internet
Microprocessors
Robots

Concessions
SN: Use only for rights to exploit or explore for mineral resources
UF: Mineral rights
BT: Licences
RT: Mineral exploration

ASFA THESAURUS

- Mining legislation
- Oil and gas exploration
- Oil and gas legislation
- Conch culture**
 - SN: Before 2016 search
 - MOLLUSC CULTURE
 - BT: Gastropod culture
- Conch fisheries
 - USE: **Gastropod fisheries**
- Conchology**
 - SN: The branch of zoology dealing with shells of animals (molluscs, brachiopods, etc.)
 - BT: Zoology
 - RT: Malacology
 - Shells
- Concrete**
 - UF: Cement (building material)
 - BT: Construction materials
 - NT: Prestressed concrete
 - Reinforced concrete
 - RT: Concrete structures
- Concrete platforms
 - USE: **Concrete structures**
- Concrete structures**
 - SN: Before 1986 search also
 - CONCRETE PLATFORMS
 - UF: Concrete platforms
 - BT: Structures
 - RT: Concrete
 - Offshore structures
 - Steel structures
- Concretions**
 - SN: Use only for mineral deposits formed within sediments
 - UF: Crusts (rocks)
 - Encrustations
 - BT: Chemical sediments
 - RT: Cherts
 - Nodules
 - Ooids
 - Oolites
 - Sedimentary structures
- Condensate fields
 - USE: **Gas condensate fields**
- Condensation**
 - BT: Phase changes
 - RT: Dew point
 - Evaporation
 - Hydrometeors
 - Saturation
 - Sublimation
 - Vaporization heat
 - Vapour pressure
 - Water vapour
- Condition factor**
 - UF: Ponderal index
- BT: Population factors
- RT: Body conditions
- Growth
- Length-weight relationships
- Conductance (electrical)
 - USE: **Electrical conductivity**
- Conduction (heat)
 - USE: **Heat conduction**
- Conductive heat transfer
 - USE: **Heat conduction**
- Conductivity-temperature-depth observations
 - USE: **CTD observations**
- Conductivity-temperature-depth profilers
 - USE: **CTD profilers**
- Conductivity-temperature depth profilers
 - USE: **CTD profilers**
- Conductivity (electrical)
 - USE: **Electrical conductivity**
- Conductivity (thermal)
 - USE: **Thermal conductivity**
- Conductivity probes
 - USE: **Conductivity sensors**
- Conductivity ratio**
 - BT: Ratios
 - RT: Electrical conductivity
- Conductivity sensors**
 - UF: Conductivity probes
 - Electrical conductivity sensors
 - BT: Sensors
 - RT: CTD profilers
 - Electrical conductivity
 - Salinity measuring equipment
 - STD profilers
- Conferences**
 - SN: Use only to index the monographic entry for bound proceedings, and general reports on meetings; do not use for individual (analytic) conference papers
 - UF: Colloquia
 - Meetings
 - Proceedings
 - Seminars
 - Symposia
 - Workshops
 - RT: Exhibitions
 - Lectures
 - Organizations
- Configuration
 - USE: **Shape**
- Conflict of interests
 - USE: **Disputes**
- Conflicts
 - USE: **Disputes**
- Conglomerates**
 - RT: Breccia
 - Calcrete
 - Kimberlites
- Conidia**
 - SN: Asexually formed spores produced by fungi
 - BT: Spores
 - RT: Asexual reproduction
 - Fungi
- Conjugation**
 - RT: Sexual reproduction
- Connecting**
 - UF: Coupling (joining components)
 - Tie-in
 - RT: Connectors
 - Pipeline construction
- Connective tissues**
 - BT: Tissues
 - NT: Cartilage
 - RT: Blood
 - Blood vessels
 - Bones
 - Collagen
 - Musculoskeletal system
 - Nerves
- Connectors**
 - UF: Couplings (components)
 - Underwater connectors
 - RT: Connecting
 - Electric cables
 - Manifolds
- Conservation**
 - SN: Conservation of nature and resources. Use of a more specific term is recommended
 - UF: Stream conservation
 - NT: Nature conservation
 - Resource conservation
 - Soil conservation
 - Water conservation
 - RT: Conservation principles
 - Depletion
 - Ecosystem approach
 - Environmental legislation
 - Environmental protection
 - Reclamation
 - Vulnerable marine ecosystems
- Conservation (fishery products)
 - USE: **Processing fishery products**

Conservation (organisms)

USE: **Fixation**

Conservation equations

BT: Equations

RT: Diffusion

Equation of continuity

Conservation of angular momentum

BT: Conservation of momentum

RT: Angular momentum

Conservation of vorticity

Conservation of energy

BT: Conservation principles

RT: Energy

Conservation of heat

BT: Conservation principles

RT: Heat

Heat transport

Conservation of mass

BT: Conservation principles

RT: Equation of continuity

Mass

Conservation of momentum

UF: Momentum conservation

BT: Conservation principles

NT: Conservation of angular momentum

RT: Momentum

Conservation of salt

BT: Conservation principles

RT: Salt advection

Salt budget

Salts

Water exchange

Conservation of volume

USE: **Equation of continuity**

Conservation of vorticity

BT: Conservation principles

RT: Absolute vorticity

Barotropic mode

Conservation of angular momentum

Mesoscale eddies

Conservation principles

NT: Conservation of energy

Conservation of heat

Conservation of mass

Conservation of momentum

Conservation of salt

Conservation of vorticity

RT: Conservation

Conservative properties

BT: Properties

RT: Enthalpy

Non-conservative properties

Salinity

Water masses

Consolidation

BT: Diagenesis

RT: Cementation

Compaction

Lithification

Soil mechanics

Constants

NT: Association constants

Elastic constants

Solar constant

Stability constants

RT: Coefficients

Ratios

Construction

UF: Assembling

NT: Installation

Pipeline construction

RT: Construction materials

Construction materials

BT: Materials

NT: Concrete

RT: Construction

Fibre glass

Consultants

BT: Personnel

RT: Experts

Scientific personnel

Consumer protection

UF: Consumer safety

BT: Health and safety

RT: Consumers

Food-chain approach

Food contamination

Food safety

Water quality

Water supply

Water treatment

Consumer safety

USE: **Consumer protection**

Consumers

UF: Purchasers

RT: Consumer protection

Purchasing

Consumption

USE: **Food consumption**

Contagious diseases

USE: **Infectious diseases**

Container ports

USE: **Ferry terminals**

Container ships

BT: Merchant ships

RT: Cargo handling

Containers

UF: Boxes

Cans

Packages

NT: Tanks

RT: Cargo handling

Containment

BT: Pollution control

RT: Barrages

Barriers

Oil slicks

Oil spills

Contaminants (food)

USE: **Food contamination**

Contaminants (pollution)

USE: **Pollutants**

Contamination (food)

USE: **Food contamination**

Contamination (internal)

USE: **Radionuclide kinetics**

Contamination (pollutants)

USE: **Pollution**

Contamination (radioactive)

USE: **Radioactive contamination**

Contamination of samples

USE: **Sample contamination**

Contiguous fishing zones

USE: **Contiguous zones**

Contiguous zones

SN: Offshore area claimed by a nation for exclusive fishing rights

UF: Contiguous fishing zones

BT: Ocean space

RT: Exclusive economic zone

Fishery boundaries

Fishing rights

Territorial waters

Continental aerosols

USE: **Aerosols**

Continental borderland

USE: **Continental margins**

Continental crust

BT: Earth crust

RT: Continents

Cratons

Obduction

Oceanic crust

Oceanization

Sial

Continental drift

UF: Continental migration

Drift (continental)

Wegener hypothesis
RT: Continents
Drift
Earth mantle
Moho
Ocean basins
Palaeoclimate
Palaeomagnetism
Plate tectonics
Polar wandering
Seafloor spreading
Tectonophysics

Continental margins

SN: Before 1994 search also
CONTINENTAL
BORDERLAND
UF: Borderland (continental)
Continental borderland
Margins (continental)
BT: Submarine features
NT: Active margins
Passive margins
RT: Continental rise
Continental shelves
Continental slope
Continents
Cratons
Island arcs
Oceanic trenches

Continental migration
USE: **Continental drift**

Continental nations
USE: **Landlocked states**

Continental ridges

BT: Ridges
Submarine features

Continental rise

UF: Rise (continental)
BT: Submarine features
RT: Abyssal plains
Continental margins
Continental shelves
Continental slope
Contour currents
Nepheloid layer
Ocean floor

Continental shelf
USE: **Continental shelves**

Continental shelf break
USE: **Shelf edge**

Continental shelf edge
USE: **Shelf edge**

Continental shelves

SN: Before 1982 search also
CONTINENTAL SHELF
UF: Continental shelf
BT: Submarine features
NT: Outer continental shelf

RT: Continental margins
Continental rise
Continental slope
Littoral zone
Marine environment
Mud volcanoes
Neritic province
Offshore
Shallow water
Shelf-edge fronts
Shelf dynamics
Shelf edge
Shelf edge fronts
Shelf geology
Shelf seas
Shelf sedimentation
Submarine canyons
Territorial waters

Continental slope

BT: Submarine features
RT: Continental margins
Continental rise
Continental shelves
Continents
Contour currents
Island slope
Marginal basins
Ocean floor
Shelf edge
Slope environment
Slopes (topography)
Slumping
Submarine canyons

Continents

BT: Landforms
RT: Continental crust
Continental drift
Continental margins
Continental slope
Cratons
Earth structure
Epeirogeny
Island arcs

Continuity equation
USE: **Equation of continuity**

Continuous culture

BT: Aquaculture techniques
RT: Aquaria
Batch culture
Culture tanks
Phytoplankton culture
Zooplankton culture

Continuous profilers
USE: **Profilers**

Continuous tracking
USE: **Tracking**

Contour currents

BT: Surface currents
RT: Bed forms
Bottom erosion

Continental rise
Continental slope
Contourites
Nepheloid layer
Topographic effects
Western boundary
undercurrents

Contour feathers
USE: **Feathers**

Contourites

BT: Clastics
RT: Contour currents

Contours

BT: Isopleths
NT: Isobaths
RT: Depth
Profiles
Shape
Topography

Contraception

SN: Use of devices, agents or
procedures which prevent
impregnation or conception
NT: Immunocontraception
RT: Castration
Organ removal
Ovariectomy

Contractile vacuole
USE: **Cell organelles**

Contractors

BT: Personnel
RT: Contracts

Contracts

RT: Contractors

Control

SN: Use of a more specific term is
recommended
UF: Control systems
NT: Biological control
Blowout control
Chemical control
Corrosion control
Depth control
Disease control
Erosion control
Flood control
Fouling control
Parasite control
Pest control
Plant control
Pollution control
Population control
Predator control
Quality control
Remote control
RT: Control resistance
Damping
Monitoring

Control charts

BT: Maps
RT: Critical path method
Quality control

Control resistance

UF: Antibiotic resistance
Chemical resistance
Resistance to chemicals
BT: Biological resistance
NT: Pesticide resistance
RT: Control
Drug resistance

Control systems

USE: **Control**

Controlled conditions

UF: Laboratory conditions
RT: Experimental research
Laboratories
Laboratory culture

Convection

UF: Convective heat transfer
BT: Advection
NT: Atmospheric convection
Cellular convection
Forced convection
Mantle convection
Oceanic convection
RT: Heat transfer
Heat transport
Mass transfer

Convective heat transfer

USE: **Convection**

Convective overturn

USE: **Overturn**

Conventions

USE: **International agreements**

Convergence

NT: Plate convergence
RT: Convergence zones
Divergence
Downwelling
Frontal features
Frontogenesis
Horizontal motion
Langmuir circulation
Oceanic fronts
Tidal fronts

Convergence zones

NT: Atmospheric convergences
Intertropical convergence zone
Oceanic convergences
RT: Advection
Convergence
Divergence zones
Frontal features
Fronts
Water masses

Convergent evolution

USE: **Evolution**

Convergent margins

USE: **Active margins**

Converging plate boundaries

BT: Plate boundaries
RT: Diverging plate boundaries
Island arcs
Oceanic trenches
Plate convergence
Subduction zones

Conversion efficiency

USE: **Food conversion**

Conversion factors

RT: Animal metabolism
Bioenergetics
Conversion tables
Feed efficiency
Oxygen consumption

Conversion tables

UF: Nomograms
BT: Tables
RT: Conversion factors
Meteorological tables
Numerical analysis
Oceanographic tables

Conversion tables (meteorology)

USE: **Meteorological tables**

Convolution

BT: Mathematical analysis
RT: Cross correlation
Deconvolution
Seismic data processing

Cooling

UF: Heat dissipation
BT: Heat transfer
RT: Cooling ponds
Cooling systems
Cooling water
Freezing
Heating

Cooling ponds

BT: Ponds
RT: Cooling
Power plants
Thermal pollution

Cooling systems

RT: Cooling
Open systems

Cooling water

BT: Water
RT: Cooling
Entrainment
Power plants
Thermal pollution

Cooperatives

UF: Fishery cooperatives
RT: Fishery organizations

Coordinate systems

UF: Cartesian coordinates
RT: Geodetic coordinates
Geographical coordinates

Copepod culture

USE: **Crustacean culture**

Copolymerization

USE: **Polymerization**

Copper

BT: Heavy metals
Transition elements
RT: Copper compounds
Ferromanganese nodules
Haemocyanins
Metalliferous sediments

Copper compounds

BT: Chemical compounds
RT: Copper

Coprecipitation

BT: Chemical precipitation
RT: Flocculation

Coral

SN: Before 1982 search also
CORALS
BT: Animal products
RT: Atolls
Calcium compounds
Coral farming
Coral reefs

Coral bleaching

SN: Before 2016 search also
BLEACHING
UF: Bleaching (coral)
Coral reef bleaching
BT: Biological stress
RT: Coral reef conservation
Environmental factors
Stimuli

Coral culture

USE: **Coral farming**

Coral farming

UF: Coral culture
BT: Cultures
RT: Coral
Coral reefs
Marine aquaculture

Coral islands

USE: **Atolls**

Coral reef bleaching

USE: **Coral bleaching**

Coral reef conservation

BT: Nature conservation
RT: Coral bleaching
Coral reefs
Reef fish
Reef fisheries

Coral reef restoration

BT: Environmental restoration
RT: Coral reefs
Reef fish
Reef fisheries

Coral reefs

UF: Reefs (coral)
BT: Biogenic deposits
Reefs
NT: Barrier reefs
Fringing reefs
RT: Atolls
Biogenic sedimentary structures
Bioherms
Carbonate rocks
Cays
Coral
Coral farming
Coral reef conservation
Coral reef restoration
Lagoons
Marine environment
Polyps
Reef fish
Reef fisheries
Tropical fish

Corange charts

USE: **Tidal charts**

Corange lines

USE: **Isopleths**

Core (earth)

USE: **Earth core**

Core analysis

BT: Analysis
Sediment analysis
RT: Core handling
Cores

Core handling

RT: Core analysis
Core recovery
Cores
Coring
Sample storage

Core layer method

RT: Core layers (water)
Outflow waters
T-S diagrams
Water mixing

Core layers (water)

BT: Layers
NT: Oxygen maximum layer
Oxygen minimum layer

Salinity maximum layer
Salinity minimum layer
Temperature maximum layer
Temperature minimum layer
RT: Core layer method
T-S diagrams
Water masses
Water types

Core orientation

UF: Magnetic core orientation
BT: Orientation
RT: Cores
Remanent magnetization

Core recovery

BT: Recovery
RT: Core handling
Cores
Coring

Core samples

USE: **Cores**

Core sampling

USE: **Coring**

Corers

SN: Before 1982 search CORING
DEVICES
UF: Boomerang corers
Coring devices
Free-fall corers
BT: Sediment samplers
NT: Gravity corers
Piston corers
Vibratory corers
RT: Cores
Coring
Drilling equipment
Penetrometers

Cores

UF: Core samples
BT: Sediment samples
RT: Boreholes
Core analysis
Core handling
Core orientation
Core recovery
Corers
Coring

Coring

SN: Bottom sampling and core studies
UF: Core sampling
BT: Sediment sampling
RT: Core handling
Core recovery
Corers
Cores
Drilling
Underwater exploration

Coring devices

USE: **Corers**

Coriolis acceleration

BT: Acceleration
RT: Coriolis force
Coriolis parameters

Coriolis force

BT: Forces (mechanics)
RT: Acceleration
Atmospheric circulation
Coriolis acceleration
Coriolis parameters
Geostrophic equilibrium
Geostrophic flow
Hydrostatic equation
Rossby number
Rotary currents
Vorticity
Water circulation

Coriolis parameters

BT: Parameters
RT: Absolute vorticity
Beta-plane
Beta spirals
Coriolis acceleration
Coriolis force
Ekman spiral
Planetary vorticity
Rossby parameter
Stream functions

Corrections

NT: Gravity corrections
RT: Errors

Correlation

NT: Geological correlation
RT: Correlation analysis

Correlation analysis

UF: Correlation functions
BT: Statistical analysis
NT: Autocorrelation
Cross correlation
RT: Correlation
Numerical taxonomy
Regression analysis
Time series analysis
Variance analysis

Correlation functions

USE: **Correlation analysis**

Correspondence (letters)

USE: **Documents**

Corrosion

UF: Cavitation erosion
Crevice corrosion
Pitting
Rust
BT: Chemical reactions
NT: Cracking (corrosion)
Stress corrosion
RT: Antioxidants
Cavitation

- Chemical degradation
- Corrosion control
- Deterioration
- Electrochemistry
- Electrolysis
- Fatigue (materials)
- Oxidation
- Splash zone
- Weathering
- Corrosion control**
 - UF: Anticorrosion material
 - Corrosion inhibition
 - Corrosion prevention
 - Corrosion protection
 - BT: Control
 - NT: Cathodic protection
 - RT: Antioxidants
 - Coating processes
 - Corrosion
 - Maintenance and repair
 - Shipyards
 - Stainless steel
- Corrosion cracking
 - USE: **Cracking (corrosion)**
- Corrosion inhibition
 - USE: **Corrosion control**
- Corrosion prevention
 - USE: **Corrosion control**
- Corrosion protection
 - USE: **Corrosion control**
- Cosine collectors**
 - BT: Light measuring instruments
 - RT: Irradiance
- Cosmic dust**
 - UF: Dust (cosmic)
 - BT: Dust
 - Extraterrestrial material
 - RT: Eolian dust
 - Sediments
- Cosmic radiation**
 - UF: Cosmic rays
 - BT: Ionizing radiation
- Cosmic rays
 - USE: **Cosmic radiation**
- Cosmic spherules**
 - UF: Magnetic spherules
 - BT: Extraterrestrial material
 - RT: Magnetite
- Cosmopolite species**
 - BT: Species
 - RT: Biogeography
 - Geographical distribution
- Cost-benefit analysis**
 - UF: Cost benefit analysis
 - Cost effective analysis
- Cost effectiveness analysis
 - BT: Analysis
 - RT: Cost analysis
 - Economic benefits
- Cost analysis**
 - SN: Study of costs related to technical and financial operations in aquaculture, commercial fishing, fishing industry, marketing, trade, etc.
 - BT: Analysis
 - RT: Comparative studies
 - Cost-benefit analysis
 - Costs
 - Economic analysis
 - Economic feasibility
 - Market research
 - Pricing
- Cost benefit analysis
 - USE: **Cost-benefit analysis**
- Cost effective analysis
 - USE: **Cost-benefit analysis**
- Cost effectiveness analysis
 - USE: **Cost-benefit analysis**
- Costs**
 - UF: Expenses
 - Prices
 - NT: Labour costs
 - Operational costs
 - Production cost
 - RT: Cost analysis
 - Pricing
 - Purchasing
- Cotidal charts**
 - BT: Tidal charts
 - RT: Cotidal lines
 - Tidal propagation
- Cotidal lines**
 - BT: Isopleths
 - RT: Amphidromic systems
 - Cotidal charts
 - High tide
 - Tidal range
- Couette flow**
 - BT: Laminar flow
 - RT: Shear stress
- Countercurrents**
 - BT: Water currents
 - NT: Coastal countercurrents
 - Equatorial countercurrents
 - RT: Ocean currents
- Counters**
 - SN: Automatic devices for biological and physical counting
 - NT: Bacterial counters
 - Cell counters
 - Egg counters
- Fish counters
- Geiger counters
- Particle counters
- Countries**
 - UF: States (political)
 - NT: Coastal states
 - Developed countries
 - Developing countries
 - Landlocked states
 - RT: Governments
- Coupled bodies**
 - RT: Hydrodynamics
- Coupling (joining components)
 - USE: **Connecting**
- Couplings (components)
 - USE: **Connectors**
- Courtship**
 - RT: Display behaviour
 - Reproductive behaviour
- Crab culture**
 - SN: Before 1982 search
 - CRUSTACEAN CULTURE
 - UF: Brackishwater crab culture
 - Freshwater crab culture
 - Marine crab culture
 - BT: Crustacean culture
 - RT: Polyculture
 - Pond culture
- Crab fisheries**
 - UF: Dungeness crab fisheries
 - Edible crab fisheries
 - King crab fisheries
 - Market crab fisheries
 - Snow crab fisheries
 - Tanner crab fisheries
 - BT: Crustacean fisheries
 - RT: Trap fishing
- Crack propagation**
 - RT: Cracks
 - Deterioration
- Cracking (corrosion)**
 - UF: Corrosion cracking
 - BT: Corrosion
 - RT: Cracks
 - Embrittlement
- Cracks**
 - BT: Defects
 - RT: Crack propagation
 - Cracking (corrosion)
 - Fractures
- Crane barges**
 - BT: Barges
 - RT: Cranes
 - Support ships

Cranes

UF: Derricks
Hoists
BT: Lifting tackle
RT: Cargo handling
Crane barges

Cratons

RT: Continental crust
Continental margins
Continents
Platforms (geology)

Crawfish culture

USE: **Crayfish culture**

Crawlers

USE: **Seabed vehicles**

Crayfish culture

SN: Before 1982 search
CRUSTACEAN CULTURE
UF: Astaciculture
Crawfish culture
Crayfish farming
BT: Crustacean culture
RT: Pond culture
Rice field aquaculture

Crayfish farming

USE: **Crayfish culture**

Crayfish fisheries

USE: **Lobster fisheries**

Credit management

USE: **Financial management**

Creeks

SN: Creek can refer to a stream or minor tributary of a river; a channel in a coastal marsh; a channel in an estuary or a tidal inlet. Use relevant preferred term either Rivers OR Coastal inlets

USE: **Coastal inlets**

Rivers

Creel census

USE: **Sport fishing statistics**

Creep

UF: Solifluction
RT: Deformation
Landslides
Mass movement
Slides
Slope stability
Slumping
Soil mechanics

Cretaceous

SN: Before 1982 search
CRETACEOUS PERIOD
BT: Mesozoic

Crevice corrosion

USE: **Corrosion**

Crew

BT: Personnel

Cristobalite

BT: Oxide minerals
RT: Silica

Critical flow

BT: Fluid flow

Critical path method

BT: Operations research
RT: Control charts
Numerical analysis
PERT
Prediction

Croaker fisheries

USE: **Percoid fisheries**

Crocodile farming

USE: **Reptile culture**

Cross breeding

USE: **Hybrid culture**

Cross correlation

BT: Correlation analysis
RT: Autocorrelation
Convolution

Cross pollination

USE: **Pollination**

Crowding

USE: **Stocking density**

Crude oil

BT: Petroleum
RT: Natural gas
Oil
Oil production
Oil recovery

Crude oil production

USE: **Oil production**

Crude oil treating

USE: **Oil treating**

Cruelty to animals

USE: **Animal welfare**

Cruise programmes

BT: Programmes
RT: Cruises
Research programmes
Research vessels

Cruise reports

SN: Preliminary report on results obtained during a cruise by one research vessel
BT: Data reports

RT: Cruises

Expedition reports
Track charts

Cruise stations

UF: Anchor stations
Expedition stations
BT: Oceanographic stations
RT: Cruises
Track charts

Cruises

SN: Use only for surveys involving one vessel
UF: Expeditions (one vessel)
BT: Expeditions
RT: Cruise programmes
Cruise reports
Cruise stations
Multiship expeditions
Surveys
Track charts

Crust (earth)

USE: **Earth crust**

Crust (ocean)

USE: **Oceanic crust**

Crustacean culture

UF: Copepod culture
BT: Shellfish culture
NT: Brine shrimp culture
Crab culture
Crayfish culture
Lobster culture
Prawn culture
Shrimp culture
RT: Aquatic crustaceans
Brackishwater crustaceans
Cage culture
Crustacean larvae
Freshwater crustaceans
Marine crustaceans
Mass culture
Monoculture
Pond culture
Raceway culture

Crustacean fisheries

BT: Shellfish fisheries
NT: Crab fisheries
Krill fisheries
Lobster fisheries
Shrimp fisheries
Squat lobster fisheries
RT: Aquatic crustaceans
Brackishwater crustaceans
Coastal fisheries
Demersal fisheries
Freshwater crustaceans
Marine crustaceans
River fisheries

Crustacean larvae

BT: Invertebrate larvae
NT: Megalops

Nauplii
Phyllosomae
Zoeae
RT: Crustacean culture
Freshwater crustaceans
Marine crustaceans

Crustaceans (aquatic)
USE: **Aquatic crustaceans**

Crustaceans (brackishwater)
USE: **Brackishwater crustaceans**

Crustaceans (freshwater)
USE: **Freshwater crustaceans**

Crustaceans (marine)
USE: **Marine crustaceans**

Crustal accretion
BT: Accretion
RT: Diverging plate boundaries
Oceanic crust
Plate divergence

Crustal adjustment
NT: Isostasy
RT: Epeirogeny
Plate tectonics

Crustal shortening
BT: Diastrophism
RT: Earth crust
Epeirogeny

Crustal structure
RT: Earth crust

Crustal thickness
BT: Thickness
RT: Earth crust

Crusts (rocks)
USE: **Concretions**

Cryobiology
SN: Low temperature biology
BT: Biology
RT: Cold resistance
Cryoplankton
Physiology
Temperature tolerance

Cryoplankton
SN: Ice- and snow-inhabiting organisms
BT: Plankton
RT: Cryobiology

Cryopreservation
USE: **Freezing storage**

Cryoprotectants
USE: **Freezing storage**

Cryosphere
BT: Hydrosphere

RT: Glaciers
Ice
Ice caps
Ice volume
Permafrost

Cryptic species
SN: Distinct species that are erroneously classified (and hidden) under one species name
BT: Species
RT: Biodiversity
Evolution
Nature conservation
Taxonomy

Crystallization
BT: Chemical precipitation
RT: Solutes
Solvents
Supersaturation

CT scan
USE: **Tomography**

CTD measurements
USE: **CTD observations**

CTD observations
UF: Conductivity-temperature-depth observations
CTD measurements
BT: Hydrographic data
RT: CTD profilers
Finestructure
STD observations

CTD probes
USE: **CTD profilers**

CTD profilers
UF: Conductivity-temperature-depth profilers
Conductivity-temperature depth profilers
CTD probes
CTD sensors
BT: Profilers
RT: Conductivity sensors
CTD observations
Electrical conductivity
Finestructure
Salinity measuring equipment
Salinity profiles
STD profilers
Temperature profiles
Thermometers
Vertical profiles

CTD sensors
USE: **CTD profilers**

Ctenophore blooms
BT: Blooms

Culch
USE: **Cultch**

Culling
SN: Removal or killing of a certain number of animals to maintain a steady population
BT: Population control
RT: Animal welfare
Bioselection
Population number
Resource management

Cultch
SN: Any substrata placed in the environment to attract the attachment of oyster larvae
UF: Culch
Cultch material
BT: Artificial substrata
RT: Larval settlement
Oyster culture
Spat
Substrate preferences

Cultch material
USE: **Cultch**

Culture effects
SN: Effects of aquaculture practice on the ecosystem
BT: Environmental effects
RT: Aquaculture
Biological pollutants

Culture media
SN: Fluid, solid and nutritive media for culture of tissue and organisms
RT: Cell culture
Laboratory culture
Tissue culture

Culture tanks
BT: Tanks
RT: Algal culture
Aquaculture equipment
Batch culture
Continuous culture
Hatcheries
Laboratory culture
Rearing
Recirculating systems

Cultured fish
USE: **Cultured organisms**

Cultured food
USE: **Cultured organisms**

Cultured organisms
UF: Cultured fish
Cultured food
Cultured species
BT: Aquatic organisms
RT: Aquaculture
Aquaculture products
Aquaponics
Domestic species

- Hydroponics
Microbiological culture
Phytoplankton culture
Zooplankton culture
- Cultured species
USE: **Cultured organisms**
- Cultures**
SN: Use of a more specific term is recommended
NT: Algal culture
Coral farming
Fish culture
Frog culture
Plant culture
Reptile culture
Shellfish culture
Sponge culture
Worm culture
Zooplankton culture
RT: Aquaculture
Aquaculture systems
Aquaculture techniques
Experimental culture
Laboratory culture
- Cumulus
USE: **Clouds**
- Cup anemometers
USE: **Anemometers**
- Cured products**
UF: Dried salted products
Marinated products
Smoked products
BT: Processed fishery products
RT: Curing
Dried products
- Curing**
SN: To preserve by salting, drying, smoking, fermentation or a combination of these methods
UF: Salting
Smoking
BT: Processing fishery products
RT: Cured products
Dressing
Drying
- Curium**
BT: Actinides
Transuranic elements
RT: Curium isotopes
- Curium isotopes**
BT: Isotopes
RT: Curium
- Curl (vectors)**
BT: Vectors
NT: Wind stress curl
RT: Vorticity
- Curl of wind stress
USE: **Wind stress curl**
- Current charts**
UF: Tidal current charts
BT: Hydrographic charts
RT: Current direction
Current roses
Current vectors
Current velocity
Streamlines
Tidal charts
Tide tables
Water currents
- Current data**
SN: Data collections obtained by any method of current measurement
UF: Water current data
BT: Hydrographic data
RT: Current direction
Current measurement
Current observations
Current velocity
Oceanographic data
Water currents
- Current density**
BT: Density
RT: Electric currents
- Current direction**
RT: Current charts
Current data
Current roses
Streamlines
Water currents
- Current ellipses**
BT: Hodographs
RT: Rotary currents
- Current forces**
BT: Loads (forces)
RT: Current velocity
Hydrodynamics
Vortex shedding
Water currents
- Current marks**
UF: Flute casts
Sole marks
BT: Bedding structures
NT: Scour marks
- Current meandering**
UF: Meandering (currents)
BT: Meandering
RT: Current rings
Fluid motion
Mesoscale eddies
Mesoscale features
Water currents
- Current meanders
USE: **Current rings**
- Current measurement**
SN: Methods for measuring speed and direction of water currents
UF: Current measuring
Current measuring methods
Velocity measurement (water)
BT: Flow measurement
NT: Eulerian current measurement
Lagrangian current measurement
RT: Current data
Current measuring equipment
Current observations
Current velocity
Photogrammetry
Water currents
- Current measuring
USE: **Current measurement**
- Current measuring equipment**
BT: Flow measuring equipment
NT: Current meters
Current sensors
Drifters
RT: Current measurement
Drogues
GEK
Water currents
- Current measuring methods
USE: **Current measurement**
- Current meter arrays**
BT: Arrays
RT: Current meters
- Current meter data**
BT: Hydrographic data
RT: Current meters
- Current meter moorings**
BT: Mooring systems
RT: Current meters
- Current meter vanes
USE: **Vanes**
- Current meters**
SN: For measurement of water speed and direction only
BT: Current measuring equipment
NT: Acoustic current meters
RT: Current meter arrays
Current meter data
Current meter moorings
Current observations
Current sensors
Flowmeters
Water currents
- Current observations**
UF: Water current observations
RT: Current data
Current measurement
Current meters
Hydrographic data

Current power

SN: Power derived from water currents
 UF: Ocean current energy conversion
 RT: Power from the sea
 Water currents

Current prediction

BT: Prediction
 RT: Water currents

Current profiles

UF: Current speed profiles
 BT: Velocity profiles

Current reversal

RT: Monsoon reversal
 Water currents

Current rings

SN: Oceanic eddies of order 10 kms diameter
 UF: Anticyclonic eddies
 Anticyclonic rings
 Current meanders
 Cyclonic eddies
 Cyclonic rings
 Gulf stream rings
 Meanders (current)
 BT: Oceanic eddies
 RT: Current meandering
 Ocean currents
 Vortices

Current roses

BT: Map graphics
 RT: Current charts
 Current direction
 Current velocity
 Water currents
 Wind roses

Current scouring

UF: Tidal scour
 BT: Scouring
 RT: Bed forms
 Bottom currents
 Bottom erosion
 Flow around objects
 Scour and fill
 Scour hollows
 Scour marks
 Water currents
 Wave scouring

Current sensors

BT: Current measuring equipment
 Sensors
 RT: Current meters
 Flowmeters

Current shear

BT: Shear
 RT: Wind shear

Current spectra

BT: Spectra

Current speed

USE: **Current velocity**

Current speed profiles

USE: **Current profiles**

Current vectors

BT: Vectors
 RT: Current charts
 Current velocity
 Streamlines
 Water currents

Current velocity

UF: Current speed
 BT: Velocity
 NT: Stream flow rate
 RT: Current charts
 Current data
 Current forces
 Current measurement
 Current roses
 Current vectors
 Electric potential
 Flowmeters
 Tide tables
 Velocity microstructure
 Velocity sections
 Volume transport
 Westward intensification

Currents (electric)

USE: **Electric currents**

Currents (water)

USE: **Water currents**

Curricula

SN: Before 1982 search also
 EDUCATION
 UF: Syllabuses
 Training programmes
 RT: Education

Curves (graphs)

USE: **Graphs**

Cusplate forelands

USE: **Headlands**

Customary fishing rights

USE: **Fishing rights**

Cuticles

SN: A layer covering and secreted by the epidermis of plants and many invertebrates
 BT: Exoskeleton
 RT: Chitin
 Transpiration

Cutting

NT: Cutting underwater
 RT: Welding

Cutting underwater

BT: Cutting
 Working underwater
 RT: Welding underwater

Cuttlefish culture

BT: Cephalopod culture
 RT: Cephalopod fisheries

Cuttlefish fisheries

USE: **Cephalopod fisheries**

Cyanides

BT: Chemical compounds
 RT: Carbon compounds
 Nitrogen compounds
 Salts

Cycles

SN: Use of a more specific term is recommended
 UF: Rhythms
 NT: Chemical cycles
 Hydrologic cycle
 Life cycle
 Tidal cycles
 Trophodynamic cycle
 RT: Energy budget
 Food webs
 Moon phases

Cyclic loading

BT: Loads (forces)
 RT: Dynamic loads
 Fatigue (materials)
 Ocean loading
 Periodic variations
 Wave-induced loading
 Wave-seabed interaction

Cyclogenesis

RT: Cyclones

Cyclomorphosis

SN: Seasonal change in morphology displayed by some planktonic animals
 BT: Biopolymorphism
 RT: Defence mechanisms

Cyclones

SN: Use of a more specific term is recommended
 UF: Depressions (meteorology)
 Midlatitude cyclones
 BT: Low pressure systems
 RT: Anticyclones
 Cyclogenesis
 Hurricanes
 Polar fronts
 Winds

Cyclones (tropical)

USE: **Hurricanes**

Cyclonic eddies
USE: **Current rings**

Cyclonic motion
BT: Motion
RT: Anticyclonic motion
Rotation

Cyclonic rings
USE: **Current rings**

Cylinders
RT: Cylindrical structures
Tubing

Cylindrical bodies
USE: **Cylindrical structures**

Cylindrical structures
SN: Before 1986 search also
CYLINDRICAL BODIES
UF: Cylindrical bodies
BT: Structures
RT: Cylinders

Cysteine
BT: Amino acids

Cystine
BT: Amino acids

Cysts
SN: Resistant resting stages
formed by different organisms,
as a response to adverse
environmental conditions
UF: Dormant stages
RT: Encystment

Cytochemistry
BT: Biochemistry
RT: Cytochromes
Cytology
Cytotoxicity

Cytochromes
BT: Coenzymes
RT: Cytochemistry
Oxidation
Proteins

Cytogenetics
SN: Before 1995 search
GENETICS
BT: Genetics
RT: Flow cytometry

Cytokinins
USE: **Phytohormones**

Cytology
UF: Cell biology
BT: Biology
NT: Karyology
RT: Cell constituents
Cell differentiation
Cell division

Cell membranes
Cell morphology
Cell organelles
Cells
Cytochemistry
Cytoplasm
Cytotoxicity
Fixatives
Flow cytometry
Histology
Microscopy

Cytoplasm
UF: Bioplasm
Protoplasm
BT: Cell constituents
RT: Cell inclusions
Cytology
Golgi apparatus
Plastids
Protoplasts
Ribosomes
Yolk

Cytoplasmic membranes
USE: **Cell membranes**

Cytotoxicity
BT: Toxicity
RT: Cytochemistry
Cytology

Daily
BT: Periodicity
RT: Diurnal variations

Daily variation
USE: **Diurnal variations**

Damage
NT: Biological damage
Flood damage
RT: Accidents
Avalanches
Defects
Deterioration
Failures
Fire
Hazards
Maintenance and repair

Damage (biological)
USE: **Biological damage**

Damage assessment
SN: Evaluation of damage or loss
caused by accident or natural
event
RT: Accidents
Disasters
Floods
Hurricanes
Tsunamis

Damping
SN: To artificially reduce
amplitude or physical processes

UF: Suppressing
NT: Evaporation reduction
Noise reduction
Wave damping
RT: Attenuation
Control
Suppressors
Vibration

Damping (water waves)
USE: **Wave damping**

Dams
SN: Fixed structures for the
containment etc. of water in
valleys
BT: Barrages
RT: Backwaters
Fishways
Flood control
Grouting
Impoundments
Pond construction
Ponds
Spillways
Water reservoirs
Weirs

Danger
USE: **Hazards**

Dangerous materials
USE: **Hazardous materials**

Dangerous organisms
SN: Harmful to persons
UF: Harmful microalgae
BT: Aquatic organisms
RT: Biological damage
Diving hazards

Danish seines
USE: **Boat seines**

Data
SN: Use of a more specific term is
recommended
NT: Acoustic data
Biological data
Experimental data
Fishery data
Geological data
Geophysical data
Geotechnical data
Hydrographic data
Limnological data
Meteorological data
Oceanographic data
Pollution data
Temperature data
Wave data
RT: Data acquisition
Data collections
Data loggers
Data processing
Data reports
Data storage

Data acquisition

BT: Acquisition
RT: Data
Data loggers
Data processing
Data storage
Observers
Remote sensing

Data analysis

USE: **Data processing**

Data banks

USE: **Data collections**

Data buoys

UF: Meteorological buoys
Oceanographic buoys
Rafts (instrument carriers)
BT: Buoys
NT: Drifting data buoys
Wave buoys
RT: Lagrangian current measurement
Ocean stations
Oceanographic equipment
Recording equipment
Weather ships

Data catalogues

USE: **Inventories**

Data centres

USE: **Information centres**

Data collections

UF: Data banks
Databases
BT: Collections
RT: Census
Data
Data processing
Data storage
Documentation
Inventories
Libraries
Report literature
Surveys

Data converters

SN: Analog/digital converters
RT: Analog records
Digital records

Data handling

USE: **Data processing**

Data loggers

RT: Data
Data acquisition
Recording equipment

Data presentation (graphics)

USE: **Graphics**

Data processing

UF: Automated data processing
Batch processing
Data analysis
Data handling
NT: Data reduction
Seismic data processing
Signal processing
RT: Automation
Computer programs
Computers
Data
Data acquisition
Data collections
Data storage
Observers

Data reduction

BT: Data processing
RT: Reference levels
Seismic data processing
Spectral analysis

Data reports

BT: Report literature
NT: Cruise reports
Station lists
RT: Data
Ocean stations

Data retrieval

USE: **Information retrieval**

Data storage

BT: Storage
RT: Computers
Data
Data acquisition
Data collections
Data processing

Data transmission

NT: Facsimile transmission
RT: Telemetry

Databases

USE: **Data collections**

Dating (biological)

USE: **Age determination**

Dating (earth sciences)

USE: **Geochronometry**

Datum levels

BT: Reference levels
NT: Chart datum
Tidal datum
RT: Bench marks
Geodesy
Levelling
Sea level

Davits

BT: Lifting tackle
RT: Gear handling

Day length

USE: **Photoperiods**

Daytime

RT: Diurnal variations
Nighttime

DDE

UF: Dichlorodiphenylethylene
BT: Chlorinated hydrocarbons

DDT

UF:
Dichlorodiphenyltrichloroethane
BT: Chlorinated hydrocarbons
RT: Chemical pollutants
Pesticides
Toxicants

De-icing

USE: **Deicing**

De-icing equipment

USE: **Deicing equipment**

Dead bodies

USE: **Carcasses**

Dead reckoning

BT: Navigation
RT: Inertial navigation
Ship drift

Dead water

RT: Density stratification
Interface phenomena
Internal wave effects
Surface wave-internal wave interactions
Water

Deamination

BT: Chemical reactions
RT: Amination

Death rate

USE: **Mortality**

Debris (geological)

USE: **Debris flow**

Debris (marine)

USE: **Marine debris**

Debris (nuclear)

USE: **Fission products**

Debris (organic)

USE: **Detritus**

Debris (rubbish)

USE: **Litter**

Debris flow

UF: Debris (geological)
Mudflows
Rock falls

BT: Mass gravity transport
(sediments)
RT: Melanges
Olistostromes

Debubbling

RT: Bubbles
Bubbling

Decalcification

SN: The process of absorption of
lime salts from bones
BT: Biochemical phenomena
RT: Bones
Calcification
Shells

Decantation

SN: Decantation of transported
solid pollutants or suspended
sediments
BT: Separation
RT: Sedimentation
Sludge treatment
Waste treatment
Water pollution treatment
Water treatment

Decarboxylation

BT: Chemical reactions
RT: Carboxylation

Decay

BT: Degradation

Decca

BT: Radio navigation
RT: Navigational tables

Dechlorination

RT: Chlorination
Chlorine
Disinfection
Sewage treatment
Water purification
Water treatment

Decision support systems

SN: Computer-based system that
assists one in the process of
making a decision
BT: Information systems

Deck compression chambers

USE: **Decompression chambers**

Deck equipment

UF: Deck machinery
Handling equipment
BT: Equipment
NT: Lifting tackle
RT: Decks
Gear handling
Hydraulic systems
Oceanographic equipment
Rigging
Safety devices

Deck machinery

USE: **Deck equipment**

Deck safety equipment

USE: **Safety devices**

Decks

NT: Helidecks
RT: Deck equipment
Mobile platforms

Decommissioning

SN: To officially stop using (a
ship, weapon, dam, nuclear
power plant etc.). To remove
(something) from service
RT: Offshore structures
Oil and gas production
Power plants
Surface craft

Decomposers

SN: Micro-organisms returning
nutrients to water by
biodegradation
BT: Heterotrophic organisms
NT: Saprobionts
RT: Bacteria
Biodegradation
Food chains
Fungi

Decomposition

USE: **Degradation**

Decompression

RT: Decompression chambers
Decompression sickness
Decompression tables
Hydrostatic pressure
Saturation diving

Decompression chambers

UF: Compression chambers
Deck compression chambers
Hyperbaric chambers
Pressure chambers
Transfer chambers
BT: Diving equipment
RT: Decompression
Decompression sickness
Decompression tables
Diving bells
High pressure effects
Hyperbaric

Decompression sickness

SN: Before 1986 search also
BENDS
UF: Bends
BT: Human diseases
RT: Decompression
Decompression chambers
Decompression tables
Diving physiology
Nitrogen narcosis

Underwater medicine

Decompression tables

UF: Compression tables
BT: Tables
RT: Decompression
Decompression chambers
Decompression sickness
Diving equipment

Deconvolution

UF: Seismic deconvolution
BT: Mathematical analysis
RT: Convolution
Seismic data processing

Deep-sea bed

USE: **Ocean floor**

Deep-sea channels

BT: Seachannels
Submarine features

Deep-sea diving

UF: Dry diving
BT: Diving
RT: Breathing mixtures
One-atmosphere systems
Submersibles
Underwater exploration

Deep-sea drilling

SN: Drilling operations beyond
the continental shelf
BT: Drilling
Offshore operations
RT: Deep-sea mining
Drilling vessels
Hole re-entry

Deep-sea erosion

USE: **Bottom erosion**

Deep-sea fans

UF: Abyssal cones
Sea fans
Submarine fans
BT: Fans
Submarine features
RT: Alluvial fans
Seachannels
Submarine canyons
Turbidites

Deep-sea fisheries

BT: Marine fisheries

Deep-sea furrows

UF: Furrows (deep-sea)
BT: Submarine features
RT: Bottom erosion
Oceanic trenches

Deep-sea lobster fisheries

USE: **Lobster fisheries**

Deep-sea mining

UF: Deep ocean mining
BT: Mining
Offshore operations
RT: Deep-sea drilling
Mining vessels
Seabed deposits
Subsurface deposits

Deep-sea terraces

USE: **Terraces**

Deep-sea thermometers

USE: **Thermometers**

Deep-sea tide gauges

BT: Tide gauges

Deep-water masses

UF: Bottom water masses
BT: Water masses
RT: Bottom water

Deep-water terminals

BT: Tanker terminals
RT: Offshore docking

Deep-water waves

BT: Water waves

Deep adjacent seas

USE: **Marginal seas**

Deep currents

SN: Midwater currents in deep ocean
BT: Subsurface currents
RT: Bottom currents
Deep water
Water depth

Deep layer

UF: Deep layers (water column)
BT: Water column
RT: Benthic boundary layer
Bottom mixed layer
Hypolimnion

Deep layers (lakes)

USE: **Hypolimnion**

Deep layers (water column)

USE: **Deep layer**

Deep ocean mining

USE: **Deep-sea mining**

Deep scattering layers

USE: **Scattering layers**

Deep sea

USE: **Deep water**

Deep tow

USE: **Towed vehicles**

Deep water

UF: Deep sea
BT: Water
RT: Aphotic zone
Bathymetry
Deep currents
Deep water formation
Hypolimnion
Shallow water
Water depth

Deep water formation

RT: Deep water

Defaecation

UF: Defecation
BT: Excretion
RT: Faecal pellets

Defecation

USE: **Defaecation**

Defects

SN: Use for faults of construction or results of damage or deterioration
UF: Faults (defects)
Flaws
NT: Cracks
Fractures
Leaks
Spalling
RT: Damage
Deterioration
Failures

Defence

USE: **Security**

Defence craft

SN: Vessels designed for military or security purposes
UF: Defense craft
Naval craft
Warships
RT: Military oceanography
Military operations
Naval bases
Protection vessels
Security
Surface craft
Surveillance and enforcement
Underwater vehicles

Defence mechanisms

SN: Before 1986 search also DEFENSE MECHANISMS
UF: Defense mechanisms
Defensive mechanisms
Defensive secretions
NT: Phagocytosis
RT: Allelochemicals
Antibodies
Bioelectricity
Camouflage
Cyclomorphosis
Encystment

Granulomas

Herbicide resistance

Immunity

Immunocontraception

Insecticide resistance

Mimicry

Pesticide resistance

Protective behaviour

Resistance mechanisms

Defense craft

USE: **Defence craft**

Defense mechanisms

USE: **Defence mechanisms**

Defensive mechanisms

USE: **Defence mechanisms**

Defensive secretions

USE: **Defence mechanisms**

Deficiency diseases

UF: Deficiency syndromes
BT: Diseases
RT: Dietary deficiencies
Nutrition disorders
Nutritional requirements

Deficiency syndromes

USE: **Deficiency diseases**

Definitions

USE: **Terminology**

Deflection

NT: Catenary
Plumbline deflection

Deflocculation

UF: Peptization
RT: Dispersion
Flocculation

Deforestation

SN: Removal of trees from land without the intention of reforesting it
RT: Forest industry
Forests

Deformation

UF: Bending
Buckling
Distortion
BT: Mechanical properties
NT: Rock deformation
Strain
RT: Boudinage
Bulk modulus
Collapse strength
Compression
Creep
Elasticity
Flexibility
Melanges
Pipe buckling

Plastic flow
Plasticity
Rheology
Shape
Stress-strain relations
Tensile strength
Yield point

Defrosting
USE: **Thawing**

Degassification
USE: **Degassing**

Degassing
UF: Degassification
RT: Desorption
Earth atmosphere
Earth mantle

Degeneration
UF: Evolutionary retrogression
BT: Biological phenomena
RT: Biodegradation
Evolution
Mutations
Regeneration

Deglaciation
RT: Climatic changes
Emergent shorelines
Glaciation
Interglacial periods
Transgressions

Degradation
UF: Decomposition
BT: Chemical reactions
NT: Biodegradation
Chemical degradation
Decay
Environmental degradation
Pyrolysis
Thermal decomposition
RT: Autolysis
Composting
Deterioration
Discolouration
Fate
Fouling
Humus
Leaching
Oxygen depletion
Weathering

Dehydrated products
USE: **Dried products**

Dehydration
BT: Chemical reactions
RT: Desiccation
Dewatering
Drying
Evaporation
Hydration
Separation
Transpiration

Water content

Dehydrogenases
BT: Enzymes

Deicing
SN: Preventing and removing
rime and glaze from decks,
superstructures, equipment, etc.
For melting of ice/snow on
land and frozen soil, use ICE
MELTING. For thawing of
frozen fishery products use
THAWING. Before 1996 search
also DE-ICING
UF: De-icing
RT: Antifreezes
Deicing equipment
Ice melting
Ice prevention
Icing
Thawing

Deicing equipment
UF: De-icing equipment
BT: Equipment
RT: Deicing
Ice prevention
Icing

Delta structures
USE: **Deltaic features**

Deltaic deposits
RT: Fluvial sedimentation
Foreset beds

Deltaic features
UF: Delta structures
NT: Foreset beds
RT: Deltas

Deltaic sedimentation
BT: Sedimentation
RT: Deltas
Foreset beds
Sedimentary environments

Deltas
BT: Coastal landforms
RT: Alluvial deposits
Brackishwater environment
Coastal erosion
Coasts
Deltaic features
Deltaic sedimentation
Distributaries
Flood plains
Fluvial features
Fluvial morphology
Progradation
Rivers
Swamps
Wetlands

Demersal fish
SN: Bottom feeding fish

UF: Benthic fish
Ground fish
Groundfish
BT: Fish
RT: Benthos
Demersal fisheries

Demersal fisheries
BT: Fisheries
RT: Bottom trawling
Crustacean fisheries
Demersal fish
Finfish fisheries
Lagoon fisheries
Lake fisheries
Longlining
Marine fish
Marine fisheries

Demineralization
UF: Salts extraction
BT: Separation processes
RT: Distillation
Ion exchange

Demography
SN: Study of birth rates, death
rates, age distributions, and
size of human populations. For
studies on animal populations,
use Population structure or
Population dynamics
RT: Sociological aspects

Denaturation (proteins)
USE: **Protein denaturation**

Dendrites
USE: **Neurons**

Denitrification
SN: Before 1982 search
NITROGEN CYCLE
BT: Chemical reactions
RT: Nitrification
Nitrogen cycle

Dense water
BT: Sea water

Densimeters
USE: **Densitometers**

Densitometers
UF: Densimeters
BT: Density measuring equipment

Density
SN: Before 1982 search also
DENSITY (PHYSICAL)
UF: Density (physical)
BT: Physical properties
NT: Current density
Sediment density
Water density
RT: Buoyancy
Density measurement

Density measuring equipment
Diffusion
Gravimetric techniques
Specific gravity
Wet weight

Density-dependent factors
USE: **Biotic factors**

Density-independent factors
USE: **Abiotic factors**

Density (physical)
USE: **Density**

Density (population)
USE: **Population density**

Density (stocking)
USE: **Stocking density**

Density (water)
USE: **Water density**

Density (wave action)
USE: **Wave action**

Density charts
SN: Charts showing distribution
of water density
BT: Hydrographic charts
RT: Density sections
Isopycnics
Water density

Density currents
USE: **Density flow**

Density dependence
UF: Density dependent effects
RT: Biological production
Biotic factors
Population density
Population functions
Stocking (organisms)
Stocking density

Density dependent effects
USE: **Density dependence**

Density dependent factor
USE: **Population density**

Density field
BT: Fields
RT: Geostrophic flow
Geostrophic method
Water density

Density flow
SN: Before 1982 search
TURBIDITY CURRENTS
UF: Density currents
Gravity induced flow
BT: Fluid flow
RT: Bottom currents
Stratified flow

Turbidity currents
Water currents

Density fronts
BT: Oceanic fronts
RT: Isopycnics
Pycnocline
Tidal fronts
Water density

Density gradients
SN: Used only for density
gradients in water
BT: Gradients
RT: Density profiles
Density stratification
Pycnocline
Water density

Density interfaces
BT: Interfaces
RT: Density stratification
Water density

Density layer
USE: **Pycnocline**

Density measurement
UF: Hydrometry
Specific gravity measurement
BT: Measurement
RT: Density
Density measuring equipment
Hydrometers
Water density

Density measuring equipment
BT: Measuring devices
NT: Densitometers
RT: Density
Density measurement
Hydrometers

Density profiles
BT: Vertical profiles
RT: Density gradients
Density sections
Density stratification
Pycnocline
Water density

Density sections
BT: Hydrographic sections
RT: Density charts
Density profiles
Water density

Density stratification
UF: Stratification (density)
BT: Stratification
RT: Buoyant jets
Dead water
Density gradients
Density interfaces
Density profiles
Geostrophic flow
Monin-Obukhov length

Pycnocline
Salinity stratification
Sound channels
Water density

Denudation
SN: Combined effect of erosional
processes and transportation
of eroded material
RT: Erosion

Deoxygenation
RT: Oxygen
Oxygen demand
Oxygen depletion
Oxygenation
Water quality

Deoxyribonucleic acid
USE: **DNA**

Dependent species
USE: **Associated species**

Depleted stocks
SN: A stock (or population)
suffering from recruitment
overfishing
UF: Stock depletion
BT: Stocks
RT: Depletion
Overfishing

Depletion
NT: Oxygen depletion
Resource depletion
RT: Abundance
Conservation
Depleted stocks
Reclamation

Deployment
SN: Deployment of materials and
equipment including underwater
vehicles
RT: Gear handling
Launching
Recovery
Station keeping

Depolymerization
BT: Chemical reactions
RT: Polymerization

Deposition (geology)
USE: **Sedimentation**

Deposition features
RT: Alluvial fans
Barrier islands
Beach accretion
Beach ridges
Berms
Break-point bars
Erosion features
Fluvial features
Glacial features

- Nearshore bars
Sediment drifts
Spits
- Depositional environments
USE: **Sedimentary environments**
- Depressions (meteorology)
USE: **Cyclones**
- Depressors**
NT: Cable depressors
RT: Depth control
- Depth**
BT: Dimensions
NT: Mixed layer depth
Sill depth
Standard depths
Water depth
RT: Contours
Depth control
Depth measurement
Height
Hypsometric curves
Thickness
- Depth contours
USE: **Isobaths**
- Depth control**
BT: Control
RT: Depressors
Depth
- Depth distribution
USE: **Vertical distribution**
- Depth finders
USE: **Depth recorders**
- Depth finding
USE: **Echosounding**
- Depth measurement**
SN: Measurement of depth in water only. Use of a more specific term is recommended
BT: Measurement
NT: Bathymetry
Echosounding
Instrument depth measurement
RT: Depth
Depth recorders
Sounding lines
Stereophotography
- Depth recorders**
UF: Depth finders
Precision depth recorders
BT: Recording equipment
RT: Bathymeters
Bathythermographs
Depth measurement
Echosounders
Oceanographic equipment
Water depth
- Depth sounding (water)
USE: **Bathymetry**
- Depuration
USE: **Self purification**
- Derived lipids
USE: **Lipids**
- Dermal denticles
USE: **Scales**
- Derricks
USE: **Cranes**
- Desalination**
SN: Sea water conversion and water desalting
UF: Desalination processes
Extraction (salts)
Sea water conversion
Seawater conversion
Water desalting
BT: Water treatment
RT: Desalination plants
Dissolved salts
Distillation
Electrodialysis
Evaporation
Non-living resources
Reverse osmosis
Saline water
Salinity
Salts
Sea water
Separation
Water purification
- Desalination plants**
RT: Aquaculture facilities
Desalination
Mineral industry
Water supply
- Desalination processes
USE: **Desalination**
- Descriptive physical oceanography
USE: **Hydrography**
- Deserts**
BT: Arid environments
RT: Oases
Sabkhas
- Desiccation**
BT: Separation
RT: Dehydration
Drying
Evaporation
- Design**
SN: Limit to design methods
UF: Design engineering
NT: Ship design
Towed body design
- RT: Engineering
Engineering drawings
Specifications
Structural analysis
Tolerances (dimensional)
- Design engineering
USE: **Design**
- Design wave**
RT: Coastal structures
Offshore structures
Surface water waves
Wave climate
Wave forces
Wave forecasting
Wave height
Wave statistics
- Desorption**
BT: Sorption
RT: Degassing
Surface properties
- Destratification**
RT: Stratification
Water mixing
- Destructive waves**
BT: Water waves
RT: Nearshore bars
- Detection**
NT: Disease detection
Fish detection
Iceberg detection
Pollution detection
Sonar detection
Wreck location
RT: Detectors
Echo ranging
Identification
Inspection
Locating
Surveillance and enforcement
Tracking
- Detectors**
BT: Equipment
NT: Acoustic tracking systems
RT: Alarm systems
Detection
- Detergents**
NT: Soaps
RT: Chemical pollutants
Domestic wastes
Surfactants
- Deterioration**
SN: Gradual decline in quality (of materials). For results of fire and accidents use **DAMAGE**
RT: Corrosion
Crack propagation
Damage
Defects

Degradation Embrittlement Failures Fatigue (materials) Maintenance and repair Restoration Scouring Spalling Wear	Deuterium compounds BT: Hydrogen compounds RT: Deuterium Heavy water	Diapause Emergence Growth Kelt Life cycle Metamorphosis Ontogeny Resting stages
Detonators BT: Equipment RT: Blasting Explosives	Developed countries BT: Countries RT: Developing countries Poverty alleviation	Devonian SN: Before 1982 search DEVONIAN PERIOD BT: Palaeozoic
Detoxification SN: Removal of poison or poison effects RT: Biological poisons Hydrolysis Oxidation Toxicants Toxicity Toxicology	Developing countries UF: Developing nations Developing world Underdeveloped countries BT: Countries RT: Developed countries Poverty alleviation	Dew point UF: Dew point temperature BT: Transition temperatures RT: Condensation Fog Humidity Mixing ratio Water vapour
Detrital deposits UF: Detrital sediments RT: Clastics Detritus Sediments Suspended particulate matter	Developing nations USE: Developing countries	Dew point temperature USE: Dew point
Detrital sediments USE: Detrital deposits	Developing world USE: Developing countries	Dewatering RT: Dehydration Drying Pore water Water content
Detritivores USE: Detritus feeders	Development (biological) USE: Biological development	Diadromy SN: The migration, in either direction, of fish or other organisms between the sea and fresh water, not limited to the purpose of spawning RT: Anadromous species Catadromous species Euryhalinity Spawning migrations
Detritus UF: Biodeposition Debris (organic) Organic detritus NT: Leaf litter RT: Biogenic material Biogeochemical cycle Detrital deposits Detritus feeders Filter feeders Litter Sapropels Suspended organic matter Suspended particulate matter Turbidity	Development (products) USE: Product development	Diagenesis BT: Sedimentation NT: Authigenesis Calcitization Cementation Compaction Consolidation Dolomitization Lithification RT: Bioturbation Calcification Catagenesis Chertification Gas turbation Metasomatism Sedimentology Silicification
Detritus feeders UF: Detritivores BT: Heterotrophic organisms RT: Detritus Omnivores Saprobionts	Development (resources) USE: Resource development	Diagnosis (diseases) USE: Disease detection
Deuterium SN: Before 1982 search HYDROGEN ISOTOPES BT: Hydrogen isotopes RT: Deuterium compounds	Development (rural) USE: Rural development	Dialysis BT: Separation processes NT: Electro dialysis
	Development (urban) USE: Urbanization	
	Development plans USE: Development projects	
	Development potential RT: Development projects Resource availability Resource development	
	Development projects UF: Development plans RT: Aquaculture development Capacity building Development potential Fishery aid Fishery development International cooperation Poverty alleviation Resource development Technology transfer Visual impact	
	Developmental stages NT: Adults Embryos Gametophytes Juveniles Larvae RT: Biological development	

RT: Colloids
Osmosis

Diamonds

BT: Placers
RT: Carbon
Graphite
Kimberlites

Diapause

SN: The state of suspended development
RT: Developmental stages
Growth
Photoperiodicity

Diapirism

BT: Rock deformation
RT: Diapirs
Igneous intrusions
Salt domes

Diapirs

RT: Cap rocks
Diapirism
Salt domes
Structural domes

Diarrhetic shellfish poisoning

UF: Diarrhoeic shellfish poisoning
Shellfish poisoning (diarrhetic)
BT: Human diseases
RT: Paralytic shellfish poisoning

Diarrhoeic shellfish poisoning

USE: **Diarrhetic shellfish poisoning**

Diastrophism

NT: Crustal shortening

Diatom culture

USE: **Phytoplankton culture**

Diatom ooze

BT: Siliceous ooze
RT: Diatomites
Diatoms
Fossil diatoms

Diatomites

BT: Siliceous rocks
RT: Diatom ooze
Diatoms

Diatoms

SN: Microscopic one-celled algae.
Before 2016 search also taxonomic descriptor
BACILLARIOPHYCEAE
BT: Algae
RT: Diatom ooze
Diatomites

Dichlorodiphenyltrichloroethane
USE: **DDT**

Dichlorodiphenylethylene
USE: **DDE**

Dicothermal layer

USE: **Temperature inversions**

Dictionaries

USE: **Glossaries**

Dieldrin

BT: Chlorinated hydrocarbons
RT: Insecticides

Dielectric constant

BT: Electrical properties
RT: Capacitance
Ice properties

Diesel engines

BT: Motors
RT: Propulsion systems
Shipboard equipment

Diesel fuels

USE: **Fuels**

Dietary deficiencies

NT: Nutrient deficiency
Protein deficiency
Vitamin deficiencies
RT: Deficiency diseases
Diets
Feed composition
Feeding experiments
Nutrition disorders
Nutritional requirements
Nutritive value

Dietary fibre

UF: Dietary fiber
Digestible fibre
Fibre (dietary)
BT: Organic constituents
RT: Animal nutrition
Diets
Feed
Food
Food composition
Polysaccharides

Dietry fiber

USE: **Dietary fibre**

Diets

NT: Balanced diets
Basic diets
RT: Animal nutrition
Artificial feeding
Bioactive compounds
Dietary deficiencies
Dietary fibre
Feed efficiency
Nutrition disorders
Nutritional requirements
Nutritive value

Differential distribution

SN: Restricted to areal distribution of the life history stages of aquatic organisms
BT: Geographical distribution
RT: Life cycle

Differential equations

SN: Including integral equations
BT: Equations
RT: Eigenfunctions
Finite element method
Harmonic analysis
Integral equations
Nonlinear equations
Numerical analysis

Differentiation (cells)

USE: **Cell differentiation**

Diffraction

SN: Use of a more specific term is recommended
NT: Light diffraction
Sound diffraction
Wave diffraction
RT: Wave motion
X-ray diffraction analysis

Diffuse pollution

USE: **Nonpoint pollution sources**

Diffuse sky radiation

USE: **Solar radiation**

Diffusion

BT: Transport processes
NT: Atmospheric diffusion
Molecular diffusion
Thermal diffusion
Turbulent diffusion
RT: Adsorption
Conservation equations
Density
Diffusion coefficients
Equilibrium
Evaporation
Ion exchange
Ion transport
Leaching
Mass transfer
Mixing processes
Momentum
Osmosis
Permeability
Separation
Turbulence
Water circulation
Water mixing

Diffusion (dye patch)

USE: **Dye dispersion**

Diffusion coefficients

UF: Diffusivity
BT: Exchange coefficients
RT: Diffusion
Eddy diffusivity

Diffusive convection
USE: **Double diffusion**

Diffusivity
USE: **Diffusion coefficients**

Digestibility
BT: Organoleptic properties
RT: Digestion

Digestible fibre
USE: **Dietary fibre**

Digestion
RT: Animal nutrition
Digestibility
Digestive system
Enzymatic activity
Excretory products
Food absorption
Food consumption
Food conversion
Hydrolysis
Ingestion
Metabolism
Physiology

Digestive glands
BT: Digestive system
Exocrine glands
NT: Hepatopancreas
Liver
Pancreas
RT: Alimentary organs
Pyloric caeca

Digestive system
SN: Before 1995 search also
DIGESTIVE TRACT
UF: Digestive tract
Gastrointestinal system
BT: Anatomical structures
NT: Alimentary organs
Digestive glands
RT: Abdomen
Digestion
Oesophagus
Prebiotics
Probiotics

Digestive tract
USE: **Digestive system**

Digital data records
USE: **Digital records**

Digital records
UF: Digital data records
BT: Records
RT: Analog records
Data converters

Dikes (embankments)
USE: **Embankments**

Dilution
RT: Water mixing

Dimensionless numbers
NT: Mixing ratio
RT: Froude number
Prandtl number
Ratios
Reynolds number
Rossby number

Dimensions
NT: Amplitude
Area
Capacity
Depth
Height
Length
Size
Thickness
Volume
Width
RT: Morphometry
Shape
Spatial variations

Dimorphism (sexual)
USE: **Sexual dimorphism**

Dioxins
UF: Polychlorinated
dibenzodioxins
BT: Chlorinated hydrocarbons

Diploids
SN: A cell or an organisms with
two sets of chromosomes, one
set being derived from the
female parent and the other from
the male
UF: Diploidy
BT: Ploidy
RT: Chromosomes
Haploids
Polyploids
Zygotes

Diploidy
USE: **Diploids**

Direction
NT: Wave direction
Wind direction
RT: Azimuth
Direction finding
Direction indicators
Directional spectra
Echo ranging
Horizon

Direction finding
RT: Direction
Navigation

Direction indicators
BT: Instruments
NT: Compasses

RT: Direction
Vanes

Directional spectra
UF: Directional wave spectra
BT: Spectra
RT: Direction
Energy spectra
Internal waves
Long-crested waves
Short-crested waves
Surface water waves
Wave direction

Directional wave spectra
USE: **Directional spectra**

Directories
BT: **Documents**

Disasters
UF: Catastrophes
Disasters (natural)
Natural disasters
NT: Famine
RT: Accidents
Avalanches
Damage assessment
Droughts
Earthquakes
El Nino phenomena
Emergencies
Flash floods
Floods
Hazards
Hurricanes
Storm surges
Tsunamis
Volcanic eruptions

Disasters (man-made)
USE: **Accidents**

Disasters (natural)
USE: **Disasters**

Discard catch
USE: **Discards**

Discarded catch
USE: **Discards**

Discards
SN: Fish released/returned to the
sea, dead or alive, whether or
not brought fully on board a
fishing vessel.
UF: Discard catch
Discarded catch
RT: By catch

Discoloration
USE: **Discolouration**

Discolored water
USE: **Discoloured water**

Discolouration

UF: Discoloration
RT: Chromatic pigments
Colour
Degradation
Pigments
Staining

Discoloured water

SN: Before 1982 search also RED
TIDES
UF: Discolored water
BT: Water
RT: Red tides
Water colour

Discontinuity layers

BT: Layers
NT: Halocline
Lysocline
Nepheloid layer
Pycnocline
Scattering layers
Thermocline
RT: Environmental factors
Interfaces
Thermal stratification

Discus-shaped buoys

BT: Buoy hulls

Disease control

BT: Control
RT: Aetiology
Cancer
Disease detection
Disease resistance
Diseases
Epidemiology
Pathogens
Pest control
Probiotics
Prophylaxis
Therapy

Disease detection

UF: Diagnosis (diseases)
BT: Detection
RT: Aetiology
Cancer
Disease control
Diseases
Symptoms
Therapy

Disease preventive treatment

USE: **Prophylaxis**

Disease resistance

UF: Disease susceptibility
Pathogen resistance
Resistance to disease
BT: Biological resistance
RT: Cancer
Disease control
Diseases
Drug resistance

Environmental effects
Immunity
Vaccination

Disease susceptibility

USE: **Disease resistance**

Disease transmission

UF: Transmission of diseases
RT: Diseases

Disease treatment

USE: **Therapy**

Diseases

UF: Disorders (biological)
Morbidity
NT: Animal diseases
Cancer
Deficiency diseases
Environmental diseases
Haematological diseases
Human diseases
Husbandry diseases
Infectious diseases
Metabolic disorders
Nutrition disorders
Plant diseases
Tumours
RT: Aetiology

Carcinogens
Disease control
Disease detection
Disease resistance
Disease transmission
Haemorrhage
Histopathology
Hosts
Hygiene
Immunology
Medicine
Microbial contamination
Mortality causes
Natural mortality
Necroses
Pathogens
Pathology
Prophylaxis
Sublethal effects
Symptoms
Therapy
Virulence

Disinfectants

UF: Antiseptics
BT: Biocides
RT: Chemical compounds
Chlorine
Disinfection
Iodophors
Pesticides

Disinfection

RT: Chlorination
Dechlorination
Disinfectants
Microbial contamination

Pathogens
Water purification

Disorders (biological)
USE: **Diseases**

Disorders (human)
USE: **Human diseases**

Dispersal phenomena
USE: **Dispersion**

Dispersants

SN: Chemicals used to contribute to the break-up of an oil spill
UF: Dispersing agents
BT: Agents
RT: Anticoagulants
Dispersion
Oil removal
Oil spills
Solvents
Surfactants

Dispersing
USE: **Dispersion**

Dispersing agents
USE: **Dispersants**

Dispersion

UF: Dispersal phenomena
Dispersing
Spreading
NT: Biological drift
Dye dispersion
Light dispersion
Longitudinal dispersion
Sound dispersion
Wave dispersion
RT: Deflocculation
Dispersants
Fate
Mixing processes
Separation
Water mixing

Dispersion (water waves)
USE: **Wave dispersion**

Dispersions (chemical)
USE: **Colloids**

Displacement

SN: Weight of water displaced by vehicle; weight in water
RT: Flotation
Motion
Weight

Display behaviour

BT: Behaviour
RT: Agonistic behaviour
Courtship

Disposal (waste)
USE: **Waste disposal**

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Disputes

UF: Conflict of interests
Conflicts
NT: Fishery disputes
RT: International law
Legal aspects

Dissipation (water waves)

USE: **Wave dissipation**

Dissociation

BT: Chemical reactions
RT: Pyrolysis

Dissolution

UF: Solution
BT: Separation processes
NT: Calcite dissolution
RT: Exchange capacity
Karst
Leaching
Solubility
Solutions
Solvent extraction
Solvents
Supersaturation

Dissolved chemicals

UF: Dissolved mineral resources
RT: Chemical compounds
Chemical elements
Hot brines
Solubility
Solutions

Dissolved gases

BT: Gases
NT: Dissolved oxygen
RT: Bubble disease
Solubility
Solutions
Water analysis

Dissolved inorganic carbon

BT: Dissolved inorganic matter
Inorganic carbon

Dissolved inorganic matter

BT: Inorganic matter
NT: Dissolved inorganic carbon
RT: Solutions

Dissolved mineral resources

USE: **Dissolved chemicals**

Dissolved organic carbon

BT: Dissolved organic matter
Organic carbon
RT: Total organic carbon

Dissolved organic matter

SN: Before 1982 search
ORGANIC SUSPENDED
MATTER
BT: Organic matter
NT: Dissolved organic carbon

Dissolved organic nitrogen

Dissolved organic phosphorus

RT: Solutions

Dissolved organic nitrogen

BT: Dissolved organic matter
Organic nitrogen

Dissolved organic phosphorus

BT: Dissolved organic matter
Organic phosphorus

Dissolved oxygen

UF: DO
Oxygen content
BT: Dissolved gases
Oxygen
RT: Abiotic factors
Aeration
Aerobic respiration
Anoxic basins
Anoxic conditions
Biological uptake
Eutrophication
Hydrographic sections
Non-conservative properties
Oxygen minimum layer
Oxygen profiles
Water properties
Winkler method

Dissolved salts

BT: Salts
RT: Brines
Chlorine compounds
Desalination
Fluorine compounds
Salinity
Salt budget
Salt fingers
Salt flux
Salt lakes
Sodium compounds
Water properties

Distance (genetics)

USE: **Genetic distance**

Distant water fisheries

USE: **High seas fisheries**

Distillation

BT: Separation processes
RT: Demineralization
Desalination
Distilled water

Distilled water

BT: Water
RT: Distillation

Distortion

USE: **Deformation**

Distress signals

UF: Beacons (distress)
BT: Alarm systems

Distributaries

SN: A distributary, or a distributary channel, is a stream that branches off and flows away from a main stream channel. They are common features of river deltas
UF: Distributary
Distributary channels
BT: Rivers
RT: Deltas
Fluvial morphology
Tributaries

Distributary

USE: **Distributaries**

Distributary channels

USE: **Distributaries**

Distribution

SN: Use of a narrower term is recommended
NT: Ecological distribution
Gaussian distribution
Geographical distribution
Geological distribution
Quantitative distribution
Sediment distribution
Temporal distribution
RT: Distribution records
New records
Patchiness

Distribution-free methods

USE: **Non-parametric methods**

Distribution records

RT: Biological charts
Distribution
Type localities

Disturbance (ecosystem)

USE: **Ecosystem disturbance**

Ditching

USE: **Trenching**

Diurnal rhythms

USE: **Circadian rhythms**

Diurnal thermocline

BT: Thermocline
RT: Diurnal variations

Diurnal tides

UF: Lunar diurnal tides
Solar diurnal tides
BT: Tides

Diurnal variations

UF: Daily variation
BT: Periodic variations
RT: Circadian rhythms
Daily
Daytime

Diurnal thermocline
Nighttime
Nyctimeral rhythms
Photoperiodicity
Photoperiods
Vertical distribution
Vertical migrations

Divergence

NT: Plate divergence
RT: Convergence
Divergence zones
Horizontal motion
Langmuir circulation
Oceanic fronts
Upwelling

Divergence zones

NT: Oceanic divergences
RT: Convergence zones
Divergence
Upwelling
Water masses

Divergent margins

USE: **Passive margins**

Diverging plate boundaries

UF: Accreting plate boundaries
BT: Plate boundaries
RT: Converging plate boundaries
Crustal accretion
Mantle plumes
Mid-ocean ridges
Plate divergence
Rift zones
Spreading centres

Divers

RT: Diving
Diving equipment
Diving industry
Diving physiology

Divers physiology

USE: **Diving physiology**

Divers safety

USE: **Diving regulations**

Divers work

USE: **Working underwater**

Diversity index

USE: **Species diversity**

Diving

NT: Deep-sea diving
Saturation diving
Scuba diving
RT: Divers
Diving accidents
Diving bells
Diving equipment
Diving hazards
Diving physiology
Diving regulations

Fishing by diving
Search and rescue
Spear fishing
Surveying underwater
Underwater exploration
Underwater medicine
Visibility underwater
Working underwater

Diving accidents

BT: Accidents
RT: Diving
Diving hazards
Diving regulations
Drowning
Marine accidents
Mortality causes

Diving bells

BT: Manned vehicles
RT: Decompression chambers
Diving
One-atmosphere systems
Saturation diving
Submersibles
Support ships
Tethered vehicles
Underwater habitats
Working underwater

Diving chambers

USE: **Manned vehicles**

Diving equipment

UF: Diving gear
Diving systems
BT: Equipment
NT: Decompression chambers
Diving suits
Diving tools
RT: Breathing apparatus
Communication systems
Compressors
Decompression tables
Divers
Diving
Diving industry
Life support systems
Protective clothing
Submersibles
Support ships
Surveying equipment

Diving gear

USE: **Diving equipment**

Diving hazards

BT: Hazards
NT: Shark attacks
RT: Dangerous organisms
Diving
Diving accidents
Drowning
Hyperthermia

Diving industry

BT: Industries

RT: Divers

Diving equipment

Working underwater

Diving medicine

USE: **Underwater medicine**

Diving physiology

SN: All physiological and medical aspects of diving in man, mammals, and other animals, including experimental laboratory studies
UF: Divers physiology
BT: Physiology
RT: Animal physiology
Bone necrosis
Decompression sickness
Divers
Diving
Human physiology
Hyperthermia
Hypothermia
Pressure effects
Underwater medicine
Working underwater

Diving regulations

UF: Divers safety
BT: Safety regulations
RT: Diving
Diving accidents

Diving suits

SN: Use for one-man equipment with articulated limbs
BT: Diving equipment
RT: Manipulators
One-atmosphere systems
Saturation diving
Submersibles
Umbilicals

Diving surveys

BT: Surveys
RT: Surveying underwater
Underwater exploration

Diving systems

USE: **Diving equipment**

Diving tools

SN: Pertains to tools operated by divers
UF: Tools (underwater)
Underwater tools
BT: Diving equipment
RT: Underwater equipment
Working underwater

Diving vehicles

USE: **Manned vehicles**

DNA

SN: Before 1982 search
DEOXYRIBONUCLEIC ACID
UF: Deoxyribonucleic acid

BT: Nucleic acids
NT: cDNA
mtDNA
RT: Chemotaxonomy
DNA barcoding
DNA fingerprinting
DNA replication
DNA sequencing
Genes
Genetic markers
Plasmids
Polymerase chain reaction
Polymerization
Promoters
Protein sequencing
RNA sequencing
Sequencing

DNA banks
USE: **Gene libraries**

DNA barcoding

SN: Techniques for standardizing and expediting taxonomic identification or classification of organisms that are based on deciphering the sequence of one or a few regions of DNA known as the 'DNA barcode'
BT: DNA sequencing
RT: Biodiversity
DNA
DNA fingerprinting
Phylogenetics
Species identification
Taxonomy

DNA fingerprinting

SN: Works on any method of isolating and identifying variable elements within the base-pair sequence of DNA
UF: DNA profiling
DNA testing
DNA typing
Genetic fingerprinting
Genetic profiling
BT: Fingerprinting
Genetic techniques
RT: Biotechnology
DNA
DNA barcoding
DNA sequencing
Genes
Genetic markers
Genetics
Genotypes
Microsatellites
Nucleotide sequence
Polymerase chain reaction

DNA markers
USE: **Genetic markers**

DNA profiling
USE: **DNA fingerprinting**

DNA replication

SN: Before 2016 search
REPLICATION + DNA
BT: Replication
RT: DNA
Genes
Genomes
Nucleic acids
Polymerase chain reaction

DNA sequencing

SN: A multistage process that includes cloning, physical mapping, subcloning, determination of the DNA Sequence, and information analysis
BT: Sequencing
NT: DNA barcoding
RT: DNA
DNA fingerprinting

DNA testing
USE: **DNA fingerprinting**

DNA typing
USE: **DNA fingerprinting**

DO
USE: **Dissolved oxygen**

Docking
USE: **Berthing**

Docks
USE: **Port installations**

Documentation

RT: Bibliographic information
Data collections
Documents
Framework

Documentation services
USE: **Information services**

Documents

SN: Before 1982 search also
PUBLICATIONS
UF: Correspondence (letters)
Fisheries literature
Manuscripts (historical)
Publications
NT: Atlases
Bibliographies
Biographies
Catalogues
Collected papers
Directories
Encyclopaedias
Expedition reports
Gazetteers
Glossaries
Guidelines
Logbooks
Manuals
Tables

Thesaurus
RT: Abstracts
Audiovisual materials
Documentation
Literature reviews
Microforms
Obituaries
Patents
Publicity material
Report literature
Synopsis
Transcription
Translations

Doldrums
USE: **Equatorial trough**

Dolomite

SN: Use only for mineral dolomite
BT: Carbonate minerals
RT: Dolostone
Evaporites

Dolomite (rock)
USE: **Dolostone**

Dolomitization

BT: Diagenesis
RT: Calcitization
Calcium carbonates
Dolostone
Limestone

Dolostone

UF: Dolomite (rock)
BT: Carbonate rocks
RT: Dolomite
Dolomitization

Domes

BT: Anticlines
RT: Salt domes

Domestic species

SN: Species kept by man from the wild
UF: Domesticated species
BT: Species
RT: Cultured organisms
Domestication
Introduced species
Selective breeding

Domestic wastes

BT: Wastes
RT: Detergents
Organic wastes
Sewage
Soaps

Domesticated species
USE: **Domestic species**

Domestication

RT: Captivity
Domestic species

Dominance hierarchies

SN: Before 1982 search SOCIAL
BEHAVIOUR
UF: Hierarchies (social)
Social hierarchy
NT: Pecking order
RT: Competition
Social behaviour
Territoriality

Dominant species

BT: Species
RT: Climax community
Community composition
Ecological associations
Ecological succession
Multispecies fisheries
Species diversity

Doppler effect

UF: Doppler shift
RT: Doppler navigation
Doppler sonar

Doppler navigation

UF: Doppler sonar navigation
BT: Acoustic navigation
RT: Doppler effect

Doppler shift

USE: **Doppler effect**

Doppler sonar

UF: Acoustic doppler sonar
BT: Active sonar
RT: Doppler effect

Doppler sonar navigation

USE: **Doppler navigation**

Dormancy

RT: Aestivation
Hibernation
Metabolism
Resting stages
Thermoregulation

Dormant stages

USE: **Cysts**

Double diffusion

UF: Diffusive convection
Double diffusive convection
Salt finger convection
Salt fingering
BT: Molecular diffusion
RT: Double diffusive instability
Microstructure
Salinity gradients
Salt fingers
Temperature gradients
Vertical mixing

Double diffusive convection

USE: **Double diffusion**

Double diffusive instability

BT: Instability
RT: Double diffusion
Trans-isopycnal mixing

Double kelvin waves

USE: **Kelvin waves**

Douglas scale

USE: **Sea state scales**

Downstream migrations

USE: **Catadromous migrations**

Downward irradiance

BT: Irradiance

Downward long wave radiation

UF: Atmospheric radiation
BT: Terrestrial radiation

Downwelling

BT: Vertical water movement
RT: Convergence
Mixing processes
Oceanic convergences
Tidal fronts
Upwelling
Water mixing

Drag

NT: Form drag
RT: Bottom stress
Drag coefficient
Friction
Wind stress
Wind wave generation

Drag coefficient

RT: Bed roughness
Drag
Kinetic energy
Reynolds number
Surface roughness
Wind stress
Wind wave generation

Dragging nets

USE: **Bottom trawls**

Drainage basins

USE: **River basins**

Drainage water

SN: Drainage water of artificial or
natural origin
BT: Water
NT: Acid mine drainage
Runoff
RT: Sewage
Urban watersheds
Waste water
Water table
Watersheds

Drawings

USE: **Illustrations**

Dredge spoil

BT: Wastes
RT: Dredgers
Dredging
Spoil

Dredged samples

BT: Sediment samples
RT: Dredges (geology)

Dredgers

UF: Dredging vessels
BT: Surface craft
RT: Channels
Dredge spoil
Dredges
Dredging
Work platforms

Dredges

SN: Refers to fishing dredges
only. For sediment dredges use
DREDGES (GEOLOGY)
UF: Boat dredges
Dredges (fishing)
Hand dredges
BT: Fishing gear
RT: Boats
Dredgers

Dredges (fishing)

USE: **Dredges**

Dredges (geology)

BT: Sediment samplers
RT: Dredged samples
Seafloor sampling

Dredging

UF: Dredging (excavation)
RT: Dredge spoil
Dredgers
Excavation underwater
Port operations
Trenching

Dredging (catching methods)

USE: **Bottom trawling**

Dredging (excavation)

USE: **Dredging**

Dredging vessels

USE: **Dredgers**

Dressing

SN: Removal of scales, head and
tail from fish
UF: Fish dressing
BT: Fish handling
NT: Gutting
RT: Curing

Dried fish

USE: **Dried products**

Dried products

UF: Dehydrated products
Dried fish
Sun dried products
BT: Processed fishery products
NT: Freeze-dried products
RT: Cured products
Drying

Dried salted products
USE: **Cured products**

Drift

NT: Ice drift
Ship drift
RT: Anchoring
Continental drift
Drifters
Motion

Drift (biological)
USE: **Biological drift**

Drift (continental)
USE: **Continental drift**

Drift (genetic)
USE: **Genetic drift**

Drift (ice)
USE: **Ice drift**

Drift (sediments)
USE: **Glacial deposits**

Drift (ships)
USE: **Ship drift**

Drift bottles
SN: Before 1982 search
DRIFTERS
UF: Bottle post
BT: Surface drifters
RT: Drift cards

Drift buoys
USE: **Drifting data buoys**

Drift cards
SN: Before 1982 search
DRIFTERS
BT: Surface drifters
RT: Drift bottles

Drift currents
USE: **Wind-driven currents**

Drift lines
USE: **Lines**

Drift nets
USE: **Gillnets**

Drifters
UF: Floats (current measurement)
Lagrangian drifters
BT: Current measuring equipment

NT: Subsurface drifters
Surface drifters
RT: Drift

Drifting buoys
USE: **Drifting data buoys**

Drifting data buoys
SN: Before 1985 search also
DRIFT BUOYS
UF: Drift buoys
Drifting buoys
Expendable drifting buoys
Lagrangian drifting buoys
Satellite-tracked buoys
BT: Data buoys
Surface drifters
RT: Drifting stations

Drifting stations
BT: Oceanographic stations
RT: Drifting data buoys
Ice islands

Drill bits
USE: **Drills**

Drill holes
USE: **Boreholes**

Drill pipe
RT: Drill string
Drilling equipment
Drilling fluids
Drilling rigs
Drills

Drill stem
USE: **Drill string**

Drill string
UF: Drill stem
RT: Drill pipe
Drilling equipment
Drills
Heave compensators

Drilling
SN: Before 1986 search also
OFFSHORE DRILLING
UF: Boring
Offshore drilling
NT: Deep-sea drilling
RT: Boreholes
Coring
Drilling equipment
Drilling platforms
Heave compensators
Hydraulic fracturing
Oil and gas exploration
Oil wells
Production platforms
Seafloor sampling
Templates
Underwater exploration

Drilling devices
USE: **Drilling equipment**

Drilling equipment
SN: Before 1982 search
DRILLING DEVICES
UF: Drilling devices
BT: Equipment
NT: Drilling rigs
RT: Corers
Drill pipe
Drill string
Drilling
Drilling fluids
Drilling platforms
Production platforms

Drilling fluids
UF: Drilling muds
Muds (drilling)
Sludge (drilling fluids)
BT: Fluids
RT: Drill pipe
Drilling equipment

Drilling muds
USE: **Drilling fluids**

Drilling platforms
SN: Use with type of offshore structures
BT: Work platforms
RT: Drilling
Drilling equipment
Drilling rigs
Drilling vessels
Production platforms

Drilling rigs
UF: Oil rigs
Rigs
BT: Drilling equipment
RT: Drill pipe
Drilling platforms
Production platforms

Drilling ships
USE: **Drilling vessels**

Drilling vessels
UF: Drilling ships
RT: Deep-sea drilling
Drilling platforms
Production platforms
Surface craft
Work platforms

Drills
UF: Drill bits
BT: Sediment samplers
RT: Drill pipe
Drill string

Drinking water
UF: Potable water
BT: Water
RT: Fresh water

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- Non-living resources
- Water authorities
- Water reservoirs
- Water resources
- Water supply
- Water treatment

- Drogues**
 - BT: Surface drifters
 - RT: Anchors
 - Buoys
 - Current measuring equipment
 - Lagrangian current measurement

- Droplets**
 - UF: Drops
 - Rain drops
 - BT: Hydrometeors
 - RT: Bubble bursting
 - Capillarity
 - Spray

- Drops
 - USE: **Droplets**

- Dropsonde**
 - BT: Profilers
 - RT: Velocity profilers

- Dropwindsondes
 - USE: **Radiosondes**

- Drought resistance**
 - BT: Biological resistance
 - RT: Droughts
 - Environmental effects
 - Temporary ponds

- Droughts**
 - UF: Drouths
 - BT: Weather hazards
 - RT: Arid environments
 - Disasters
 - Drought resistance
 - Dry season
 - Rain
 - Rainfall
 - Temporary ponds
 - Water levels
 - Water resources

- Drouths
 - USE: **Droughts**

- Drowned valleys**
 - UF: Rias
 - BT: Coastal inlets
 - Valleys
 - RT: Coastal landforms
 - Fjords
 - Submarine valleys
 - Submerged shorelines

- Drowning**
 - BT: Marine accidents
 - RT: Bathing

- Diving accidents
- Diving hazards
- Mortality causes

- Drug pollution
 - USE: **Pharmaceutical pollution**

- Drug resistance**
 - UF: Resistance to drugs
 - BT: Biological resistance
 - RT: Control resistance
 - Disease resistance
 - Drugs

- Drug toxicology
 - USE: **Toxicology**

- Drugs**
 - UF: Pharmaceutical products
 - NT: Anaesthetics
 - Antibiotics
 - Aquatic drugs
 - Narcotics
 - Vaccines
 - Veterinary drugs
 - RT: Alkaloids
 - Antitumour agents
 - Antiviral agents
 - Coagulants
 - Drug resistance
 - Hormones
 - Inhibitors
 - Medicine
 - Pharmaceutical pollution
 - Pharmacology
 - Steroids
 - Therapy
 - Vitamins

- Dry bulb temperature
 - USE: **Air temperature**

- Dry diving
 - USE: **Deep-sea diving**

- Dry season**
 - BT: Seasons
 - RT: Droughts
 - Rainy season
 - Tropical environment
 - Tropical lakes

- Dry weight**
 - BT: Weight
 - RT: Drying

- Drydocks**
 - RT: Maintenance and repair
 - Port installations
 - Ship conversion
 - Ship technology
 - Shipyards
 - Surface craft

- Drying**
 - UF: Drying of fish
 - Fish drying

- BT: Processing fishery products
- NT: Freeze-drying
- RT: Adsorption
 - Curing
 - Dehydration
 - Desiccation
 - Dewatering
 - Dried products
 - Dry weight
 - Evaporation
 - Separation
 - Water content

- Drying of fish
 - USE: **Drying**

- Duck-fish culture
 - USE: **Agropisciculture**

- Ductless glands
 - USE: **Endocrine glands**

- Dumping
 - USE: **Ocean dumping**

- Dumping grounds
 - USE: **Waste disposal sites**

- Dune stabilization**
 - RT: Beach erosion
 - Coastal zone management
 - Dunes
 - Erosion control
 - Vegetation cover

- Dunes**
 - UF: Coastal dunes
 - Sand dunes (subaerial)
 - BT: Beach features
 - RT: Beaches
 - Bed forms
 - Coasts
 - Dune stabilization
 - Sand
 - Sand waves

- Dung
 - USE: **Manure**

- Dungeness crab fisheries
 - USE: **Crab fisheries**

- Durability
 - USE: **Toughness**

- Duration**
 - RT: Wave parameters
 - Wind wave generation
 - Wind wave parameters

- Dust**
 - NT: Cosmic dust
 - Eolian dust
 - RT: Air pollution
 - Atmospheric particulates
 - Dust clouds
 - Haze
 - Radioactive contamination

Dust (atmospheric)
USE: **Atmospheric particulates**

Dust (cosmic)
USE: **Cosmic dust**

Dust (volcanic)
USE: **Volcanic ash**

Dust clouds
UF: Dust falls
Dust storms
RT: Dust
Eolian transport
Haze
Volcanic ash

Dust falls
USE: **Dust clouds**

Dust storms
USE: **Dust clouds**

Dye dispersion
UF: Diffusion (dye patch)
BT: Dispersion
RT: Dyes
Oceanic turbulence
Turbulent diffusion

Dyes
BT: Tracers
NT: Rhodamine B-dye
RT: Dye dispersion
Pigments
Staining

Dynamic analysis
BT: Analysis

Dynamic height
UF: Geopotential
BT: Potential energy
RT: Dynamic height anomaly
Dynamic topography
Height
Stream functions

Dynamic height anomaly
UF: Geopotential anomaly
BT: Anomalies
RT: Dynamic height
Isobaric surfaces
Specific volume anomalies

Dynamic instability
USE: **Instability**

Dynamic loads
BT: Loads (forces)
RT: Cyclic loading
Structural dynamics

Dynamic positioning
BT: Positioning systems
RT: Acoustic beacons

Locating
Navigation
Thrusters

Dynamic response
BT: Instrument responses
NT: Heave response
Pitch response
Roll response
Surge response
Yaw response
RT: Frequency

Dynamic topography
UF: Geopotential topography
BT: Topography
RT: Dynamic height
Geostrophic flow
Geostrophic method
Isobaric surfaces
Streamlines
Surface slope
Surface topography

Dynamic viscosity
BT: Viscosity
RT: Eddy viscosity
Momentum transfer
Shear
Shear flow
Shear stress

Dynamical oceanography
BT: Oceanography
RT: Equatorial dynamics
Estuarine dynamics
Fluid mechanics
Fluid motion
Hydrodynamic equations
Marine geodesy
Nearshore dynamics
Ocean-atmosphere system
Ocean currents
Seiches
Shelf dynamics
Tides

Dynamics
BT: Mechanics
NT: Cable dynamics
Fluid dynamics
Hydrodynamics
Sediment dynamics
Structural dynamics

Dysprosium
BT: Lanthanides

Dystrophic lakes
SN: Lakes with brown- or tea-coloured waters, the colour being the result of high concentrations of humic substances and organic acids suspended in the water. Although dystrophic lakes are often considered acidic, and

nutrient-poor (oligotrophic), these lakes actually vary greatly in both pH and productivity
UF: Dystrophic waters
Humic lakes
BT: Lakes
RT: Eutrophic lakes
Eutrophic waters
Humic acids
Hypereutrophic waters
Hyperoligotrophic waters
Mesotrophic waters
Oligotrophic lakes
Oligotrophic waters
Stagnant water

Dystrophic waters
USE: **Dystrophic lakes**

Eagre
USE: **Tidal bores**

Ears
USE: **Auditory organs**

Earth
RT: Earth atmosphere
Earth curvature
Earth history
Earth orbit
Earth rotation
Earth sciences
Earth structure
Earth tides
Earth tilt
Geoid

Earth (soil)
USE: **Soils**

Earth age
USE: **Age**

Earth atmosphere
SN: Before 1982 search also
ATMOSPHERE (EARTH)
UF: Atmosphere (earth)
Terrestrial atmosphere
BT: Planetary atmospheres
NT: Stratosphere
Tropopause
Troposphere
Upper atmosphere
RT: Air
Atmospheric chemistry
Atmospheric motion
Atmospheric physics
Atmospheric pressure
Degassing
Earth
Greenhouse effect
Heat budget
Hygrometry
Meteorology
Ocean-atmosphere system
Ozone

Earth core

UF: Core (earth)
BT: Earth structure
RT: Earth mantle

Earth crust

UF: Crust (earth)
BT: Earth structure
NT: Continental crust
Oceanic crust
Sial
Sima
RT: Basement rock
Crustal shortening
Crustal structure
Crustal thickness
Earth mantle
Epeirogeny
Isostasy
Lithosphere
Tectonophysics

Earth currents

USE: **Telluric currents**

Earth curvature

RT: Earth

Earth history

RT: Atmosphere evolution
Earth

Earth magnetic field

USE: **Geomagnetic field**

Earth magnetism

USE: **Geomagnetism**

Earth mantle

SN: Before 1986 search also
MANTLE
UF: Mantle (earth)
BT: Earth structure
NT: Lower mantle
Upper mantle
RT: Continental drift
Degassing
Earth core
Earth crust
Mantle convection
Mantle plumes
Moho

Earth measurement

USE: **Geodesy**

Earth orbit

RT: Astronomy
Earth

Earth remote sensing

USE: **Geosensing**

Earth rotation

BT: Rotation
RT: Chandler wobble
Climatic changes

Earth

Polar wandering

Tidal friction

Earth sciences

NT: Atmospheric sciences
Geology
Geophysics
Oceanography
RT: Aquatic sciences
Earth

Earth structure

NT: Aseismic zones
Asthenosphere
Basement rock
Benioff zone
Earth core
Earth crust
Earth mantle
Lithosphere
Plates
Seismic layers
Seismic zones
RT: Continents
Earth
Moho

Earth tides

UF: Tides (earth)
BT: Tidal motion
RT: Atmospheric tides
Earth
Geodesy
Ocean loading
Tides
Tiltmeters

Earth tilt

RT: Earth

Earth waves

USE: **Seismic waves**

Earthquake loading

BT: Loads (forces)
RT: Earthquakes
Ground motion
Seismic activity

Earthquake prediction

BT: Prediction
RT: Earthquakes
Warning services

Earthquake waves

USE: **Seismic waves**

Earthquakes

UF: Seismic events
BT: Geological hazards
NT: Microearthquakes
RT: Active margins
Disasters
Earthquake loading
Earthquake prediction
Epicentres

Ground motion

Seaquakes

Seismic activity

Seismology

Slumping

Tsunami generation

Tsunamis

Easterly waves

RT: Equatorial easterlies
Equatorial trough
Tropical depressions
Tropical meteorology

Eastern boundary currents

BT: Boundary currents
RT: Coastal upwelling
Ekman transport
Tidal cycles

Ebb currents

BT: Tidal currents
RT: Low tide
Tidal cycles

Ecdysis

USE: **Moulting**

Ecdysones

USE: **Ecdysones**

Ecdysones

SN: Before 1982 search
HORMONES
UF: Ecdysones
Moulting hormones
BT: Hormones
RT: Moulting

Echinoderm culture

NT: Sea cucumber culture
Sea urchin culture
RT: Aquaculture

Echinoderm fisheries

BT: Shellfish fisheries
NT: Sea cucumber fisheries
Sea urchin fisheries
RT: Coastal fisheries
Marine fisheries

Echo counting systems

USE: **Fish counters**

Echo integration

USE: **Echo integrators**

Echo integrators

UF: Echo integration
RT: Acoustic equipment
Echoes
Fish counters
Sonar detection

Echo ranging

UF: Acoustic direction finding
Acoustic distance measurement

ASFA THESAURUS

- Sound ranging
- RT: Acoustic tracking systems
- Active sonar
- Detection
- Direction
- Echoes
- Echolocation
- Sonar detection
- Echo surveys**
- UF: Acoustic surveys
- BT: Surveys
- RT: Echoes
- Echosounders
- Echosounding
- Fish sizing
- Fishery surveys
- Survey design
- Tracking
- Echoes**
- RT: Acoustics
- Echo integrators
- Echo ranging
- Echo surveys
- Echolocation
- Echosounder profiles
- Echosounders
- Echosounding
- Echolocation**
- RT: Auditory organs
- Behaviour
- Echo ranging
- Echoes
- Sonar detection
- Sound production
- Echosounder profiles**
- BT: Analog records
- RT: Bathymetric profiles
- Echoes
- Geological sections
- Vertical sections
- Echosounders**
- UF: Precision echosounders
- BT: Acoustic equipment
- RT: Active sonar
- Depth recorders
- Echo surveys
- Echoes
- Echosounding
- Sound recorders
- Wave measuring equipment
- Echosounding**
- SN: For detection of organisms and abundance estimation, depth and bottom structure
- UF: Depth finding
- BT: Depth measurement
- RT: Bathymetry
- Bottom topography
- Echo surveys
- Echoes
- Echosounders
- Remote sensing**
- Scattering layers
- Seafloor mapping
- Sound waves
- Soundings
- Sub-bottom profiling
- Eclipse (solar)
- USE: **Solar eclipse**
- Ecoclines**
- BT: Clines
- RT: Ecological distribution
- Ecological zonation
- Ecolabelling**
- SN: Ecolabelling is generally a voluntary system aimed at encouraging sustainable use of resources by giving consumers a clear choice. For fish products, a distinctive logo or statement marks the product as having been harvested in compliance with conservation and sustainability standards
- RT: Certification
- Organic aquaculture
- Ecological aggregations**
- UF: Aggregations (ecological)
- RT: Environmental effects
- Social behaviour
- Ecological associations**
- SN: A characteristic association of animals and/or plants belonging to a particular habitat. Before 1982 search ASSOCIATIONS (ECOLOGICAL)
- UF: Animal associations
- Assemblages
- Associations (animal)
- Associations (ecological)
- Organism associations
- RT: Aquatic communities
- Biocoenosis
- Biotopes
- Climax community
- Cohorts
- Colonies
- Dominant species
- Ecological succession
- Habitat
- Synecology
- Ecological balance**
- SN: The state of dynamic equilibrium of a biotic community or ecosystem
- UF: Balance (ecological)
- Balance of nature
- Biological balance
- Biological equilibrium
- Ecosystem stability
- Stability (ecological)
- RT: Ecological crisis
- Ecology
- Ecosystem management
- Ecosystems
- Ecological balance disruption
- USE: **Ecological crisis**
- Ecological baseline studies
- USE: **Baseline studies**
- Ecological crisis**
- UF: Ecological balance disruption
- RT: Ecological balance
- Ecology
- Environmental effects
- Pollution
- Ecological distribution**
- BT: Distribution
- RT: Biogeography
- Biological rhythms
- Ecoclines
- Ecological zonation
- Ecology
- Ecosystems
- Endemic species
- Environmental effects
- Geographical distribution
- Limiting factors
- Migrations
- Relict species
- Ecological diversity
- USE: **Species diversity**
- Ecological efficiency**
- SN: Ratio of production to food ingestion
- UF: Efficiency (ecological)
- RT: Energy budget
- Food consumption
- Nutritional requirements
- Ecological niches
- USE: **Niches**
- Ecological physiology
- USE: **Ecophysiology**
- Ecological restoration
- USE: **Environmental restoration**
- Ecological sciences
- USE: **Ecology**
- Ecological succession**
- SN: Before 1982 search SUCCESSION (ECOLOGICAL)
- UF: Succession (ecological)
- RT: Aquatic communities
- Climax community
- Community composition
- Dominant species
- Ecological associations
- Habitat
- Multispecies fisheries
- Species diversity

Ecological tourism
USE: **Ecotourism**

Ecological zonation

UF: Intertidal zonation
Littoral zonation
Zonation (ecological)
RT: Benthos
Ecoclines
Ecological distribution
Intertidal environment
Littoral zone
Sheltered habitats
Substrata
Tides
Vertical distribution

Ecologists

BT: Scientific personnel
NT: Freshwater ecologists
Marine ecologists
RT: Ecology

Ecology

UF: Aquatic ecology
Bionomics
Ecological sciences
Lake ecology
NT: Autecology
Brackishwater ecology
Ethology
Freshwater ecology
Genecology
Marine ecology
Palaeoecology
Parasitology
Phytosociology
Planktonology
Radioecology
Synecology
RT: Biofacies
Biogeography
Biology
Ecological balance
Ecological crisis
Ecological distribution
Ecologists
Ecophysiology
Ecosystems
Ecotoxicology
Environmental conditions
Phenology
Photoperiodicity
Species

Econometric models
USE: **Economic models**

Econometrics

SN: Statistical analysis of economic data with the aid of electronic computers
BT: Economics
RT: Economic analysis
Linear programming

Economic analysis

UF: Economic evaluations
BT: Analysis
RT: Cost analysis
Econometrics
Economic benefits
Economic models
Evaluation
Profits
Return on investment
Statistical analysis

Economic benefits

RT: Cost-benefit analysis
Economic analysis
Economic feasibility
Poverty alleviation
Profits

Economic evaluations

USE: **Economic analysis**

Economic feasibility

SN: Before 1982 search
FEASIBILITY
BT: Feasibility
RT: Cost analysis
Economic benefits

Economic models

UF: Econometric models
BT: Mathematical models
RT: Economic analysis
Economics
Private sector

Economic resources

USE: **Resources**

Economic species

USE: **Commercial species**

Economics

NT: Bioeconomics
Econometrics
Fishery economics
Globalization
RT: Commerce
Economic models
Livelihoods
Poverty alleviation
Trade

Ecophene

SN: A type of individual developing as a result of a physiological, as opposed to genetic, response to habitat factors
RT: Ecophysiology
Phenotypes

Ecophysiology

UF: Ecological physiology
Physiological ecology
BT: Physiology
RT: Aestivation

Biological resistance
Ecology
Ecophene
Environmental effects
Photoperiods
Survival
Tolerance

Ecosystem approach

SN: The integrated management of land, water and living resources that promotes conservation and sustainable use in an equitable way
RT: Coastal zone management
Conservation
Ecosystem management
Ecosystems
Environment management
Environmental monitoring
Fishery management
Resource management
Sustainable development

Ecosystem disturbance

UF: Disturbance (ecosystem)
NT: Fishing down aquatic food webs
RT: Ecosystems
Vulnerable marine ecosystems

Ecosystem diversity

USE: **Biodiversity**

Ecosystem management

SN: Management of aquatic ecosystems
BT: Management
NT: Coastal zone management
River basin management
RT: Biomanipulation
Ecological balance
Ecosystem approach
Ecosystems
Environment management
Environmental restoration
Vulnerable marine ecosystems

Ecosystem resilience

UF: Resilience (ecosystem)
RT: Colonization
Ecosystems

Ecosystem services

SN: The direct and indirect contributions of ecosystems to human well-being
RT: Biodiversity
Carbon sinks
Climatology
Human food
Oxygenation
Phytoplankton
Water purification

Ecosystem stability

USE: **Ecological balance**

Ecosystems

NT: Vulnerable marine ecosystems
RT: Aquatic communities
Aquatic environment
Bioenergetics
Biological production
Ecological balance
Ecological distribution
Ecology
Ecosystem approach
Ecosystem disturbance
Ecosystem management
Ecosystem resilience
Food webs
Niches
Trophic levels
Trophic structure

Ecotourism

UF: Ecological tourism
Ecotravel
Environmental tourism
Green tourism
Nature tourism
BT: Tourism

Ecotoxicology

BT: Toxicology
RT: Ecology
Nanoparticles

Ecotravel

USE: **Ecotourism**

Ecotypes

SN: A biotype resulting from selection in a particular habitat
UF: Habitat types
RT: Adaptations
Biological speciation
Habitat
Typology

Ectocrines

RT: Hormones
Metabolites

Ectoderm

USE: **Skin**

Ectoparasites

BT: Parasites
RT: Ectoparasitism
Epizootics
Lamprey attachment

Ectoparasitism

BT: Parasitism
RT: Ectoparasites

Ectosymbionts

USE: **Symbionts**

Eddies

BT: Water motion

NT: Lee eddies
Oceanic eddies

Eddies (lee)

USE: **Lee eddies**

Eddies (oceanic)

USE: **Oceanic eddies**

Eddy coefficients

USE: **Exchange coefficients**

Eddy conduction

UF: Eddy heat conduction
Eddy heat flux
Turbulent heat transfer
BT: Heat transfer
RT: Eddy conductivity
Heat conduction
Turbulent diffusion

Eddy conduction coefficient

USE: **Eddy conductivity**

Eddy conductivity

UF: Eddy conduction coefficient
BT: Eddy diffusivity
RT: Eddy conduction
Thermal conductivity
Turbulence

Eddy diffusion

USE: **Turbulent diffusion**

Eddy diffusion coefficient

USE: **Eddy diffusivity**

Eddy diffusivity

UF: Eddy diffusion coefficient
NT: Eddy conductivity
RT: Diffusion coefficients
Thermal diffusivity
Turbulence
Turbulent diffusion

Eddy flux

UF: Turbulent exchange
RT: Exchange coefficients
Mixing length

Eddy heat conduction

USE: **Eddy conduction**

Eddy heat flux

USE: **Eddy conduction**

Eddy kinetic energy

UF: Turbulent energy
BT: Kinetic energy
RT: Mesoscale eddies

Eddy stresses

USE: **Reynolds stresses**

Eddy viscosity

UF: Kinematic eddy viscosity

BT: Viscosity

RT: Dynamic viscosity
Eddy viscosity coefficient
Mixing length
Momentum transfer
Reynolds stresses
Turbulence
Turbulent diffusion
Turbulent flow

Eddy viscosity coefficient

UF: Coefficient of eddy viscosity
BT: Viscosity coefficients
RT: Eddy viscosity

Edge waves

BT: Trapped waves
RT: Beach cusps
Rip currents
Tsunamis
Waves on beaches

Edible crab fisheries

USE: **Crab fisheries**

Edible fish

USE: **Food fish**

Education

UF: Fishery education
Teaching
RT: Capacity building
Curricula
Education establishments
Extension activities
Fellowships
Indigenous knowledge
Online instruction
Training

Education establishments

UF: Schools (educational)
Universities
BT: Organizations
RT: Education
Research institutions
Training centres

Eel culture

SN: Before 2016 search FISH
CULTURE + Species name
BT: Fish culture

EEZ

USE: **Exclusive economic zone**

Effect traits

USE: **Biological traits**

Efferent nerves

USE: **Nerves**

Efficiency

RT: Calibration
Performance assessment

Efficiency (ecological)
USE: **Ecological efficiency**

Effluents

BT: Wastes
NT: Aquaculture effluents
RT: Influent
Nonpoint pollution sources
Outfalls
Point source pollution
Sewage
Waste water
Wastewater treatment
White water effluents

Effluents (aquaculture)
USE: **Aquaculture effluents**

Egg counters

BT: Counters
RT: Eggs

Egg production
USE: **Fecundity**

Eggs

UF: Ova
BT: Sexual cells
NT: Bird eggs
Brine shrimp eggs
Fish eggs
Insect eggs
Oocytes
Resting eggs
RT: Egg counters
Embryology
Embryonic development
Embryos
Fecundity
Gynogenesis
Hatching
Incubation
Oogenesis
Oviparity
Oviposition
Ovoviviparity
Ovulation
Vitellogenesis
Yolk

EH
USE: **Redox potential**

EIA

USE: Environmental assessment
OR
Enzyme-linked immunosorbent assay

Eigenfunctions

SN: Solutions of differential equations satisfying specific conditions
RT: Differential equations
Mathematics

Ekman boundary layers
USE: **Ekman layers**

Ekman circulation
USE: **Ekman transport**

Ekman current
USE: **Ekman transport**

Ekman layers

UF: Ekman boundary layers
BT: Boundary layers
NT: Bottom Ekman layer
Surface Ekman layer
RT: Ekman spiral
Vertical shear

Ekman pumping

UF: Ekman suction
RT: Upwelling

Ekman spiral

BT: Hodographs
RT: Coriolis parameters
Ekman layers
Wind-driven currents

Ekman suction
USE: **Ekman pumping**

Ekman transport

UF: Ekman circulation
Ekman current
BT: Transport
Upwelling
RT: Eastern boundary currents
El Nino phenomena

El Nino phenomena

RT: Coastal upwelling
Disasters
Ekman transport
Southern oscillation
Teleconnections

Elastic constants

BT: Constants
NT: Bulk modulus
Shear modulus
RT: Elasticity
Poisson's ratio
Soil mechanics

Elastic waves

UF: Pressure waves
Waves (elastic)
NT: Seismic waves
Sound waves
RT: Vibration

Elasticity

UF: Anelasticity
BT: Mechanical properties
RT: Bulk modulus
Compressibility
Deformation
Elastic constants
Flexibility
Plasticity

Poisson's ratio
Rock mechanics
Shear modulus
Soil mechanics
Strain
Stress (mechanics)
Tensile strength

Electric arc welding

BT: Welding
RT: Electrodes

Electric batteries
USE: **Batteries**

Electric cables

BT: Cables
NT: Coaxial cables
Power cables
Submarine cables
RT: Connectors
Electrical equipment
Riser cables
Umbilicals

Electric charge

BT: Electricity
RT: Bubble bursting
Capacitance
Electrical properties

Electric currents

UF: Currents (electric)
NT: Impressed currents
Telluric currents
RT: Current density
Electric fields
Electricity

Electric fences

BT: Guiding devices
RT: Electric fishing
Electric stimuli
Electrified gear

Electric fields

BT: Fields
RT: Electric currents
Electric potential
Electrical conductivity
Electromagnetic radiation

Electric fishing

UF: Electro-fishing
BT: Catching methods
RT: Electric fences
Electric stimuli
Electrified gear
Pump fishing
Stupefying methods

Electric generators

UF: Generators
BT: Electric power sources
RT: Electrical equipment
Motors

Electric impedance

BT: Electrical properties
Impedance
RT: Capacitance
Electrical conductivity
Electrical resistivity

Electric organs

UF: Electoreceptors
RT: Bioelectricity
Electric stimuli
Stinging organs

Electric potential

UF: Electric potential difference
RT: Current velocity
Electric fields
Electrical properties
Electrodes
Electromagnetism
GEK

Electric potential difference

USE: **Electric potential**

Electric power plants

USE: **Power plants**

Electric power sources

UF: Power supplies
Power systems
NT: Batteries
Electric generators
Solar cells
Wave power devices
RT: Electricity
Energy resources
Motors
Power consumption
Power plants

Electric shocking gear

USE: **Electrified gear**

Electric stimuli

BT: Stimuli
RT: Electric fences
Electric fishing
Electric organs
Electrophysiology

Electrical conductance

USE: **Electrical conductivity**

Electrical conductivity

SN: Before 1982 search also
ELECTRICAL
CONDUCTANCE
UF: Conductance (electrical)
Conductivity (electrical)
Electrical conductance
BT: Electrical properties
RT: Conductivity ratio
Conductivity sensors
CTD profilers
Electric fields
Electric impedance

Electrical resistivity

Refractive index

Electrical conductivity sensors

USE: **Conductivity sensors**

Electrical engineering

BT: Engineering

Electrical equipment

BT: Equipment
NT: Electroacoustic devices
Electrodes
Electronic equipment
RT: Batteries
Electric cables
Electric generators

Electrical exploration

BT: Geophysical exploration
RT: Coast effect
Electrical resistivity

Electrical insulation

BT: Insulating materials

Electrical properties

BT: Physical properties
NT: Capacitance
Dielectric constant
Electric impedance
Electrical conductivity
Electrical resistivity
RT: Capillarity
Chemical properties
Electric charge
Electric potential
Electricity
Electroanalysis
Electrochemistry
Electrodialysis
Electrolysis
Electrophoresis
Luminescence
Thermodynamic properties

Electrical resistivity

UF: Resistivity (electrical)
BT: Electrical properties
RT: Electric impedance
Electrical conductivity
Electrical exploration
Magnetotelluric methods
Permeability
Porosity

Electricity

NT: Atmospheric electricity
Electric charge
RT: Electric currents
Electric power sources
Electrical properties
Electromagnetism
Power consumption

Electrified gear

UF: Electric shocking gear

Electrified nets

BT: Fishing gear

RT: Electric fences

Electric fishing

Stupefying methods

Electrified nets

USE: **Electrified gear**

Electro-fishing

USE: **Electric fishing**

Electroacoustic devices

BT: Acoustic equipment
Electrical equipment
RT: Acoustic transducers
Electronic equipment
Pingers

Electroanaesthesia

USE: **Anaesthesia**

Electroanalysis

UF: Electrolytic analysis
BT: Analysis
RT: Chemical elements
Electrical properties
Electrochemistry
Polarography
Voltammetry

Electrochemistry

BT: Chemistry
RT: Chemical properties
Chemical reactions
Corrosion
Electrical properties
Electroanalysis
Electrodialysis
Electrolysis
Electrophoresis

Electrodes

BT: Electrical equipment
NT: Anodes
Cathodes
RT: Electric arc welding
Electric potential

Electrodialysis

BT: Dialysis
RT: Desalination
Electrical properties
Electrochemistry
Electrophoresis

Electrolysis

BT: Chemical reactions
RT: Analysis
Anions
Cations
Chemical degradation
Corrosion
Electrical properties
Electrochemistry
Electrolytes
Ion transport

Oxidation
Polarization
Polarography
Voltammetry

Electrolytes

RT: Electrolysis

Electrolytic analysis

USE: **Electroanalysis**

Electromagnetic exploration

UF: Electromagnetic survey

BT: Geophysical exploration

RT: Magnetotelluric methods

Electromagnetic power

BT: Power from the sea

RT: Batteries

Electromagnetism

Electromagnetic radiation

UF: Electromagnetic waves

Waves (electromagnetic)

BT: Radiations

NT: Gamma radiation

Infrared radiation

Light

Microwaves

Radio waves

Solar radiation

Terrestrial radiation

Ultraviolet radiation

X-rays

RT: Electric fields

Electromagnetism

Geosensing

Lasers

Luminescence

Magnetic fields

Nuclear radiations

Polarization

Radar imagery

Radiative transfer

Radiometers

Remote sensing

Thermal radiation

Electromagnetic survey

USE: **Electromagnetic exploration**

Electromagnetic waves

USE: **Electromagnetic radiation**

Electromagnetism

BT: Magnetism

RT: Electric potential

Electricity

Electromagnetic power

Electromagnetic radiation

Electron microscopes

USE: **Electron microscopy**

Electron microscopy

UF: Electron microscopes

Scanning electron microscopy

BT: Microscopy

RT: Ultrastructure

Electronic equipment

BT: Electrical equipment

NT: Calculators

Computers

Robots

RT: Acoustic equipment

Airborne equipment

Electroacoustic devices

Electronic noise

Recording equipment

Remote sensing equipment

Satellites

Sensors

Sonar

Test equipment

Thermistors

Thermocouples

Transponders

Electronic learning

USE: **Online instruction**

Electronic models

USE: **Analog models**

Electronic noise

UF: Noise (electronics)

RT: Electronic equipment

Signal-to-noise ratio

Electrophoresis

UF: Electrophoretic analysis

BT: Analytical techniques

RT: Biochemical analysis

Colloids

Electrical properties

Electrochemistry

Electrodialysis

Protein fingerprinting

Separation

Serological studies

Serological taxonomy

Electrophoretic analysis

USE: **Electrophoresis**

Electrophoretic marking

USE: **Marking**

Electrophysiology

BT: Physiology

RT: Electric stimuli

Electroreceptors

USE: **Electric organs**

Elements

USE: **Chemical elements**

Elements (chemical)

USE: **Chemical elements**

Elisa

USE: **Enzyme-linked immunosorbent assay**

Elvers

USE: **Juveniles**

Embankments

UF: Dikes (embankments)

BT: Banks (topography)

NT: Levees

RT: Flood control

Polders

Semi-enclosed seas

Embrittlement

BT: Brittleness

Cracking (corrosion)

Deterioration

Stress corrosion

Embryology

BT: Biology

RT: Eggs

Embryonic development

Embryos

Morphogenesis

Ontogeny

Organogenesis

Vitellogenesis

Zoology

Embryonic development

BT: Biological development

RT: Eggs

Embryology

Embryos

Morphogenesis

Vitellogenesis

Embryos

BT: Developmental stages

NT: Foetus

RT: Eggs

Embryology

Embryonic development

Larvae

Emergence

SN: Appearance of the imago from the pupa-case or pupal integument

RT: Developmental stages

Nymphs

Emergencies

RT: Accidents

Disasters

Evacuation

Emergency vessels

UF: Standby vessels

RT: Fire fighting

Search and rescue

Support ships

Surface craft

Emergent coasts

USE: **Emergent shorelines**

Emergent shorelines

UF: Emergent coasts
BT: Coasts
RT: Deglaciation
Epeirogeny
Progradation
Raised beaches
Regressions
Submerged shorelines
Uplift

Emergent vegetation

RT: Aquatic plants
Vegetation cover

Emission spectroscopy

BT: Spectroscopic techniques

Emissivity

RT: Absorption coefficient
Optical properties
Radiance
Surface properties

Employees

USE: **Personnel**

Emulsions

RT: Colloids
Oil in water content
Solutions

Enclosures

BT: Barrages
RT: Fish ponds

Encrustations

USE: **Concretions**

Encyclopaedias

UF: Encyclopedias
BT: Documents

Encyclopedias

USE: **Encyclopaedias**

Encystment

SN: The formation by an organism
of a protective capsule
surrounding itself
BT: Biological phenomena
RT: Cysts
Defence mechanisms
Spores

Endangered organisms

USE: **Rare species**

Endangered species

USE: **Rare species**

Endemic species

SN: A species confined naturally
to a certain limited area or
region

BT: Species

RT: Biogeography
Ecological distribution
Endemism
Geographical distribution
Introduced species
Migratory species

Endemicity

USE: **Endemism**

Endemism

UF: Endemicity
RT: Biogeography
Endemic species
Geographical distribution

Endocrine disruptors

SN: A synthetic chemical that
when absorbed into an organism
either mimics or blocks
hormones and disrupts the
normal functions of the
organism. Known human
endocrine disruptors include but
are not limited to: dioxin, PCBs,
DDT, and some other pesticides.
BT: Chemical pollutants

Endocrine glands

UF: Ductless glands
Endocrine systems
BT: Glands
NT: Adrenal glands
Gonads
Pituitary gland
Thymus
Thyroid
RT: Endocrinology
Hormones

Endocrine systems

USE: **Endocrine glands**

Endocrinology

BT: Physiology
RT: Endocrine glands
Enzymes
Hormones
Metabolism

Endofauna

USE: **Burrowing organisms**

Endogenous rhythms

USE: **Biological rhythms**

Endoparasites

BT: Parasites
RT: Endoparasitism
Phagocytosis
Toxicity

Endoparasitism

BT: Parasitism
RT: Endoparasites
Phagocytosis

Endoskeleton

BT: Skeleton
NT: Bones
RT: Otoliths
Vertebrae counts

Endosymbionts

USE: **Symbionts**

Endothelium

USE: **Epithelia**

Endotoxins

SN: Poisonous substances
produced and retained within a
cell, and released only after
death of the cell
BT: Biological poisons
RT: Bacteria
Bacterial diseases
Bacteriology

Energy

SN: Use does not include energy
resources
NT: Geothermal energy
Heat
Kinetic energy
Nuclear energy
Potential energy
Wave energy
RT: Conservation of energy
Energy balance
Energy budget
Energy flow
Energy resources
Free energy

Energy balance

RT: Energy
Energy budget
Energy flow

Energy budget

NT: Heat budget
RT: Bioenergetics
Calorimetry
Cycles
Ecological efficiency
Energy
Energy balance
Energy dissipation
Energy flow
Entropy
Hydrologic cycle
Interface phenomena
Nutrients (mineral)

Energy dissipation

BT: Energy transfer
NT: Wave dissipation
RT: Energy budget
Friction

Energy flow

RT: Energy

Energy balance
Energy budget
Food webs
Metabolism
Solar radiation
Trophic levels
Trophodynamic cycle

Energy flux
USE: **Energy transfer**

Energy resources
UF: Energy sources
BT: Natural resources
NT: Geothermal power
Hydroelectric power
Power from the sea
Solar power
Wind power
RT: Electric power sources
Energy
Fossil fuels
Green energy
Oil reserves
Wind farms

Energy sources
USE: **Energy resources**

Energy spectra
UF: Power spectra
BT: Spectra
RT: Directional spectra
Frequency spectra
Water currents
Water waves

Energy transfer
UF: Energy flux
Transfer of properties
NT: Energy dissipation
Heat transfer
Radiative transfer
RT: Air-water exchanges
Air-water interface
Baroclinic instability
Barotropic instability
Mass transfer
Moisture transfer
Momentum transfer
Wave energy
Wave generation
Wave interactions

Enforcement
USE: **Surveillance and enforcement**

Engineering
SN: Use of a more specific term is recommended
NT: Aquaculture engineering
Chemical engineering
Civil engineering
Coastal engineering
Electrical engineering
Fishery engineering

Hydraulic engineering
Offshore engineering
Petroleum engineering
River engineering
Sanitary engineering
Structural engineering
RT: Design
Engineering drawings
Engineers
Technology

Engineering drawings
UF: Blueprints
BT: Graphics
RT: Design
Engineering

Engineers
BT: Experts
RT: Engineering

Engines
USE: **Motors**

Enmeshing nets
USE: **Gillnets**

Enstrophy
SN: Total squared vorticity
BT: Vorticity

Entanglement
NT: Bird entanglement
Fish entanglement
Mammal entanglement
Turtle entanglement

Entangling nets
UF: Trammels
BT: Fishing nets
RT: Gillnets

Enteric redmouth
USE: **Redmouth disease**

Enthalpy
BT: Thermodynamic properties
NT: Sublimation heat
Vaporization heat
RT: Conservative properties
Entropy
Free energy
Specific heat
Thermodynamics

Entomologists
BT: Zoologists
RT: Entomology
Taxonomists

Entomology
BT: Invertebrate zoology
RT: Aquatic insects
Entomologists

Entrainment
SN: Intaking of free-floating

organisms from surrounding waters through power plant screens. For entrainment as a hydrodynamic process use **TURBULENT ENTRAINMENT**
UF: Plankton entrainment
Power plant entrainment
RT: Cooling water
Impingement
Turbulent entrainment

Entropy
BT: Thermodynamic properties
RT: Energy budget
Enthalpy
Heat transfer
Thermodynamics

Environment degradation
USE: **Environmental degradation**

Environment management
SN: Management of the aquatic environment
UF: Environmental planning
BT: Management
RT: Aquatic environment
Ecosystem approach
Ecosystem management
Environmental legislation
Environmental monitoring
Environmental restoration
Environmental surveys
Land management
Nature conservation
Precautionary principle
Resource conservation
Resource management
Spatial planning
Stewardship
Visual impact
Waste treatment

Environmental assessment
UF: EIA
Environmental Impact Assessment
RT: Environmental conditions
Environmental effects
Environmental factors
Environmental impact
Environmental monitoring
Environmental surveys
Swept area
Visual impact

Environmental charts
SN: Distributional charts of physico-chemical factors in aquatic environment
BT: Maps
RT: Environmental conditions
Environmental factors
Environmental surveys
Environments

- Hydrographic charts
Isohalines
Isotherms
- Environmental chemistry
USE: **Geochemistry**
- Environmental conditions**
RT: Ecology
Environmental assessment
Environmental charts
Environmental diseases
Environmental effects
Environmental factors
Environmental surveys
Environments
Limiting factors
Sea state
Wave climate
- Environmental contamination
USE: **Pollution**
- Environmental degradation**
SN: Degradation of the aquatic environment as a result of natural events or caused by man's activities.
UF: Environment degradation
Habitat degradation
BT: Degradation
NT: Habitat loss
RT: Aquatic environment
Environmental impact
Man-induced effects
Pollution effects
- Environmental diseases**
SN: Diseases associated with physical or physico-chemical abnormalities of water
UF: Abiotic diseases
BT: Diseases
RT: Animal diseases
Environmental conditions
Husbandry diseases
Sunburn
- Environmental effects**
SN: Effects of environmental conditions on living organisms and fisheries
NT: Culture effects
Gravity effects
Group effects
Light effects
pH effects
Pressure effects
Salinity effects
Temperature effects
Tidal effects
RT: Aestivation
Biological production
Biological resistance
Biological traits
Disease resistance
Drought resistance
- Ecological aggregations
Ecological crisis
Ecological distribution
Ecophysiology
Environmental assessment
Environmental conditions
Environmental factors
Environments
Evapotranspiration
Hibernation
Natural selection
Phenotypes
Phenotypic variations
Resting stages
Synecology
Tolerance
Vertical migrations
Weathering
- Environmental factors**
NT: Abiotic factors
Anthropogenic factors
Biotic factors
RT: Coral bleaching
Discontinuity layers
Environmental assessment
Environmental charts
Environmental conditions
Environmental effects
Environmental surveys
Environments
Food availability
Habitat selection
Limiting factors
Marine ecology
Seismic activity
Thermocline
Water properties
- Environmental impact**
SN: The change in well-being of the ecosystems, that results from a process set in motion or accelerated by man's actions
RT: Acid mine drainage
Environmental assessment
Environmental degradation
Environmental legislation
Globalization
Hazard assessment
Man-induced effects
Pollution effects
Soil salinization
Water salinization
- Environmental Impact Assessment
USE: **Environmental assessment**
- Environmental legislation**
SN: Legislation for protection of aquatic environment and organisms
BT: Legislation
NT: Pollution legislation
RT: Conservation
Environment management
Environmental impact
- Environmental protection
Law of the sea
- Environmental monitoring**
BT: Monitoring
NT: Pollution monitoring
RT: Ecosystem approach
Environment management
Environmental assessment
Environmental protection
Ocean colour
Warning services
- Environmental planning
USE: **Environment management**
- Environmental pollution
USE: **Pollution**
- Environmental protection**
BT: Protection
NT: Shore protection
RT: Bioremediation
Conservation
Environmental legislation
Environmental monitoring
Pollution control
Spatial planning
- Environmental rehabilitation
USE: **Environmental restoration**
- Environmental remediation
USE: **Environmental restoration**
- Environmental restoration**
UF: Ecological restoration
Environmental rehabilitation
Environmental remediation
BT: Restoration
NT: Coral reef restoration
Lake restoration
Mangrove restoration
River restoration
Wetland restoration
RT: Ecosystem management
Environment management
Land management
- Environmental surveys**
BT: Surveys
NT: Limnological surveys
Oceanographic surveys
Pollution surveys
RT: Aquatic environment
Biological surveys
Environment management
Environmental assessment
Environmental charts
Environmental conditions
Environmental factors
- Environmental tourism
USE: **Ecotourism**

Environments

SN: Use of a more specific term is recommended
 NT: Aquatic environment
 Palaeoenvironments
 Sedimentary environments
 Tropical environment
 RT: Environmental charts
 Environmental conditions
 Environmental effects
 Environmental factors

Enzymatic activity

UF: Enzyme activity
 Enzymic activity
 RT: Biochemical substrates
 Biosynthesis
 Catalysts
 Digestion
 Enzymes
 Metabolism

Enzymatic hydrolysis

USE: **Enzymolysis**

Enzyme-linked immunosorbent assay

SN: A biochemical technique that uses antibodies and colour change to identify a substance.
 Before 2016 also search Elisa
 UF: EIA
 Elisa
 Enzyme immunoassay
 BT: Immunoassays
 RT: Analytical techniques
 Antigens
 Biochemistry

Enzyme activity

USE: **Enzymatic activity**

Enzyme immunoassay

USE: **Enzyme-linked immunosorbent assay**

Enzyme inhibitors

SN: Before 1982 search INHIBITORS
 BT: Inhibitors
 NT: Cholinesterase inhibitors
 RT: Enzymes
 Metabolism

Enzyme substrate

USE: **Biochemical substrates**

Enzymes

UF: Cellulase
 Heteroenzymes
 Isodynamic enzymes
 Ligases
 Permeases
 Proteinase
 NT: Allozymes
 Carbonic anhydrase
 Coenzymes

Dehydrogenases

Hydrolases

Isoenzymes

Isomerases

Lyases

Oxidoreductases

Phosphatase

Transferases

RT: Autolysis

Biochemical substrates

Catalysts

Colloids

Endocrinology

Enzymatic activity

Enzyme inhibitors

Enzymolysis

Fermentation

Hormones

Proteins

Enzymic activity

USE: **Enzymatic activity**

Enzymolysis

SN: Hydrolysis by means of enzymes

UF: Enzymatic hydrolysis

BT: Hydrolysis

RT: Enzymes

Eocene

SN: Before 1982 search EOCENE

EPOCH

BT: Palaeogene

Eolian deposits

SN: Consolidated wind-blown deposits

UF: Aeolian deposits

RT: Allochthonous deposits

Clastics

Eolian processes

Eolian transport

Sabkhas

Sandstone

Terrigenous sediments

Volcanic ash

Eolian dust

SN: Restrict use to dust of terrigenous origin found in sediments, suspended particulate matter or at sea surface

UF: Aeolian dust

BT: Dust

RT: Cosmic dust

Eolian processes

Eolian transport

Palaeoclimatology

Suspended particulate matter

Terrigenous sediments

Volcanic ash

Eolian processes

UF: Aeolian processes

RT: Eolian deposits

Eolian dust

Eolian transport

Winds

Eolian transport

UF: Aeolian transport

BT: Sediment transport

RT: Dust clouds

Eolian deposits

Eolian dust

Eolian processes

Volcanic ash

Wind abrasion

Winds

Eotvos correction

USE: **Gravity corrections**

Epeirogeny

SN: Movements which affect large tracts of the earth's crust

UF: Bathymesis

Vertical movements (geology)

BT: Tectonics

NT: Subsidence

Uplift

RT: Continents

Crustal adjustment

Crustal shortening

Earth crust

Emergent shorelines

Eustatic changes

Ocean basins

Orogeny

Submerged shorelines

Submergence

Vertical tectonics

Ephemeral lakes

SN: An ephemeral lake is one that only exists for a short period following precipitation or snowmelt. It is not the same as an intermittent or seasonal lake, which exists for longer periods, but is not perennial. Before 2016 search TEMPORARY PONDS

BT: Ephemeral water bodies

NT: Playas

RT: Ephemeral springs

Ephemeral streams

Intermittent lakes

Lakes

Temporary ponds

Temporary water bodies

Ephemeral springs

SN: An ephemeral spring is one that only exists for a short period following precipitation or snowmelt. It is not the same as an intermittent or seasonal spring, which exists for longer periods, but is not perennial

BT: Ephemeral water bodies

RT: Ephemeral lakes

Ephemeral streams
Intermittent springs
Temporary ponds
Temporary water bodies
Water springs

Ephemeral streams

SN: An ephemeral stream is one that only exists for a short period following precipitation or snowmelt. It is not the same as an intermittent or seasonal stream, which exists for longer periods, but is not perennial
BT: Ephemeral water bodies
RT: Ephemeral lakes
Ephemeral springs
Intermittent rivers
Rivers
Temporary ponds
Temporary water bodies

Ephemeral water bodies

SN: An ephemeral waterbody is a wetland, spring, stream, river, pond or lake that only exists for a short period following precipitation or snowmelt. They are not the same as intermittent or seasonal water bodies, which exist for longer periods, but not all year round
BT: Temporary water bodies
NT: Ephemeral lakes
Ephemeral springs
Ephemeral streams
Temporary ponds
RT: Inland waters
Intermittent water bodies
Water bodies

Ephemeris
USE: **Nautical almanacs**

Epibenthos
USE: **Benthos**

Epibionts

UF: Epibiota
NT: Epiphytes
Epizotes
RT: Epibiosis

Epibiosis

BT: Interspecific relationships
RT: Epibionts
Epiphytes
Epizotes
Symbiosis

Epibiota
USE: **Epibionts**

Epicentres

UF: Seismic epicentres
RT: Earthquakes
Seismology

Epidemics

RT: Epidemiology
Infectious diseases
Mortality causes
Pathology
Public health
Quarantine regulations

Epidemiology

RT: Bacteriology
Disease control
Epidemics
Infectious diseases
Parasitology

Epidermis

USE: **Skin**

Epilimnion

UF: Upper layers (lakes)
RT: Hypolimnion
Metalimnion
Surface layers
Surface water
Thermal stratification
Thermocline
Water column

Epipelagic zone

SN: Waters above 200 m depth
UF: Photoc environment
BT: Oceanic province
RT: Euphotic zone
Littoral zone
Neritic province

Epiphytes

BT: Epibionts
RT: Epibiosis
Periphyton
Symbionts

Epipsammic species
USE: **Epipsammon**

Epipsammon

SN: Organisms living attached to sand grain
UF: Epipsammic species
BT: Aquatic communities
RT: Microorganisms
Psammon
Sand

Epithelia

UF: Endothelium
Epithelium
BT: Tissues
RT: Integumentary system
Skin

Epithelium

USE: **Epithelia**

Epizotes

BT: Epibionts

RT: Commensalism
Ectoparasites
Epibiosis

Epontic environment

UF: Under-ice environment
BT: Aquatic environment
RT: Epontic organisms

Epontic organisms

UF: Under-ice organisms
RT: Epontic environment

Epoxy resins

SN: Synthetic resins used for protective coatings and adhesives
RT: Adhesives
Plastic coatings

Equation of continuity

UF: Conservation of volume
Continuity equation
BT: Equations
RT: Conservation equations
Conservation of mass
Equations of state
Fluid dynamics

Equations

NT: Conservation equations
Differential equations
Equation of continuity
Equations of motion
Equations of state
Hydrodynamic equations
Integral equations
Kortweg Devries equation
Laplace equation
Morison's equation
Navier-Stokes equations
Nonlinear equations
Poisson's equation
Tidal equations
RT: Mathematics

Equations of motion

UF: Euler equations of motion
BT: Equations
RT: Hydrostatic equation

Equations of state

BT: Equations
RT: Equation of continuity
Thermodynamics

Equator

RT: Latitude

Equatorial calms

USE: **Equatorial trough**

Equatorial circulation

SN: Before 1982 search
EQUATORIAL CURRENTS
UF: Equatorial current system
Equatorial currents

BT: Ocean circulation
RT: Equatorial countercurrents
Equatorial dynamics
Equatorial undercurrents
Equatorial upwelling
Monsoon reversal
Tropical oceanography

Equatorial countercurrents

BT: Countercurrents
RT: Equatorial circulation
Equatorial dynamics

Equatorial current system

USE: **Equatorial circulation**

Equatorial currents

USE: **Equatorial circulation**

Equatorial dynamics

RT: Beta-plane
Dynamical oceanography
Equatorial circulation
Equatorial countercurrents
Equatorial trapped waves
Equatorial undercurrents
Equatorial upwelling
Monsoon reversal
Planetary waves
Tropical meteorology
Tropical oceanography

Equatorial easterlies

BT: Trade winds
RT: Easterly waves
Equatorial waves
Equatorial westerlies

Equatorial trapped waves

BT: Kelvin waves
RT: Equatorial dynamics

Equatorial trough

UF: Doldrums
Equatorial calms
BT: Low pressure troughs
RT: Easterly waves
Equatorial westerlies
Intertropical convergence zone
Tropical meteorology

Equatorial undercurrents

BT: Undercurrents
RT: Equatorial circulation
Equatorial dynamics

Equatorial upwelling

BT: Upwelling
RT: Equatorial circulation
Equatorial dynamics

Equatorial waves

BT: Water waves
RT: Equatorial easterlies

Equatorial westerlies

BT: Westerlies

RT: Equatorial easterlies
Equatorial trough

Equilibrium

NT: Chemical equilibrium
Geostrophic equilibrium
Thermodynamic equilibrium
RT: Diffusion
Isostasy
Stability
Steady state
Unsteady state
Variability

Equilibrium constants

USE: **Chemical equilibrium**

Equipment

SN: Only for papers in which the description, use, performance, or fabrication of equipment is the main topic. Use of a more specific term is recommended
UF: Plant (equipment)
NT: Acoustic equipment
Airborne equipment
Aquaculture equipment
Deck equipment
Deicing equipment
Detectors
Detonators
Diving equipment
Drilling equipment
Electrical equipment
Feeding equipment
Fishery industry equipment
Geological equipment
Geophysical equipment
Grading equipment
Instruments
Laboratory equipment
Limnological equipment
Measuring devices
Mining equipment
Oceanographic equipment
Offshore equipment
Photographic equipment
Recording equipment
Remote sensing equipment
Safety devices
Salvage equipment
Sensors
Shipboard equipment
Surveying equipment
Test equipment
Transducers
Underwater equipment
RT: Calibration
Components
Machinery
Modules
Monitoring systems

Equipment catalogues

USE: **Catalogues**

Erbium

BT: Lanthanides

Erosion

UF: Erosion (geology)
NT: Bottom erosion
Coastal erosion
Glacial erosion
Scouring
Soil erosion
Wind erosion
RT: Denudation
Erosion control
Erosion features
Sedimentation
Slumping
Weathering

Erosion (biological)

USE: **Bioerosion**

Erosion (geology)

USE: **Erosion**

Erosion (thermocline)

USE: **Thermocline decay**

Erosion control

UF: Erosion prevention
Erosion protection
BT: Control
NT: Pipeline protection
RT: Dune stabilization
Erosion
Flood control
Soil conservation

Erosion features

UF: Coastal erosion features
RT: Deposition features
Erosion
Erosion surfaces
Landforms
Sedimentary structures
Topographic features

Erosion platforms

USE: **Wave-cut platforms**

Erosion prevention

USE: **Erosion control**

Erosion protection

USE: **Erosion control**

Erosion surfaces

UF: Planation surfaces
BT: Surfaces
RT: Erosion features
Wave-cut platforms

Erratics

USE: **Glacial erratics**

Errors

NT: Analytical errors
RT: Approximation
Corrections
Resolution

Erythrocytes

UF: Red blood cells
Red blood corpuscles
BT: Blood cells
RT: Anaemia
Erythropoiesis

Erythropoiesis

RT: Erythrocytes
Haematology
Haemopoiesis

Erytrophores

USE: **Chromatophores**

Escape of water

USE: **Floods**

Escapement

UF: Escapement rate
RT: Avoidance reactions
Catchability
Survival

Escapement rate

USE: **Escapement**

Escarments

UF: Scarps
BT: Topographic features
NT: Fault scarps
Submarine scarps
RT: Fracture zones
Median valleys

Eskers

RT: Glacial features

Esophagus

USE: **Oesophagus**

Esters

BT: Organic compounds
NT: Phthalate esters
RT: Lipids

Estimation

USE: **Approximation**

Estrogens

USE: **Oestrogen**

Estuaries

BT: Coastal inlets
NT: Partially-mixed estuaries
Salt-wedge estuaries
RT: Bays
Brackishwater environment
Estuarine chemistry
Estuarine dynamics
Estuarine fronts
Estuarine sedimentation
Estuarine tides
Fjords
Inlets (waterways)
River mouth

Tidal inlets

Estuarine aquaculture

USE: **Brackishwater aquaculture**

Estuarine chemistry

RT: Chemical limnology
Chemical oceanography
Estuaries

Estuarine circulation

USE: **Estuarine dynamics**

Estuarine crustaceans

USE: **Brackishwater crustaceans**

Estuarine dynamics

SN: Before 1982 search also
ESTUARINE CIRCULATION
UF: Estuarine circulation
BT: Shelf dynamics
RT: Bay dynamics
Coastal oceanography
Dynamical oceanography
Estuaries
Estuarine fronts
Estuarine tides
Flushing time
Longitudinal dispersion
Longshore currents
Nearshore currents
Nearshore dynamics
Salt wedges
Tidal currents
Water mixing

Estuarine environment

USE: **Brackishwater environment**

Estuarine fish

USE: **Brackishwater fish**

Estuarine fisheries

SN: Fisheries in estuaries and coastal lagoons
BT: Fisheries
RT: Artisanal fisheries
Artisanal fishing
Brackishwater fish
Brackishwater organisms
Coastal fisheries
Finfish fisheries
Marine fisheries
Oyster fisheries
River fisheries

Estuarine fronts

SN: Formed near river mouths, at the meeting of diluted waters and coastal full salinity waters
UF: Estuarine interface
Freshwater-seawater interface
BT: Coastal fronts
RT: Estuaries
Estuarine dynamics
Oceanic fronts

River plumes

Tidal fronts

Estuarine interface

USE: **Estuarine fronts**

Estuarine molluscs

USE: **Brackishwater molluscs**

Estuarine organisms

USE: **Brackishwater organisms**

Estuarine pollution

USE: **Brackishwater pollution**

Estuarine sedimentation

BT: Sedimentation
RT: Estuaries
Intertidal sedimentation
Sedimentary environments
Tidal deposits
Tidal flats

Estuarine tides

BT: Tides
RT: Estuaries
Estuarine dynamics
Shallow water tides

Ethane

BT: Acyclic hydrocarbons

Ethene

UF: Ethylene
BT: Alkenes

Ethology

SN: Study of all aspects of behaviour using biological methods. Before 1982 search
BEHAVIOUR
BT: Ecology
RT: Behaviour

Ethylene

USE: **Ethene**

Ethyne

UF: Acetylene
BT: Alkynes

Etiology

USE: **Aetiology**

Euler equations of motion

USE: **Equations of motion**

Eulerian current measurement

SN: Before 1982 search also
EULERIAN METHODS
(CURRENT MEASUREMENT)
UF: Eulerian methods (current measurement)
BT: Current measurement
RT: Acoustic current meters

Eulerian methods (current measurement)

USE: **Eulerian current measurement**

Eulittoral zone

BT: Littoral zone

RT: Intertidal environment

Euphotic zone

SN: Upper level of ocean region from surface to limit of effective light penetration

UF: Photosynthetic zone

RT: Aphotic zone

Compensation depth

Epipelagic zone

Lentic environment

Light penetration

Marine environment

Mesopelagic zone

Europium

BT: Lanthanides

RT: Europium isotopes

Radioisotopes

Europium isotopes

BT: Isotopes

RT: Europium

Euryhaline organisms

USE: **Euryhalinity**

Euryhaline species

USE: **Euryhalinity**

Euryhalinity

UF: Euryhaline organisms

Euryhaline species

BT: Biological properties

RT: Diadromy

Halophytes

Osmoregulation

Osmotic adaptations

Salinity tolerance

Stenohalinity

Eurythermal organisms

USE: **Eurythermy**

Eurythermy

UF: Eurythermal organisms

BT: Biological properties

RT: Stenothermy

Temperature tolerance

Eustasy

USE: **Eustatic changes**

Eustatic changes

SN: World-wide sea level changes resulting from change in absolute volume of seawater due mainly to climatic change

UF: Eustasy

BT: Sea level changes

RT: Climatic changes

Epeirogeny

Progradation

Regressions

Retrogradation

Transgressions

Water budget

Eutrophic lakes

BT: Lakes

RT: Dystrophic lakes

Eutrophic waters

Eutrophication

Hypereutrophic waters

Hyperoligotrophic waters

Oligotrophic lakes

Eutrophic waters

BT: Water

RT: Brackishwater environment

Dystrophic lakes

Eutrophic lakes

Eutrophication

Hypereutrophic waters

Hyperoligotrophic waters

Inland water environment

Marine environment

Mesotrophic waters

Oligotrophic lakes

Oligotrophic waters

Trophic state

Eutrophication

SN: The continuing process of increasing fertility of water

RT: Dissolved oxygen

Eutrophic lakes

Eutrophic waters

Hypereutrophic waters

Hyperoligotrophic waters

Hypertrophy

Land-based pollution

Mesotrophic waters

Nutrients (mineral)

Oligotrophic waters

Pollution effects

Primary production

Trophic state

Water properties

Water quality

Evacuation

RT: Emergencies

Safety regulations

Evaluation

SN: Measuring and/or judging an activity, situation, product, process etc.

UF: Appraisal

Assessments

NT: Performance assessment

Site selection

RT: Acceptability

Certification

Economic analysis

Feasibility

Guidelines

Reliability

Evaporation

BT: Vaporization

NT: Evapotranspiration

RT: Ablation

Air-ice interface

Air-water exchanges

Air-water interface

Air temperature

Bowen ratio

Condensation

Dehydration

Desalination

Desiccation

Diffusion

Drying

Heat budget

Heat exchange

Moisture

Moisture transfer

Saturation

Sublimation

Surface water

Transpiration

Water budget

Water properties

Water temperature

Evaporation control

USE: **Evaporation reduction**

Evaporation fog

USE: **Fog**

Evaporation ponds

USE: **Evaporation tanks**

Evaporation reduction

UF: Evaporation control

BT: Damping

RT: Water conservation

Evaporation tanks

UF: Evaporation ponds

BT: Tanks

Evaporites

BT: Authigenic minerals

RT: Anhydrite

Borate minerals

Chemical sediments

Dolomite

Gypsum

Halite

Sabkhas

Salt deposits

Sedimentary rocks

Sodium chloride

Evapotranspiration

SN: Loss of water vapour from soil surface and vegetation combined

BT: Evaporation

Transpiration

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- RT: Environmental effects
Water balance
Water content
- Evisceration
USE: **Gutting**
- Evolution**
SN: Use of a more specific term is recommended
UF: Bioevolution
Convergent evolution
Evolution (organisms)
BT: Biological phenomena
RT: Biogenesis
Biogeny
Biological speciation
Bioselection
Cryptic species
Degeneration
Genetics
Morphogenesis
Mutations
New genera
New species
Phylogenetics
Protists
Sibling species
- Evolution (atmosphere)
USE: **Atmosphere evolution**
- Evolution (organisms)
USE: **Evolution**
- Evolution (seawater)
USE: **Seawater evolution**
- Evolutionary retrogression
USE: **Degeneration**
- Examinations
USE: **Inspection**
- Excavation underwater**
UF: Underwater excavation
RT: Dredging
- Excess capacity**
SN: Capability to harvest more than is actually being harvested using same stock of inputs (capital)
BT: Fishing capacity
- Exchange capacity**
UF: Cation exchange capacity
RT: Adsorption
Cations
Dissolution
Ions
Solutions
- Exchange coefficients**
UF: Austausch coefficients
Eddy coefficients
BT: Coefficients
- NT: Diffusion coefficients
Viscosity coefficients
RT: Eddy flux
Mixing length
- Exclusive economic zone**
UF: EEZ
Exclusive fishery zone
Exclusive fishing zone
Fishing zone
BT: Ocean space
RT: Allocation systems
Coastal states
Contiguous zones
Fishery boundaries
Fishery protection
Fishery regulations
Fishing rights
Foreign fishing
Illegal fishing
Shared stocks
Territorial waters
Underwater exploitation
- Exclusive fishery zone
USE: **Exclusive economic zone**
- Exclusive fishing rights
USE: **Fishing rights**
- Exclusive fishing zone
USE: **Exclusive economic zone**
- Exclusive rights**
BT: Rights
RT: Fishing rights
Water rights
- Excrements
USE: **Faeces**
- Excretion**
NT: Defaecation
RT: Bioaccumulation
Excretory organs
Excretory products
Gastric evacuation
Secretion
- Excretory organs**
BT: Animal organs
NT: Kidneys
Spleen
RT: Bladders
Excretion
Excretory products
- Excretory products**
NT: Faecal pellets
Faeces
Urine
RT: Digestion
Excretion
Excretory organs
Stable isotopes
- Exhibitions**
UF: Trade shows
RT: Conferences
Museums
- Exocrine glands**
BT: Glands
NT: Digestive glands
RT: Mucins
Mucus
- Exophthalmia**
SN: Protruding of fish eyeballs as a result of accumulation of fluid or gases at the back of the eye socket
UF: Popeye
BT: Symptoms
RT: Bubble disease
- Exoskeleton**
BT: Skeleton
NT: Carapace
Cuticles
Scales
RT: Bony fins
Chitin
Shells
- Exotic species
USE: **Introduced species**
- Expedition reports**
SN: Final published reports containing results etc. of both cruises and multiship expeditions
BT: Documents
RT: Atlases
Cruise reports
Expeditions
Historical account
- Expedition stations
USE: **Cruise stations**
- Expeditions**
SN: Use only for international projects involving simultaneous surveys of land, sea and air, e.g. IGY. For oceanographic surveys use narrower term. Before 1982 search also CRUISES
NT: Cruises
Multiship expeditions
RT: Expedition reports
Exploration
Surveys
- Expeditions (multiship)
USE: **Multiship expeditions**
- Expeditions (one vessel)
USE: **Cruises**
- Expendable bathythermographs
USE: **XBTs**

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Expendable drifting buoys
USE: **Drifting data buoys**

Expenses
USE: **Costs**

Experimental culture
UF: Pilot-scale culture
RT: Aquaculture development
Cultures
Experimental research
Feeding experiments
Laboratory culture

Experimental data
BT: Data
RT: Experimental research

Experimental fisheries
USE: **Experimental fishing**

Experimental fishing
UF: Experimental fisheries
Test fishing
BT: Fishing
RT: Catching methods
Exploratory fishing
Fishing technology
Gear research

Experimental rearing
USE: **Rearing**

Experimental research
SN: Research done in experimental or laboratory conditions. Used only as a qualifier
UF: Laboratory research
Research (experimental)
BT: Research
RT: Controlled conditions
Experimental culture
Experimental data

Expert systems
USE: **Artificial intelligence**

Experts
SN: Restricted to professionals involved with aquatic sciences and technology
UF: Professionals
Specialists
BT: Personnel
NT: Engineers
Technicians
RT: Consultants
Scientific personnel

Exploitation
UF: Commercial exploitation
Exploitation rate
Resource exploitation
NT: Underwater exploitation
RT: Multiple use of resources
Resource availability

Resource development

Exploitation (minerals)
USE: **Mining**

Exploitation (oil and gas)
USE: **Oil and gas production**

Exploitation rate
USE: **Exploitation**

Exploration
SN: Use of a specific term is recommended
NT: Geographical exploration
Geophysical exploration
Polar exploration
Resource exploration
Underwater exploration
RT: Expeditions
Exploration rights
Surveys

Exploration rights
BT: Rights
RT: Exploration

Exploratory behaviour
BT: Behaviour

Exploratory drilling
USE: **Oil and gas exploration**

Exploratory fishing
BT: Fishing
RT: Experimental fishing
Stock assessment

Exploratory mining
USE: **Mineral exploration**

Explosions
NT: Nuclear explosions
Underwater explosions
RT: Blasting
Explosives
Fire
Implosions

Explosive fishing
SN: Handling of explosives for capture of aquatic animals, mainly fish
BT: Catching methods
RT: Stupefying methods

Explosive welding
USE: **Welding**

Explosives
BT: Hazardous materials
NT: Shaped charges
RT: Blasting
Detonators
Explosions

Exports

USE: **Trade**

Exposed environment
USE: **Exposed habitats**

Exposed habitats
UF: Exposed environment
BT: Habitat
RT: Exposure tolerance
Intertidal environment
Sheltered habitats

Exposure to air
USE: **Air exposure**

Exposure tolerance
BT: Tolerance
RT: Air exposure
Exposed habitats
Sheltered habitats

Extended jurisdiction
UF: Extraterritoriality
BT: Jurisdiction
RT: Coastal states
Fishing rights
Ocean space

Extension activities
SN: Organized communication efforts to spread information and/or bring about changes in the knowledge, attitudes, skills and/or behaviour of a client population
UF: Outreach
Public outreach
RT: Capacity building
Education
Online instruction
Technology transfer
Training

Extensive aquaculture
USE: **Extensive culture**

Extensive culture
UF: Extensive aquaculture
BT: Aquaculture techniques
RT: Brackishwater aquaculture
Fish culture
Freshwater aquaculture
Pond culture
Valliculture

External anatomy
USE: **Organism morphology**

External fertilization
USE: **Biological fertilization**

Exteroceptors
USE: **Receptors**

Extinction coefficient
SN: Before 1982 search
ABSORPTIVITY

UF: Attenuation coefficient BT: Optical properties RT: Absorption coefficient Attenuance Light absorption Light attenuation Water transparency	UF: Eyestalk ablation BT: Organ removal RT: Eyestalks	Settlement (structural)
Extinction of species USE: Species extinction	Eyestalks BT: Eyes RT: Eyestalk extirpation	Fairings RT: Cables
Extracellular RT: Cells	Facies NT: Biofacies Lithofacies Metamorphic facies Sedimentary facies Shelf facies	Fall USE: Autumn
Extraction (animal oil) USE: Animal oil extraction	Facsimile transmission BT: Data transmission	Fall season USE: Autumn
Extraction (chemical) USE: Chemical extraction	Factory ships BT: Support ships RT: Fishery industry equipment Fishery industry plants Fishing vessels High seas fisheries Industrial fisheries Work platforms	Falling gear USE: Cast nets
Extraction (salts) USE: Desalination	FADs USE: Fish aggregating devices	Fallout UF: Atmospheric fallout Radioactive fallout RT: Air pollution Atmospheric particulates Fission products Nuclear radiations Radioactive aerosols Radioactive contamination Radioactive pollutants Radioactive wastes Radioactivity
Extraterrestrial interactions USE: Solar-terrestrial activity	Faecal coliforms UF: Faecal coliforms BT: Coliforms	Family statistics USE: Household statistics
Extraterrestrial material SN: Material of cosmic origin found in sediments UF: Tektites NT: Cosmic dust Cosmic spherules RT: Allochthonous deposits	Faecal contamination USE: Faecal pollution	Famine SN: Widespread scarcity of food that may apply to any faunal species - usually accompanied by regional malnutrition, starvation, epidemic, and increased mortality. Starvation caused by famine is the most serious form of hunger UF: Hunger (socioeconomic) BT: Disasters RT: Food aid Food availability Food insecurity Food security Mortality causes Socioeconomic aspects Starvation
Extraterritoriality USE: Extended jurisdiction	Faecal pellets UF: Faecal pellets BT: Excretory products RT: Defaecation	Fans NT: Alluvial fans Deep-sea fans
Extreme values SN: Use with property or phenomena UF: Extremes NT: Annual range RT: Astronomical tides Extreme waves	Faecal pollution UF: Faecal contamination Faecal contamination Faecal pollution BT: Pollution RT: Groundwater pollution Sewage disposal Water pollution	FAO Code of Conduct for Responsible Fisheries SN: The Code, elaborated by the FAO Committee on Fisheries and adopted by the FAO Conference in 1995, provides principles and standards applicable to the conservation, management and development of all fisheries including the capture, processing and trade of fish and fishery products, fishing operations, aquaculture, fisheries research and the
Extreme waves RT: Extreme values Surface water waves Wave height	Faeces UF: Excrements Feces BT: Excretory products RT: Manure Sewage Vessel wastes	
Extremes USE: Extreme values	Failures SN: Significant result of damage, defects or deterioration RT: Damage Defects Deterioration Reliability Scouring	
Eyes BT: Photoreceptors NT: Compound eyes Eyestalks Retinas RT: Vision Visual stimuli		
Eyestalk ablation USE: Eyestalk extirpation		
Eyestalk extirpation SN: Before 1982 search ORGAN REMOVAL		

integration of fisheries into coastal area management
 BT: Fishery agreements
 RT: Fishery management
 Fishery regulations
 Standardization
 Standards
 Sustainable fishing

Farm ponds
 USE: **Fish ponds**

Farm wastes
 USE: **Agricultural wastes**

Farmed fish economics
 USE: **Aquaculture economics**

Fast ice
 BT: Floating ice
 RT: Ice shelves
 Lake ice
 Sea ice

Fat content
 USE: **Body conditions**

Fate
 SN: Fate of substances in the environment
 RT: Accumulation
 Degradation
 Dispersion
 Permanence
 Persistence
 Weathering

Fatigue (biological)
 USE: **Biological stress**

Fatigue (materials)
 SN: Before 1982 search STRESS
 NT: Metal fatigue
 RT: Corrosion
 Cyclic loading
 Deterioration
 Stress (mechanics)
 Stress corrosion

Fats
 BT: Lipids
 RT: Bile
 Fatty acids
 Organic constituents

Fattening ponds
 USE: **Growing ponds**

Fatty acids
 BT: Organic acids
 NT: Polyunsaturated fatty acids
 RT: Bioactive compounds
 Fats
 Hydrocarbons

Fault escarpments
 USE: **Fault scarps**

Fault scarps
 UF: Fault escarpments
 BT: Escarpments
 RT: Cliffs
 Faults
 Submarine scarps

Fault zones
 RT: Faults
 Fracture zones
 Rift valleys
 Rift zones
 Rifting
 Shear zone

Faults
 UF: Faults (geology)
 Geological faults
 BT: Geological structures
 NT: Strike-slip faults
 Thrust faults
 Transform faults
 RT: Fault scarps
 Fault zones
 Graben
 Rift valleys
 Rock deformation

Faults (defects)
 USE: **Defects**

Faults (geology)
 USE: **Faults**

Fauna
 NT: Aquatic animals
 RT: Biota
 Faunal provinces

Faunal provinces
 RT: Biogeography
 Fauna

Feasibility
 SN: More specific term is recommended. Before 1995 search also
 FEASIBILITY STUDIES
 UF: Feasibility studies
 NT: Economic feasibility
 Technical feasibility
 RT: Evaluation
 Production cost
 Risks

Feasibility studies
 USE: **Feasibility**

Feathers
 UF: Contour feathers
 Filoplumes
 Plumulae
 BT: Integumentary system
 RT: Aquatic birds

Fecal coliforms
 USE: **Faecal coliforms**

Fecal contamination
 USE: **Faecal pollution**

Fecal pellets
 USE: **Faecal pellets**

Fecal pollution
 USE: **Faecal pollution**

Feces
 USE: **Faeces**

Fecundity
 SN: An organism's capacity to produce offspring
 UF: Egg production
 Fertility (reproductive)
 Natality
 BT: Biological properties
 RT: Brood stocks
 Eggs
 Gonadosomatic index
 Immunocontraception
 Ovaries
 Sexual maturity
 Spawning stock biomass
 Sperm
 Testes

Federal governments
 USE: **Governments**

Federal jurisdiction
 USE: **Jurisdiction**

Fee fishing
 SN: An enterprise in which catchable organisms are stocked into ponds or lakes and customers pay for the privilege of fishing
 BT: Fishing
 RT: Sport fishing

Feed
 SN: Substances used for animal feeding by man
 UF: Animal feed
 Aquaculture feed
 Aquafeed
 Artificial feed
 BT: Livestock food
 NT: Pellet feeds
 RT: Dietary fibre
 Feed efficiency
 Feed preparation
 Feeding
 Feeding experiments
 Fish silage

Feed composition
 SN: Constituents and chemical composition of artificial feeds
 UF: Recipes (animal feed)
 BT: Chemical composition
 RT: Artificial feeding

- Bioactive compounds
 - Dietary deficiencies
 - Feed efficiency
 - Feed preparation
 - Feeding experiments
 - Probiotics
- Feed conversion rate
USE: **Feed efficiency**
- Feed efficiency**
UF: Feed conversion rate
RT: Conversion factors
- Diets
 - Feed
 - Feed composition
 - Feeding experiments
 - Nutritive value
- Feed preparation**
RT: Feed
- Feed composition
 - Feeding equipment
 - Feeding experiments
- Feeding**
NT: Artificial feeding
RT: Activity patterns
- Feed
 - Feeding behaviour
 - Feeding equipment
 - Feeding migrations
 - Food conversion
 - Nutrition
 - Probiotics
- Feeding behaviour**
BT: Behaviour
NT: Cannibalism
- Foraging behaviour
 - Grazing
- RT: Feeding
- Feeding migrations
 - Food chains
 - Food preferences
 - Heterotrophic organisms
 - Hunger
 - Predation
 - Schooling behaviour
 - Trophic levels
 - Trophodynamic cycle
- Feeding equipment**
BT: Equipment
RT: Aquaculture equipment
- Feed preparation
 - Feeding
- Feeding experiments**
RT: Artificial feeding
- Dietary deficiencies
 - Experimental culture
 - Feed
 - Feed composition
 - Feed efficiency
 - Feed preparation
 - Nutritional requirements
- Feeding ground
USE: **Nursery grounds**
- Feeding migrations**
BT: Migrations
RT: Feeding
- Feeding behaviour
 - Oceanodromous migrations
- Feldspars**
BT: Silicate minerals
NT: Orthoclase
Plagioclase
- Fellowships**
UF: Scholarships
RT: Education
- Grants
 - Research programmes
- Females**
BT: Gender
NT: Women
RT: Males
- Feminization**
SN: Normal induction or development of female secondary sex characters or the induction or development of female secondary sex characters in the male
RT: Aquaculture techniques
- Secondary sexual characters
 - Selective breeding
 - Sex determination
 - Sex hormones
 - Sex reversal
- Fenders**
RT: Ship mooring systems
- Fens**
SN: A fen is located on a slope, flat, or depression and gets its water from both rainfall and surface water. It may be slightly acidic, neutral or alkaline, either nutrient-poor or nutrient-rich
BT: Mires
RT: Bogs
- Marshes
 - Muskeg
 - Swamps
- Fermentation**
BT: Chemical reactions
RT: Anaerobic bacteria
- Enzymes
 - Fermented products
 - Yeasts
- Fermented fish paste
USE: **Fermented products**
- Fermented fish sauce
USE: **Fermented products**
- Fermented products**
SN: Before 1982 search CURED PRODUCTS
UF: Fermented fish paste
Fermented fish sauce
BT: Processed fishery products
RT: Fermentation
- Minced products
- Ferric compounds
USE: **Iron compounds**
- Ferric phosphate
USE: **Iron phosphates**
- Ferries
USE: **Passenger ships**
- Ferromanganese nodules**
SN: Nodules rich in Mn, Fe, Ni, Co, and Cu. Before 1982 search NODULES
UF: Manganese nodules
- Polymetallic nodules
- BT: Nodules
- Seabed deposits
- RT: Aluminium
- Cobalt
 - Copper
 - Ferromanganese oxides
 - Gallium
 - Iron
 - Lead
 - Magnesium
 - Manganese
 - Manganese deposits
 - Molybdenum
 - Nickel
 - Non-living resources
 - Silver
 - Titanium
 - Vanadium
 - Zinc
 - Zirconium
- Ferromanganese oxides**
BT: Manganese oxides
RT: Ferromanganese nodules
- Iron
 - Manganese
- Ferrous alloys**
BT: Alloys
NT: Steel
- Ferrous compounds
USE: **Iron compounds**
- Ferruginous deposits**
BT: Chemical sediments
RT: Ironstone
- Ferry terminals**
UF: Container ports
BT: Harbours
RT: Cargo handling

Fertility

SN: Restricted to environmental quality
RT: Biological production

Fertility (reproductive)

USE: **Fecundity**

Fertility vitamin

USE: **Vitamin E**

Fertilization (biological)

USE: **Biological fertilization**

Fertilizers

SN: Products used for artificial fertilization of soils or aquatic environment

NT: Chemical fertilizers
Organic fertilizers

RT: Habitat improvement (fertilization)

Nutrients (mineral)

Festschriften

USE: **Collected papers**

Fetch

UF: Wave fetch

RT: Wave parameters

Wind wave generation

Wind wave parameters

Winds

Fetus

USE: **Foetus**

Fiber glass

USE: **Fibre glass**

Fiber optics

USE: **Fibre optics**

Fibre rope (natural)

USE: **Fibre rope (natural)**

Fibre rope (synthetic)

USE: **Fibre rope (synthetic)**

Fibre (dietry)

USE: **Dietary fibre**

Fibre glass

UF: Fiber glass

BT: Materials

RT: Construction materials

Fibre optics

Glass

Glass-reinforced plastics

Fibre optics

UF: Fiber optics

BT: Technology

RT: Fibre glass

Optics

Fibre rope (natural)

UF: Fiber rope (natural)

Natural fibre rope

BT: Ropes

RT: Fibre rope (synthetic)

Fibre rope (synthetic)

UF: Fiber rope (synthetic)

Synthetic fibre rope

BT: Ropes

RT: Fibre rope (natural)

Synthetic fibres

Fields

SN: Use of a specific term is recommended

NT: Baroclinic field

Barotropic field

Density field

Electric fields

Gravity field

Hydrothermal fields

Ice fields

Light fields

Pressure field

Temperature fields

Fillets (fish)

USE: **Fish fillets**

Filletting

BT: Fish handling

RT: Fish fillets

Film strips

USE: **Filmstrips**

Films

SN: Use only for cinema films

BT: Audiovisual materials

RT: Filmstrips

Photography

Videotape recordings

Films (surface)

USE: **Surface films**

Filmstrips

UF: Film strips

BT: Audiovisual materials

RT: Films

Slides (photographic)

Filoplumes

USE: **Feathers**

Filter feeders

UF: Suspension feeders

BT: Heterotrophic organisms

RT: Bacteria

Detritus

Lophophores

Nannoplankton

Plankton feeders

Filters

SN: Use of a more specific term is

recommended

NT: Biofilters

Kalman filters

Optical filters

Water filters

RT: Filtration

Filtration

NT: Bacterial filtration

Water filtration

RT: Filters

Screening

Filtration (water)

USE: **Water filtration**

Fin ray counts

BT: Meristic counts

RT: Fins

Fin rays

USE: **Fins**

Fin spines

USE: **Fins**

Financial institutions

UF: Banks (financial)

Institutions (financial)

BT: Organizations

RT: Financial resources

Financing

Financial management

UF: Business management

Credit management

Investment management

BT: Management

RT: Financial resources

Financing

Financial means

USE: **Financial resources**

Financial resources

UF: Capital resources

Financial means

BT: Resources

RT: Financial institutions

Financial management

Financing

Financing

UF: Fishery credit

Funding

RT: Financial institutions

Financial management

Financial resources

Grants

Insurance

Investments

Marketing

Pricing

Fine structure (biology)

USE: **Ultrastructure**

Fine structure (ocean)

USE: **Finestructure**

Finestructure

SN: Variations in the vertical distribution of temperature, salinity and velocity with layer scales ranging from 1-100 cm

UF: Fine structure (ocean)

Finestructure (ocean)

BT: Spatial variations

RT: CTD observations

CTD profilers

Microstructure

Vertical profiles

Finestructure (biology)

USE: **Ultrastructure**

Finestructure (ocean)

USE: **Finestructure**

Finfish fisheries

BT: Fisheries

NT: Clupeoid fisheries

Flatfish fisheries

Gadoid fisheries

Mackerel fisheries

Mullet fisheries

Percoid fisheries

Redfish fisheries

Salmon fisheries

Shark fisheries

Tuna fisheries

RT: Demersal fisheries

Estuarine fisheries

Marine fisheries

Pelagic fisheries

Finfish nutrition

USE: **Animal nutrition**

Finger bars

USE: **Transverse bars**

Fingerlings

BT: Fish larvae

RT: Fry

Seed (aquaculture)

Fingerprinting

NT: Chemical fingerprinting

DNA fingerprinting

Protein fingerprinting

Sediment fingerprinting

Finite amplitude waves

BT: Nonlinear waves

Finite difference method

BT: Numerical analysis

RT: Approximation

Finite element method

BT: Numerical analysis

RT: Boundary value problems

Differential equations

Functional analysis

Fins

UF: Fin rays

Fin spines

BT: Locomotory appendages

NT: Bony fins

RT: Fin ray counts

Swimming

Fiord dynamics

USE: **Fjord dynamics**

Fiords

USE: **Fjords**

Fire

RT: Blowouts

Damage

Explosions

Fire fighting

Fire hazards

Fire prevention

Ship losses

Smoke

Fire control

USE: **Fire fighting**

Fire extinguishers

UF: Chemicals (fire fighting)

RT: Fire fighting

Safety devices

Fire fighting

UF: Fire control

RT: Emergency vessels

Fire

Fire extinguishers

Fire hazards

BT: Hazards

RT: Blowouts

Fire

Fire prevention

Oil spills

Fire prevention

UF: Fire protection

Fire safety

RT: Fire

Fire hazards

Safety regulations

Fire protection

USE: **Fire prevention**

Fire safety

USE: **Fire prevention**

Fish

SN: Use of a more specific term is recommended. Used only for general papers dealing with fish of all kinds; always use taxonomic name where given

UF: Fish species

Fishes

Ichthyofauna

BT: Aquatic animals

NT: Air breathing fish

Bait fish

Brackishwater fish

Demersal fish

Food fish

Forage fish

Freshwater fish

Game fish

Herbivorous fish

Marine fish

Ornamental fish

Pelagic fish

Poisonous fish

Trash fish

Tropical fish

RT: Fish culture

Fish diseases

Fish handling

Fish inspection

Fish kill

Fish physiology

Fish poisoning

Fish repellents

Fish wastes

Ichthyology

Shellfish

Fish-cum-chicken culture

USE: **Agropisciculture**

Fish-cum-duck culture

USE: **Agropisciculture**

Fish-cum-pig culture

USE: **Agropisciculture**

Fish (towed sensors)

USE: **Towed sensors**

Fish aggregating devices

SN: Artificial or natural floating objects placed on the ocean surface, to attract schooling fish species, thus increasing their catchability

UF: FADs

RT: Attracting techniques

Fish attracting

USE: **Attracting techniques**

Fish balls

USE: **Minced products**

Fish catch statistics

SN: Catch tabulation of fish by number or weight

BT: Catch statistics

RT: By catch

Fish conversion factors

Fish consumption

UF: Fish consumption statistics

RT: Food fish

Human food

Fish consumption statistics
USE: **Fish consumption**

Fish conversion
USE: **Fish handling**

Fish conversion factors
BT: Population factors
RT: Fish catch statistics

Fish counters
UF: Echo counting systems
Fish counting devices
BT: Counters
RT: Acoustic equipment
Echo integrators

Fish counting devices
USE: **Fish counters**

Fish culture
SN: Methods and techniques for fish culture
UF: Fish farming
Fish farms
Pisciculture
BT: Cultures
NT: Bait culture
Barramundi culture
Carp culture
Catfish culture
Eel culture
Flatfish culture
Grouper culture
Milkfish culture
Salmon culture
Sea bass culture
Sea bream culture
Snapper culture
Tilapia culture
Trout culture
RT: Agropisciculture
Aquaculture
Aquaponics
Aquarium culture
Brackishwater aquaculture
Cage culture
Extensive culture
Fish
Freshwater aquaculture
Hybrid culture
Intensive culture
Marine aquaculture
Monoculture
Monosex culture
Polyculture
Pond culture
Raceway culture
Rice field aquaculture
Silo culture
Thermal aquaculture
Wastewater aquaculture

Fish culture diseases
USE: **Husbandry diseases**

Fish culture economics
USE: **Aquaculture economics**

Fish detection
UF: Fish location
BT: Detection
RT: Fishing
Sonar detection
Target strength

Fish diseases
UF: Shellfish diseases
Tilapia diseases
BT: Animal diseases
NT: Boil disease
Bubble disease
Gill disease
Peduncle disease
Redmouth disease
Sunburn
Ulcerative dermal necrosis
Vibriosis
Whirling disease
RT: Fish
Fish kill
Fish physiology
Granulomas
Husbandry diseases
Parasitic diseases
Protozoan diseases
Septicaemia
Tuberculosis
Viral diseases

Fish dressing
USE: **Dressing**

Fish drying
USE: **Drying**

Fish eggs
BT: Eggs
RT: Fish larvae
Ichthyoplankton
Iodophors

Fish entanglement
BT: Entanglement

Fish farming
USE: **Fish culture**

Fish farms
USE: **Fish culture**

Fish fillets
UF: Block fillets
Fillets (fish)
Side fillets
BT: Processed fishery products
RT: Filletting
Gutting

Fish flour
SN: Fish meal prepared for human consumption. Before 1982

search **POWDERED PRODUCTS**
UF: Fish protein concentrate
BT: Fish meal

Fish food organisms
USE: **Food organisms**

Fish freshness
USE: **Quality control**

Fish fry collection
USE: **Seed collection**

Fish furunculosis
USE: **Boil disease**

Fish glue
SN: Gelatinous liquid glue from fish waste
BT: Adhesives
Processed fishery products
RT: Fish wastes

Fish grading
BT: Biological grading

Fish handling
UF: Fish conversion
Unloading
BT: Handling
NT: Dressing
Filletting
Heading
RT: Fish
Post harvest losses
Processing fishery products

Fish hooks
USE: **Hooks**

Fish impingement
USE: **Impingement**

Fish inspection
SN: Monitoring of fish and fishery products quality control
BT: Inspection
RT: Fish
Fish inspection regulations
Fishery products

Fish inspection regulations
BT: Commercial legislation
RT: Codex standards
Fish inspection

Fish kill
SN: Excessive or conspicuous mortalities of fish due to several causes
UF: Mass mortality
NT: Winterkill
RT: Fish
Fish diseases
Mass extinctions
Mortality causes

Fish ladders

USE: **Fishways**
Fish larvae

UF: Ammocetes

Leptocephalus

BT: Larvae

NT: Fingerlings

Fry

RT: Fish eggs

Ichthyoplankton

Fish leather

BT: Processed fishery products

RT: Byproducts

Fish skin

Fish wastes

Resource development

Waste utilization

Fish location

USE: **Fish detection**
Fish meal

SN: Before 1982 search

POWDERED PRODUCTS

BT: Powdered products

NT: Fish flour

RT: Fish meal processing

Fish wastes

Organic fertilizers

Fish meal processing

BT: Processing fishery products

RT: Fish meal

Fish mince

USE: **Minced products**

Fish nutrition

USE: **Animal nutrition**
Fish oil extraction

BT: Animal oil extraction

RT: Fish oils

Fish oils

SN: Oils extracted from fish, fish

liver, fish wastes and marine
mammals

UF: Oils (fish)

Sperm oils

BT: Processed fishery products

RT: Byproducts

Fish oil extraction

Fish wastes

Stickwater

Fish passages

USE: **Fishways**

Fish paste

USE: **Minced products**

Fish pathology

USE: **Pathology**
Fish physiology

SN: Before 1982 search

PHYSIOLOGY

UF: Physiology (fish)

BT: Animal physiology

RT: Fish

Fish diseases

Ichthyology

Fish plants

USE: **Fishery industry plants**
Fish poisoning

SN: Capture of fish or other

aquatic animals by use of

poisons of different origin

UF: Poison fishing

Poisoning

Shellfish poisoning (catching
method)

BT: Catching methods

RT: Fish

Stupefying methods

Fish pond culture

USE: **Pond culture**
Fish ponds

UF: Farm ponds

BT: Ponds

NT: Breeding ponds

Growing ponds

Stocking ponds

RT: Aquaculture facilities

Enclosures

Hatcheries

Pond culture

Small scale aquaculture

Fish prices

USE: **Pricing**

Fish products

USE: **Fishery products**

Fish protein concentrate

USE: **Fish flour**
Fish pumps

SN: Used for unloading small fish.

Before 1982 search

HARVESTING MACHINES

BT: Pumps

RT: Harvesting machines

Fish rearing ponds

USE: **Nursery ponds**
Fish repellents

UF: Shark repellents

BT: Repellents

RT: Fish

Fish resources

USE: **Fishery resources**

Fish roe

USE: **Roes**

Fish sauce

USE: **Fish silage**

Fish sausage

USE: **Processed fishery products**

Fish scales

USE: **Scales**

Fish scientists

USE: **Ichthyologists**

Fish screens

USE: **Screens**

Fish seed

USE: **Seed (aquaculture)**
Fish silage

UF: Fish sauce

Liquid fish products

Silage from fish

BT: Processed fishery products

RT: Feed

Fish sizing

UF: Acoustic sizing techniques

RT: Echo surveys

Target strength

Fish skin

BT: Skin

RT: Fish leather

Fish wastes

Processed fishery products

Waste utilization

Fish solubles

USE: **Stickwater**

Fish sounds

USE: **Biological noise**

Fish species

USE: **Fish**
Fish spoilage

UF: Spoilage (fish)

BT: Post harvest losses

RT: Quality control

Shrimp spoilage

Fish stocks

USE: **Stocks**
Fish storage

SN: Before 1982 search

STORAGE

UF: Storage (fish)

BT: Storage

NT: Live storage

RT: Cold storage

Fish tracking

USE: **Tracking**

ASFA THESAURUS

Fish traps
USE: **Trap nets**

Fish utilization
NT: Shark utilization
RT: Fishery products
Processing fishery products

Fish wars
USE: **Fishery disputes**

Fish waste utilization
USE: **Waste utilization**

Fish wastes
BT: Organic wastes
RT: Fish
Fish glue
Fish leather
Fish meal
Fish oils
Fish skin
Stickwater
Vessel wastes

Fisherfolk
USE: **Fishers**

Fisheries
UF: Capture fisheries
Commercial fisheries
NT: Artisanal fisheries
Bait fisheries
Canoe fisheries
Carangid fisheries
Coastal fisheries
Demersal fisheries
Estuarine fisheries
Finfish fisheries
Industrial fisheries
Inland fisheries
Marine fisheries
Multispecies fisheries
Roe fisheries
Shellfish fisheries
Sponge fisheries
Subsistence fisheries
Turtle fisheries
RT: Fishery development
Fishery management
Fishery resources
Fishing
Fishing grounds

Fisheries biology
USE: **Fishery biology**

Fisheries data
USE: **Fishery data**

Fisheries hydrography
USE: **Fishery oceanography**

Fisheries institutions
USE: **Fishery institutions**

Fisheries literature
USE: **Documents**

Fisheries management
USE: **Fishery management**

Fisheries organizations
USE: **Fishery organizations**

Fisheries regulations
USE: **Fishery regulations**

Fisheries resources
USE: **Fishery resources**

Fisheries sciences
USE: **Fishery sciences**

Fisheries statistics
USE: **Fishery statistics**

Fishermen
USE: **Fishers**

Fishermen statistics
USE: **Fishers statistics**

Fishers
SN: People who fish, process fish
or make a living from fish.
Before 2016, Search also
FISHERMEN and/or WOMEN
UF: Fisherfolk
Fishermen
Fisherwomen
RT: Fishers statistics
Livelihoods

Fishers statistics
SN: Before 2016 Search
FISHERMEN STATISTICS
UF: Fishermen statistics
BT: Fishery statistics
RT: Fishers

Fisherwomen
USE: **Fishers**

Fishery agreements
SN: Before 2016, search
INTERNATIONAL
AGREEMENTS + FISHERIES
+ FISHERY REGULATIONS
BT: Agreements
NT: FAO Code of Conduct for
Responsible Fisheries
RT: International agreements
Law of the sea
Legislation
Soft law

Fishery aid
SN: Provision of economic, social,
legal or other kinds of assistance
to fishers and /or to their
communities
BT: Aid

RT: Development projects
International cooperation
Rural development
Subsidies
Technology transfer

Fishery biologists
BT: Biologists
RT: Algologists
Carcinologists
Fishery biology
Ichthyologists
Malacologists

Fishery biology
SN: Scientific complex of
different disciplines applied to
biological research in fisheries
UF: Fisheries biology
BT: Biology
Fishery sciences
RT: Fishery biologists
Fishery limnology
Fishery oceanography
Hydrobiology
Ichthyology

Fishery boundaries
BT: Boundaries
RT: Contiguous zones
Exclusive economic zone
Fishery disputes

Fishery charts
SN: Charts for use in fishery
operations including graphical
descriptions of fishing grounds
BT: Maps
RT: Fishery surveys
Survey design

Fishery conflicts
USE: **Fishery disputes**

Fishery cooperatives
USE: **Cooperatives**

Fishery credit
USE: **Financing**

Fishery data
SN: Restricted to fishery operation
data
UF: Fisheries data
BT: Data
RT: Catch-effort
Catch statistics
Fishery statistics
Fishing effort
Fishing power
Fishing time
Observers

Fishery development
BT: Resource development
RT: Development projects
Fisheries

Fishery industry
Fishery institutions
Fishery organizations
Fishery policy
Fishery sciences

Fishery disputes

UF: Fish wars
Fishery conflicts
Fishery litigation
BT: Disputes
RT: Fishery boundaries
Fishery policy
Fishery protection
Fishery regulations
Fishing rights
Foreign fishing
Illegal fishing
Soft law

Fishery economics

SN: Economics of all aspects of fisheries, exploitation, production, processing, marketing, distribution, trade etc.
BT: Economics
Fishery sciences
NT: Aquaculture economics
Capture fishery economics
RT: Fishery management
Fishery policy
Fishing fleet
Incentives

Fishery education

USE: **Education**

Fishery engineering

BT: Engineering
Fishery sciences
RT: Aquaculture engineering
Catching methods
Gear research

Fishery industry

SN: Including any industries of fishery products obtained by handling or processing methods
UF: Fishing industry
Tilapia industry
BT: Industries
RT: Commercial fishing
Community fishing
Fishery development
Fishery industry equipment
Fishery industry legislation
Fishery industry plants
Fishery policy
Fishery products
Industrial fisheries
Packing fishery products
Processing fishery products

Fishery industry equipment

SN: Industrial equipment used for handling and processing fishery

products
BT: Equipment
NT: Fishing gear
RT: Factory ships
Fishery industry
Fishery industry plants
Fishing vessels

Fishery industry legislation

BT: Legislation
RT: Fishery industry

Fishery industry plants

UF: Fish plants
RT: Factory ships
Fishery industry
Fishery industry equipment

Fishery institutions

UF: Fisheries institutions
Fishery research institutions
BT: Research institutions
RT: Community fishing
Fishery development
Fishery organizations
Fishery sciences
Limnological institutions
Oceanographic institutions

Fishery laws

USE: **Fishery regulations**

Fishery legislation

USE: **Fishery regulations**

Fishery limnology

BT: Fishery sciences
Limnology
RT: Fishery biology
Freshwater ecology
Lake fisheries

Fishery litigation

USE: **Fishery disputes**

Fishery management

UF: Fisheries management
BT: Resource management
RT: Buyback
Ecosystem approach
FAO Code of Conduct for Responsible Fisheries
Fisheries
Fishery economics
Fishery policy
Fishing down aquatic food webs
Fishing fleet
Incentives
Indigenous knowledge
Individual transferable quotas
Observers
Scientific advice
Spatial planning
Stewardship
Subsidies

Fishery oceanography

SN: Applied investigations on oceanic conditions of fishing regions or grounds
UF: Fisheries hydrography
BT: Fishery sciences
Oceanography
RT: Fishery biology
Hydrography

Fishery organizations

UF: Fisheries organizations
BT: Organizations
RT: Cooperatives
Fishery development
Fishery institutions
Fishery policy
Fishery regulations
Fishing communities

Fishery policy

UF: Fishing policy
BT: Policies
RT: Allocation systems
Fishery development
Fishery disputes
Fishery economics
Fishery industry
Fishery management
Fishery organizations
Fishery protection
Fishery regulations
Fishing rights
Foreign fishing
Observers

Fishery products

UF: Fish products
Primary fishery products
Seafood products
BT: Products
NT: Processed fishery products
Sashimi
RT: Aquaculture products
Fish inspection
Fish utilization
Fishery industry
Packing fishery products
Product labelling
Smuggling

Fishery products statistics

USE: **Industrial products statistics**

Fishery protection

SN: Measures against illegal fishing by foreign vessels in EEZ, territorial waters or protected fisheries
BT: Protection
RT: Exclusive economic zone
Fishery disputes
Fishery policy
Fishery regulations
Fishing rights
Foreign fishing

Illegal fishing
Observers
Protection vessels
Surveillance and enforcement

Fishery protection vessels
USE: **Protection vessels**

Fishery regulations

SN: Regulations on national rights to fisheries and legislative management of fisheries resources

UF: Fisheries regulations
Fishery laws
Fishery legislation

BT: Legislation

NT: Mesh regulations

Moratoria

Quota regulations

Season regulations

Size-limit regulations

Whaling regulations

RT: Exclusive economic zone

FAO Code of Conduct for

Responsible Fisheries

Fishery disputes

Fishery organizations

Fishery policy

Fishery protection

Fishing fleet

Fishing rights

Maritime legislation

Regulatory compliance

Fishery research institutions

USE: **Fishery institutions**

Fishery resources

UF: Fish resources

Fisheries resources

BT: Living resources

RT: Aquatic animals

Aquatic plants

Fisheries

Fishery surveys

Fishing fleet

Spawning stock biomass

Stocks

Survey design

Fishery sciences

UF: Fisheries sciences

NT: Fishery biology

Fishery economics

Fishery engineering

Fishery limnology

Fishery oceanography

RT: Fishery development

Fishery institutions

Fishery technology

Marine sciences

Theories

Fishery statistics

SN: Including statistical tabulation of data

UF: Fisheries statistics

BT: Statistics

NT: Aquaculture statistics

Catch statistics

Fishers statistics

Fishing vessels statistics

Industrial products statistics

Landing statistics

Sport fishing statistics

RT: Fishery data

Fishing fleet

Fishery surveys

BT: Surveys

RT: Aerial surveys

Echo surveys

Fishery charts

Fishery resources

Ichthyoplankton surveys

Observers

Stock assessment

Fishery technology

SN: Scientific research and industrial techniques applied to fishery industry

BT: Technology

RT: Catching methods

Fishery sciences

Fishing technology

Fishes

USE: **Fish**

Fishing

SN: Use of a more specific term is recommended; consult terms listed below. Before 1995 search also FISHING OPERATIONS

UF: Fishing operations

NT: Artisanal fishing

Bait fishing

Commercial fishing

Community fishing

Experimental fishing

Exploratory fishing

Fee fishing

Ice fishing

Indigenous fishing

Intermediate fishing

Line fishing

Sport fishing

Sustainable fishing

Trap fishing

RT: Catching methods

Fish detection

Fisheries

Fishing fleet

Fishing gear

Fishing grounds

Fishing technology

Fishing vessels

Livelihoods

Vulnerable marine ecosystems

Fishing bait

USE: **Bait**

Fishing barriers

SN: Usually constructed in tidal waters and made of various materials (stakes, branches, reeds, netting, etc.). Differ from fixed gillnets which, when the tide ebbs, may eventually allow the fish not entangled or gilled to pass freely underneath their bottom line. Include : Fences, Weirs, Corrals. Before 1982 search BARRIERS

UF: Barrier nets

Barriers (fishing)

BT: Barriers

RT: Coastal fisheries

Lagoon fisheries

Fishing boats

USE: **Fishing vessels**

Fishing buoys

BT: Buoys

RT: Fishing gear

Radio buoys

Fishing by diving

BT: Catching methods

RT: Diving

Pearl fisheries

Sponge fisheries

Fishing capacity

SN: Ability of a stock of inputs (capital) to produce output (measured as either effort or catch)

NT: Excess capacity

Overcapacity

RT: Common property resources

Overexploitation

Overfishing

Fishing communities

SN: Before 2016 search also

FISHING VILLAGES

UF: Fishing settlements

Fishing villages

RT: Community fishing

Fishery organizations

Rural development

Fishing craft

USE: **Fishing vessels**

Fishing down aquatic food webs

SN: Fishing down aquatic food webs is the process where fishery catches have been gradually shifting from long-living and high trophic level species to short-living species located in low trophic levels of the food web.

UF: Fishing down the food chain
Fishing down the food web

Fishing down freshwater food webs
Fishing down marine food webs
Fishing down coastal food webs
BT: Ecosystem disturbance
RT: Food webs
Trophic levels
Overfishing
Commercial fishing
Catch statistics
Fishery management
Stock assessment
Fishing power

Fishing down coastal food webs
USE: **Fishing down aquatic food webs**

Fishing down freshwater food webs
USE: **Fishing down aquatic food webs**

Fishing down marine food webs
USE: **Fishing down aquatic food webs**

Fishing down the food chain
USE: **Fishing down aquatic food webs**

Fishing down the food web
USE: **Fishing down aquatic food webs**

Fishing effort
UF: Fishing effort statistics
Fishing intensity
RT: Catch-effort
Catch statistics
Fishery data
Fishing fleet
Fishing power
Fishing time

Fishing effort statistics
USE: **Fishing effort**

Fishing equipment
USE: **Fishing gear**

Fishing fleet
SN: An aggregation of fishing vessels of a particular country (e.g. The European Union fishing fleet) or using a particular gear (e.g. Purse seine fleet)
NT: Fishing vessels
RT: Catch statistics
Catching methods
Fishery economics
Fishery management
Fishery regulations
Fishery resources
Fishery statistics
Fishing
Fishing effort

Fishing gear
Fishing grounds

Fishing gear
SN: Technical description of gear used mainly for commercial fishing purposes
UF: Fishing equipment
BT: Fishery industry equipment
NT: Dredges
Electrified gear
Fishing nets
Grappling gear
Harvesting machines
Lines
Pots
Wounding gear
RT: Catching methods
Fishing
Fishing buoys
Fishing fleet
Fishing power
Fishing vessels
Gear construction
Gear materials
Gear research
Gear selectivity
Winches

Fishing grounds
RT: Fisheries
Fishing
Fishing fleet
Fishing rights
Spawning grounds
Submarine banks

Fishing harbours
BT: Harbours
Fishing industry
USE: **Fishery industry**

Fishing injuries
USE: **Injuries**

Fishing intensity
USE: **Fishing effort**

Fishing licenses
USE: **Fishing rights**

Fishing methods
USE: **Catching methods**

Fishing mortality
UF: Fishing mortality coefficient
BT: Mortality
RT: Overfishing
Total mortality
Vulnerability
Yield
Yield-per-recruit

Fishing mortality coefficient
USE: **Fishing mortality**

Fishing nets
BT: Fishing gear
Nets
NT: Cast nets
Codends
Entangling nets
Gillnets
Lift-nets
Seine nets
Surrounding nets
Trap nets
Trawl nets
RT: Nekton collecting devices
Net fishing
Plankton collecting devices

Fishing operations
USE: **Fishing**

Fishing overexploitation
USE: **Overfishing**

Fishing policy
USE: **Fishery policy**

Fishing power
RT: Catch-effort
Fishery data
Fishing down aquatic food webs
Fishing effort
Fishing gear
Fishing time

Fishing rights
SN: The legal right of fishing in a given place at a given time
UF: Customary fishing rights
Exclusive fishing rights
Fishing licenses
BT: Rights
RT: Buyback
Contiguous zones
Exclusive economic zone
Exclusive rights
Extended jurisdiction
Fishery disputes
Fishery policy
Fishery protection
Fishery regulations
Fishing grounds
Foreign fishing
Territorial waters

Fishing seasons
USE: **Season regulations**

Fishing settlements
USE: **Fishing communities**

Fishing technology
SN: Before 1982 search
CATCHING METHODS
BT: Technology
RT: Catching methods
Experimental fishing
Fishery technology
Fishing

Fishing time

RT: Catch statistics
Fishery data
Fishing effort
Fishing power
Landing statistics

Fishing vessels

UF: Fishing boats
Fishing craft
BT: Fishing fleet
NT: Gillnetters
Liners
Seiners
Trawlers
RT: Buyback
Factory ships
Fishery industry equipment
Fishing
Fishing gear
Fishing vessels statistics
Mother ships
Support ships
Surface craft
Work platforms

Fishing vessels statistics

SN: Statistical data tabulated by types of vessels and size categories
BT: Fishery statistics
RT: Fishing vessels

Fishing villages

USE: **Fishing communities**

Fishing zone

USE: **Exclusive economic zone**

Fishways

UF: Fish ladders
Fish passages
BT: Guiding devices
RT: Anadromous migrations
Dams
Habitat improvement (physical)
Screens
Water reservoirs

Fission products

UF: Debris (nuclear)
BT: Radioactive materials
RT: Fallout
Isotopes
Nuclear explosions

Fixation

SN: Fixation methods used to kill and preserve aquatic animal and vegetal organisms for laboratory purposes
UF: Conservation (organisms)
Preservation (organisms)
Wet storage (museum specimens)
RT: Anaesthetics
Fixatives

Preservatives

Fixatives

UF: Fixing agents
RT: Chemical compounds
Cytology
Fixation
Histology

Fixed platforms

SN: Membered structures, permanently attached to the sea floor, with the working level above water
UF: Fixed structures
BT: Offshore structures
NT: Gravity platforms
Guyed towers
Piled platforms
Tension leg platforms
RT: Mobile platforms
Work platforms

Fixed stations

BT: Oceanographic stations
NT: Inshore stations
Ocean stations
RT: Monitoring systems
Standard ocean sections
Time series

Fixed structures

USE: **Fixed platforms**

Fixing agents

USE: **Fixatives**

Fixing position

USE: **Position fixing**

Fjord dynamics

SN: Water motion in fjords
UF: Fjord dynamics
BT: Shelf dynamics
RT: Fjords

Fjords

UF: Fjords
Fjords
BT: Coastal inlets
RT: Drowned valleys
Estuaries
Fjord dynamics
Fossil sea water
Glacial features
Inlets (waterways)
Sill depth
Sills
Submerged shorelines

Flagella

SN: Before 1982 search CILIA
UF: Flagellum
RT: Animal appendages
Cilia
Locomotory appendages

Flagellum

USE: **Flagella**

Flaring

USE: **Gas flaring**

Flash floods

BT: Floods
RT: Disasters
Flood forecasting
Flood plains
Flooding
Water levels

Flatfish culture

SN: Before 2016 search FISH CULTURE + species name
BT: Fish culture

Flatfish fisheries

UF: Flounder fisheries
Halibut fisheries
Plaice fisheries
Sole fisheries
BT: Finfish fisheries
RT: Longlining
Trawling

Flavor

USE: **Taste**

Flavour

USE: **Taste**

Flavour tests

USE: **Taste tests**

Flaw detection

USE: **Nondestructive testing**

Flaws

USE: **Defects**

Flexibility

UF: Rigidity
BT: Mechanical properties
RT: Deformation
Elasticity
Poisson's ratio

Flight behaviour

UF: Bird flight behaviour
BT: Behaviour
RT: Aquatic birds
Flying

Floating

RT: Ballast
Capsizing

Floating barriers

UF: Booms
Oil booms
BT: Barriers

Floating cages

BT: Cages

Floating hoses

BT: Hoses
RT: Loading buoys
Tanker loading

Floating ice

BT: Ice
NT: Fast ice
Ice islands
Ice keels
Ice shelves
Icebergs
Pack ice
RT: Ice caps
Ice jams
Lake ice
Leads
Polynyas
Sea ice

Floating structures

BT: Offshore structures
NT: Mobile platforms
Pontoon
RT: Barges
Buoy systems
Ice rafts
Surface craft
Tension leg platforms

Floating trawls

USE: **Midwater trawls**

Floats (buoyancy)

USE: **Buoyancy floats**

Floats (current measurement)

USE: **Drifters**

Floats (subsurface)

USE: **Subsurface drifters**

Flocculation

BT: Chemical precipitation
RT: Colloids
Coprecipitation
Deflocculation
Sewage treatment
Suspended particulate matter
Suspension

Flood control

UF: Flood prevention
BT: Control
RT: Dams
Embankments
Erosion control
Flood forecasting
Flood plains
Floods
Hydraulic engineering
River basin management
River restoration
Spillways
Stream flow
Water management

Water reservoirs

Watersheds

Flood currents

BT: Tidal currents
RT: High tide
Tidal cycles

Flood damage

BT: Damage

Flood forecasting

UF: Flood predictions
BT: Prediction
RT: Flash floods
Flood control
Flood hydrographs
Floods

Flood hydrographs

RT: Flood forecasting
Floods
Graphs

Flood plains

UF: Floodplains
BT: Landforms
RT: Alluvial deposits
Deltas
Flash floods
Flood control
Floods
Fluvial features
Fluvial morphology
Levees
Plains
River meanders
River valleys
Rivers

Flood predictions

USE: **Flood forecasting**

Flood prevention

USE: **Flood control**

Flooding

UF: Intentional inundation
Inundation
RT: Flash floods
Floods
Storm surges
Tsunamis
Wave effects
Wetlands

Flooding (disasters)

USE: **Floods**

Flooding (irrigation)

USE: **Irrigation**

Floodplains

USE: **Flood plains**

Floods

UF: Escape of water

Flooding (disasters)

BT: Weather hazards

NT: Flash floods

RT: Damage assessment

Disasters

Flood control

Flood forecasting

Flood hydrographs

Flood plains

Flooding

Geological hazards

Storm surges

Tsunamis

Water levels

Floor (ocean)

USE: **Ocean floor**

Flora

UF: Plants

NT: Aquatic plants

Riparian vegetation

Weeds

RT: Biota

Plant strains

Vegetation cover

Flotation

SN: Including flotation mechanisms

RT: Buoyancy

Coagulation

Displacement

Hydrostatic behaviour

Surface properties

Surface tension

Swim bladder

Flotsam

SN: Floating wreckage

UF: Jetsam

RT: Solid impurities

Surface drifters

Wrecks

Flounder fisheries

USE: **Flatfish fisheries**

Flow (water)

USE: **Water currents**

Flow around immersed structure

USE: **Flow around objects**

Flow around objects

UF: Flow around immersed structure

BT: Fluid flow

RT: Current scouring

Lee eddies

Wave forces

Flow cytometry

SN: A technique for identifying and sorting cells and their components (as DNA) by staining with a fluorescent dye

and detecting the fluorescence
usually by laser beam
illumination

BT: Cell counters
RT: Cytogenetics
Cytology
Instruments

Flow in channels

USE: **Channel flow**

Flow measurement

SN: Before 1984 search also

FLUID FLOW
MEASUREMENT

BT: Measurement
NT: Current measurement
Turbulence measurement
Wind measurement
RT: Flow measuring equipment
Fluid flow

Flow measuring equipment

BT: Measuring devices
NT: Current measuring equipment
Flowmeters
Wind measuring equipment
RT: Flow measurement
Fluid flow

Flow over surfaces

SN: Use of a more specific term is
recommended
BT: Fluid flow
NT: Air flow over land
Air flow over water
RT: Topographic effects

Flow over water surface

USE: **Air flow over water**

Flow sensors

USE: **Flowmeters**

Flow structures

BT: Sedimentary structures
RT: Slumping
Turbidity current structures

Flowlines

SN: Pipelines from underwater
wellheads to manifolds or riser
pipes
BT: Pipelines
RT: Gathering lines
Manifolds
Riser pipes
Wellheads

Flowmeters

UF: Flow sensors
BT: Flow measuring equipment
RT: Anemometers
Channel flow
Current meters
Current sensors
Current velocity

Thermistors

Wind measuring equipment

Fluid dynamics

BT: Dynamics
Fluid mechanics
NT: Aerodynamics
RT: Atmospheric motion
Equation of continuity
Fluid motion
Water motion

Fluid flow

BT: Fluid motion
NT: Ageostrophic flow
Channel flow
Critical flow
Density flow
Flow around objects
Flow over surfaces
Geostrophic flow
Horizontal motion
Hydrothermal flow
Jets
Laminar flow
Multiphase flow
Percolation
Plumes
Potential flow
Shear flow
Stratified flow
Turbulent flow
RT: Flow measurement
Flow measuring equipment
Fluids
Froude number
Oscillatory flow
Water currents
Winds

Fluid mechanics

SN: Before 1982 search
HYDRODYNAMICS
BT: Mechanics
NT: Fluid dynamics
Hydrodynamics
Hydrostatics
RT: Dynamical oceanography
Fluid motion
Fluids

Fluid motion

SN: Before 1982 search
HYDRODYNAMICS
BT: Motion
NT: Baroclinic motion
Barotropic motion
Billows
Fluid flow
Langmuir circulation
Turbulent entrainment
Unidirectional flow
Unsteady flow
RT: Anticyclonic motion
Current meandering
Dynamical oceanography
Fluid dynamics

Fluid mechanics

Meandering

Planetary waves

Residual flow

Rotating fluids

Stream flow

Tidal motion

Vertical motion

Vortices

Water circulation

Water currents

Wave motion

Fluid mud

BT: Mud
RT: Fluidization

Fluidization

BT: Phase changes
NT: Liquefaction
RT: Fluid mud
Fluidized sediment flow
Fluids
Grain flow
Slumping

Fluidized sediment flow

BT: Sediment gravity flows
NT: Liquefied sediment flow
RT: Cohesionless sediments
Fluidization
Pore pressure
Pore water

Fluids

SN: Use of a more specific term is
recommended
NT: Body fluids
Drilling fluids
Gases
Liquids
Non-Newtonian fluids
Rotating fluids
RT: Fluid flow
Fluid mechanics
Fluidization

Flumes

BT: Laboratory equipment
RT: Channels
Wave tanks

Fluorescence

BT: Luminescence
RT: Biological properties
Bioluminescence
Fluorescence microscopy
Fluorescence spectroscopy
Fluorimeters
Immunofluorescence
Light scattering
Phosphorescence

Fluorescence microscopy

BT: Microscopy
RT: Fluorescence
Radiography

Fluorescence spectroscopy

UF: Atomic fluorescence spectroscopy
BT: Spectroscopic techniques
RT: Chemical fingerprinting
Fluorescence

Fluorides

BT: Fluorine compounds
RT: Halides

Fluorimeters

UF: Fluorometers
RT: Fluorescence
Light measuring instruments

Fluorinated hydrocarbons

BT: Halogenated hydrocarbons
NT: Freons

Fluorine

BT: Halogens
RT: Fluorine compounds
Fluorite

Fluorine compounds

BT: Halogen compounds
NT: Fluorides
RT: Brines
Chloric acid
Chlorine compounds
Chlorinity
Dissolved salts
Fluorine
Organic compounds

Fluorite

BT: Halide minerals
RT: Fluorine

Fluorometers

USE: **Fluorimeters**

Flushing

RT: Flushing time
Tidal inlets

Flushing time

RT: Estuarine dynamics
Flushing
Lake dynamics
Pollutants
Renewal
Residence time

Flute casts

USE: **Current marks**

Fluvial deposition features

USE: **Fluvial features**

Fluvial deposits

RT: Fluvial features
Fluvial sedimentation
Fluvial transport

Fluvial features

UF: Fluvial deposition features
RT: Alluvial fans
Bed forms
Channels
Deltas
Deposition features
Flood plains
Fluvial deposits
Fluvial morphology
Levees
River basins
River meanders
River valleys
Rivers

Fluvial morphology

UF: River morphology
BT: Geomorphology
RT: Alluvial deposits
Deltas
Distributaries
Flood plains
Fluvial features
Fluvial transport
Headwaters
River banks
River beds
River engineering
River meanders
River valleys
Rivers
Terraces
Tributaries

Fluvial sedimentation

BT: Sedimentation
RT: Alluvial deposits
Deltaic deposits
Fluvial deposits
Fluvial transport
Rivers
Sedimentary environments

Fluvial transport

BT: Sediment transport
RT: Alluvial deposits
Channel flow
Fluvial deposits
Fluvial morphology
Fluvial sedimentation
River discharge
Rivers

Fly ash

BT: Ashes
RT: Air pollution
Atmospheric particulates

Flyfishing

USE: **Sport fishing**

Flying

UF: Bird flying
BT: Locomotion
RT: Aquatic birds
Flight behaviour

Flysch

BT: Clastics
RT: Terrigenous sediments

Foams

SN: Including foaming phenomena on the surface of water bodies
RT: Air bubbles
Capillarity
Colloids
Surface chemistry
Whitcaps

Foetus

UF: Fetus
BT: Embryos
RT: Parturition
Placenta

Fog

UF: Advection fog
Arctic sea smoke
Evaporation fog
Mist
Radiation fog
Sea fog
Sea mist
Sea smoke
Steam fog
BT: Clouds
RT: Dew point
Haze
Upwelling
Visibility
Weather

Folds

UF: Folds (geology)
BT: Geological structures
NT: Anticlines
Geosynclines
Nappes
Structural domes
Synclines
RT: Rock deformation

Folds (geology)

USE: **Folds**

Food

SN: Use of a more specific term is recommended
NT: Human food
Livestock food
RT: Dietary fibre
Food absorption
Food additives
Food availability
Food composition
Food consumption
Food conversion
Food fish
Food poisoning
Food technology
Food webs

Hunger	Food security	Food
Nutrition	Starvation	Food composition
Nutritive value		
Pesticide residues		
Food-chain approach	Food chains	Food conversion rate
SN: FAO defines the food chain approach as recognition that the responsibility for the supply of food that is safe, healthy and nutritious is shared along the entire food chain by all involved with the production, processing and trade of food. As such, the implications are much broader than those aspects limited to food safety systems	BT: Food webs	USE: Food conversion
BT: Policies	RT: Bioenergetics	
RT: Biosecurity	Decomposers	Food cycle
Codex standards	Feeding behaviour	USE: Trophodynamic cycle
Consumer protection	Food availability	
Food contamination	Food organisms	Food fish
Food safety	Grazing	UF: Edible fish
Food traceability	Trophic levels	BT: Fish
Health and safety	Veterinary drugs residues	RT: Fish consumption
Public health		Food
	Food colours	Food organisms
	USE: Food additives	
Food absorption	Food composition	Food for human consumption
UF: Absorption (food)	SN: Chemical composition of industrial aquatic products for human and animal consumption	USE: Human food
RT: Biological uptake	BT: Chemical composition	Food insecurity
Digestion	RT: Dietary fibre	SN: The state of being without reliable access to a sufficient quantity of affordable, nutritious food
Food	Food	RT: Famine
Nutrition	Food additives	Food availability
	Food conversion	Food resources
	Food technology	Human food
	Nutritive value	Nutrition
Food additives	Food consumption	Policies
UF: Food colours	UF: Consumption	Socioeconomic aspects
Food stabilizers	Food consumption rate	Starvation
BT: Additives	RT: Animal nutrition	
RT: Antioxidants	Bioenergetics	Food organisms
Bioactive compounds	Calories	UF: Fish food organisms
Food	Digestion	Live feed
Food composition	Ecological efficiency	Live food
Food technology	Food	Natural food
Vitamins	Food availability	BT: Aquatic organisms
	Nutritional requirements	RT: Aquatic insects
	Stable isotopes	Food availability
	Stomach content	Food chains
		Food fish
	Food consumption rate	Forage fish
	USE: Food consumption	Phytoplankton
		Zooplankton
Food aid	Food contamination	Food poisoning
SN: International transactions that result in the provision of aid in the form of a food commodity in a country deemed in need of receiving such aid.	UF: Contaminants (food)	RT: Allergic reactions
BT: Aid	Contamination (food)	Bacteria
RT: Famine	BT: Pollution	Botulism
Subsidies	RT: Chemical pollutants	Food
	Consumer protection	Food contamination
	Food-chain approach	Food safety
	Food poisoning	Microbial contamination
	Food safety	Toxicity
	Microbial contamination	
	Public health	Food preferences
Food availability	Food conversion	RT: Feeding behaviour
BT: Availability	SN: Efficiency of food conversion by organisms	Grazing
RT: Biotic factors	UF: Assimilation (food)	
Biotic pressure	Conversion efficiency	Food processing
Competition	Food conversion rate	USE: Food technology
Environmental factors	RT: Animal nutrition	
Famine	Digestion	Food requirements
Food	Feeding	USE: Nutritional requirements
Food chains		
Food consumption		
Food insecurity		
Food organisms		

Food resources

SN: For human consumption only
BT: Natural resources
RT: Food insecurity
Food security
Freshwater resources
Human food
Living resources
Marine resources
Renewable resources
Unconventional resources

Food safety

SN: Techniques and procedures for protecting the food supply from microbial, chemical (i.e. rancidity, browning) and physical (i.e. drying out, infestation) hazards or contamination that may occur during all stages of food production and handling-growing, harvesting, processing, transporting, preparing, distributing and storing
RT: Biosecurity
Consumer protection
Food-chain approach
Food contamination
Food poisoning
Food traceability
HACCP
Health and safety
Human food
Public health
Quality control

Food security

SN: Physical and economic access, at all times, to sufficient, safe and nutritious food to meet dietary needs and food preferences for an active and healthy life
UF: Freedom from hunger
RT: Community fishing
Famine
Food availability
Food resources
Human food
Nutrition
Policies
Socioeconomic aspects
Starvation

Food stabilizers

USE: **Food additives**

Food technology

SN: Restricted to industrial aquatic products for human and animal consumption
UF: Food processing
BT: Technology
RT: Food
Food additives
Food composition

Food traceability
Microbiology
Processing fishery products
RFID tags

Food traceability

SN: The ability to track any food, feed, food-producing animal or substance that will be used for consumption, through all stages of production, processing and distribution
BT: Quality control
RT: Food-chain approach
Food safety
Food technology
Inspection
Marketing
Processing fishery products
Product labelling
Public health
RFID tags

Food webs

NT: Food chains
RT: Biological production
Biomnipulation
Cycles
Ecosystems
Energy flow
Fishing down aquatic food webs
Food
Heterotrophic organisms
Stable isotopes
Trophic relationships
Trophodynamic cycle

Forage fish

SN: The prey of predatory fish
BT: Fish
RT: Food organisms
Forage species

Forage species

SN: Species used as prey by a predator for its food
RT: Forage fish

Foraging behaviour

BT: Feeding behaviour
RT: Grazing

Foraminifera

SN: Before 2016 search also as a taxonomic descriptor
RT: Foraminiferal ooze
Fossil foraminifera
Micropalaeontology

Foraminiferal ooze

UF: Globigerina ooze
BT: Calcareous ooze
RT: Foraminifera
Fossil foraminifera

Forced convection

BT: Convection
RT: Laminar flow
Prandtl number

Forced oscillations

BT: Oscillations

Forces

NT: Centrifugal force
Centripetal force
RT: Gravitation
Inertia

Forces (mechanics)

NT: Coriolis force
Friction
Gravity
Loads (forces)
Stress (mechanics)

Forearc basins

BT: Structural basins
RT: Active margins
Island arcs
Marginal basins
Ocean basins
Oceanic trenches
Subduction

Forecasting

USE: **Prediction**

Forecasts

USE: **Prediction**

Foreign fishing

SN: Refers to commercial fishing by foreign vessels
BT: Commercial fishing
RT: Exclusive economic zone
Fishery disputes
Fishery policy
Fishery protection
Fishing rights

Foreign trade

USE: **Trade**

Foreset beds

BT: Deltaic features
RT: Deltaic deposits
Deltaic sedimentation

Foreshore

UF: Beach face
BT: Beach features

Forest industry

BT: Industries
RT: Deforestation
Forests

Forests

RT: Deforestation
Forest industry

Fork length

SN: A measurement used frequently for fish length when the tail has a fork shape. Projected straight distance between the tip of the fish and the fork of the tail. Before 2016, Search various combinations of the following terms: Length, size distribution, body size, length-weight relationships, morphometry etc.
BT: Length
RT: Length-weight relationships
Stock assessment

Form drag

BT: Drag
RT: Bed roughness
Bottom friction

Formulae

RT: Mathematical models

Forward scattering

SN: Forward scattering of sound waves
BT: Sound scattering
RT: Backscatter

Fossil assemblages

RT: Biostratigraphy
Fossils

Fossil diatoms

BT: Vegetal fossils
RT: Diatom ooze

Fossil foraminifera

BT: Animal fossils
RT: Foraminifera
Foraminiferal ooze

Fossil fueled power plants

BT: Power plants
RT: Fossil fuels

Fossil fuels

UF: Fuel resources
BT: Fuels
Subsurface deposits
NT: Coal
Natural gas
Petroleum
RT: Energy resources
Fossil fueled power plants
Green energy
Hydrocarbons
Nonrenewable resources

Fossil pollen

BT: Vegetal fossils
RT: Palynology
Pollen

Fossil pteropods

BT: Animal fossils

RT: Pteropod ooze

Fossil radiolaria

BT: Animal fossils
RT: Radiolarian ooze

Fossil sea water

BT: Sea water
RT: Fjords
Palaeoceanography
Relict lakes

Fossil spores

BT: Vegetal fossils
RT: Palynology
Spores

Fossilized tracks

BT: **Trace fossils**

Fossils

NT: Animal fossils
Vegetal fossils
RT: Age determination
Archaeology
Biofacies
Calcification
Fossil assemblages
Living fossils
Palaeoclimate
Palaeoecology
Palaeontology
Trace fossils

Foulers

USE: **Fouling organisms**

Fouling

RT: Antifouling substances
Degradation
Fouling control
Fouling organisms
Scaling

Fouling control

UF: Fouling prevention
BT: Control
RT: Antifouling substances
Biological control
Coating materials
Coating processes
Fouling
Fouling organisms
Maintenance and repair

Fouling organisms

UF: Foulers
BT: Aquatic organisms
RT: Biofilms
Biological damage
Boring organisms
Fouling
Fouling control

Fouling prevention

USE: **Fouling control**

Foundations

UF: Marine foundations
Seabed foundations
NT: Piles
RT: Settlement (structural)

Fourier analysis

SN: Before 1982 search
HARMONIC ANALYSIS
BT: Mathematical analysis
RT: Fourier transforms
Harmonic analysis
Signal processing
Tidal analysis
Time series analysis
Waveform analysis

Fourier transforms

BT: Functional analysis
RT: Fourier analysis

Fovea

USE: **Retinas**

Fracking

USE: **Hydraulic fracturing**

Fracture zones

BT: Submarine features
RT: Escarpments
Fault zones
Mid-ocean ridges
Plate tectonics
Seafloor spreading
Valleys

Fractures

BT: Defects
RT: Cracks

Frame surveys

SN: A complete description of the structure of any system to be sampled for collection of statistics. In fisheries, it may include the inventory of ports, landing places, number and type of fishing units (boats and gears), and a description of fishing and landing activity patterns, fish distribution routes, processing and marketing patterns, supply centres for goods and services, etc.
BT: Surveys

Framework

SN: Use as a modifier together with appropriate Thesaurus term(s), e.g. Framework + Planning or Framework + Policies etc.
RT: Best practices
Documentation
Methodology
Planning

Francolite

BT: Phosphate minerals

Freak waves

BT: Water waves
RT: Catastrophic waves

Free-fall corers

USE: **Corers**

Free-fall equipment

USE: **Free-fall instruments**

Free-fall instruments

UF: Free-fall equipment
BT: Instruments
NT: Free-fall profilers
RT: Oceanographic equipment

Free-fall profilers

BT: Free-fall instruments
Profilers
RT: Velocity profilers

Free-swimming vehicles

SN: Underwater vehicles with 3-D manoeuvrability
BT: Underwater vehicles
NT: Tethered free-swimming vehicles
RT: Self-propelled vehicles
Submersibles
Untethered vehicles

Free air anomalies

BT: Gravity anomalies
RT: Free air gravity charts

Free air correction

USE: **Gravity corrections**

Free air gravity charts

BT: Gravity charts
RT: Free air anomalies

Free energy

BT: Thermodynamic properties
RT: Energy
Enthalpy

Freedom from hunger

USE: **Food security**

Freeze-dried products

BT: Dried products
RT: Freeze-drying

Freeze-drying

SN: Drying in frozen state; implies water vacuum
BT: Drying
RT: Freeze-dried products

Freeze branding

USE: **Cold branding**

Freezing

BT: Phase changes
RT: Antifreezes

Cooling
Freezing point
Freezing storage
Ice formation
Icing
Melting
Refrigeration
Solidification
Sublimation
Thawing

Freezing point

BT: Transition temperatures
RT: Freezing

Freezing point depressants

USE: **Antifreezes**

Freezing storage

UF: Cryopreservation
Cryoprotectants
Frozen storage
BT: Cold storage
RT: Freezing
Frozen products

Freons

BT: Fluorinated hydrocarbons

Frequency

NT: Brunt-Vaisala frequency
High frequency
Low frequency
Resonant frequency
Wave frequency
RT: Dynamic response
Frequency analysis
Frequency spectra
Periodicity

Frequency (time)

USE: **Periodicity**

Frequency analysis

BT: Statistical analysis
RT: Frequency
Spectral analysis

Frequency spectra

BT: Spectra
RT: Energy spectra
Frequency

Fresh water

SN: Including any type of surface and subsurface waters. Before 1982 search also FRESHWATER
BT: Water
RT: Drinking water
Freshwater aquaculture
Freshwater ecology
Freshwater lakes
Freshwater pollution

Freshwater-seawater interface

USE: **Estuarine fronts**

Freshwater aquaculture

UF: Inland water aquaculture
BT: Aquaculture
RT: Agropisciculture
Algal culture
Bait culture
Cage culture
Extensive culture
Fish culture
Fresh water
Freshwater fish
Freshwater organisms
Frog culture
Hybrid culture
Monoculture
Prawn culture
Raceway culture
Rice field aquaculture
Shellfish culture
Thermal aquaculture

Freshwater crab culture

USE: **Crab culture**

Freshwater crustaceans

UF: Crustaceans (freshwater)
BT: Aquatic crustaceans
Freshwater invertebrates
RT: Crustacean culture
Crustacean fisheries
Crustacean larvae
Shellfish

Freshwater ecologists

BT: Ecologists
Freshwater scientists
RT: Freshwater ecology

Freshwater ecology

UF: Biological limnology
Limnology (biological)
Stream ecology
BT: Ecology
Freshwater sciences
RT: Aquatic communities
Fishery limnology
Fresh water
Freshwater ecologists
Freshwater organisms
Inland water environment

Freshwater environment

USE: **Inland water environment**

Freshwater fish

BT: Fish
Freshwater organisms
NT: Coarse fish
RT: Freshwater aquaculture
Herbivorous fish
Inland fisheries
Inland water environment
Potadromous migrations

Freshwater ice

BT: Ice
RT: Glaciers
Lake ice
Land ice

Freshwater invertebrates

BT: Aquatic invertebrates
Freshwater organisms
NT: Freshwater crustaceans
Freshwater molluscs
RT: Aquatic insects
Brackishwater invertebrates
Invertebrate zoology
Macroinvertebrates
Marine invertebrates
Microinvertebrates

Freshwater lagoons

USE: **Inland lagoons**

Freshwater lakes

BT: Lakes
RT: Fresh water

Freshwater mammals

BT: Aquatic mammals
Freshwater organisms
RT: Marine mammals

Freshwater molluscs

UF: Molluscs (freshwater)
Mollusks (freshwater)
BT: Aquatic molluscs
Freshwater invertebrates
RT: Glochidia
Malacology
Mollusc culture
Mollusc fisheries
Shellfish

Freshwater organisms

BT: Aquatic organisms
NT: Freshwater fish
Freshwater invertebrates
Freshwater mammals
Freshwater weeds
RT: Freshwater aquaculture
Freshwater ecology
Freshwater resources

Freshwater parks

SN: Freshwater areas protected
against human impact.
BT: Protected areas
RT: Marine parks
Protected resources
Recreational waters
Refuges
Sanctuaries

Freshwater plants

SN: Any microscopic or
macroscopic vegetal organism
living in the freshwater
environment
BT: Aquatic plants

NT: Freshwater weeds

Freshwater pollution

BT: Water pollution
RT: Acid rain
Fresh water
Groundwater pollution

Freshwater resources

BT: Natural resources
RT: Food resources
Freshwater organisms
Living resources
Mineral resources
Renewable resources

Freshwater sciences

BT: Aquatic sciences
NT: Freshwater ecology
RT: Freshwater scientists
Hydrobiology
Hydrology
Limnology

Freshwater scientists

UF: Limnologists
BT: Scientific personnel
NT: Freshwater ecologists
RT: Freshwater sciences
Limnology

Freshwater sedimentation

USE: **Sedimentation**

Freshwater springs

USE: **Water springs**

Freshwater turtles

BT: Aquatic reptiles
RT: Sea turtles

Freshwater weeds

UF: Pond weeds
BT: Freshwater organisms
Freshwater plants
Weeds

Friction

BT: Forces (mechanics)
NT: Bottom friction
Tidal friction
RT: Drag
Energy dissipation
Roughness
Wear

Fringing reefs

BT: Coral reefs
RT: Barrier reefs

Frog culture

UF: Amphibian culture
Frog farms
BT: Cultures
RT: Agropisciculture
Freshwater aquaculture
Polyculture

Pond culture

Worm culture

Frog farms

USE: **Frog culture**

Frontal features

SN: Mesoscale features of
convergence in atmosphere and
oceans
BT: Mesoscale features
RT: Atmospheric fronts
Convergence
Convergence zones
Frontogenesis
Oceanic fronts

Frontiers (national)

USE: **International boundaries**

Frontogenesis

BT: Interface phenomena
RT: Air masses
Convergence
Frontal features
Fronts
Water masses

Fronts

SN: Use of a more specific term is
recommended
NT: Atmospheric fronts
Coastal fronts
Oceanic fronts
Polar fronts
Saline fronts
Thermal fronts
RT: Convergence zones
Frontogenesis
Interfaces

Fronts (meteorology)

USE: **Atmospheric fronts**

Frost resistance

USE: **Cold resistance**

Froude number

RT: Dimensionless numbers
Fluid flow
Inertia
Kinetic energy
Potential energy
Reynolds number

Frozen products

BT: Processed fishery products
RT: Chilled products
Freezing storage
Refrigeration
Thawing

Frozen storage

USE: **Freezing storage**

Fry

BT: Fish larvae

RT: Fingerlings
Hatching
Seed (aquaculture)
Seed collection

Fucose
BT: Monosaccharides

Fucosterol
BT: Sterols

Fuel economy
SN: Energy saving measures,
including equipment and
methods
RT: Fuels
Resource conservation

Fuel resources
USE: **Fossil fuels**

Fuels
UF: Diesel fuels
Heating fuels
Motor fuels
NT: Fossil fuels
Liquefied petroleum gas
RT: Fuel economy
Lubricants
Vessel wastes

Fulvic acids
BT: Organic acids
RT: Humic acids
Humus

Functional analysis
UF: Laplace transformation
BT: Numerical analysis
NT: Fourier transforms
Harmonic analysis
RT: Finite element method

Functional morphology
BT: Biology
RT: Organism morphology

Functional traits
USE: **Biological traits**

Funding
USE: **Financing**

Fungal diseases
UF: Fungous diseases
Fungus diseases
Mycoses
Mycotic diseases
BT: Infectious diseases
RT: Fungi
Fungicides
Gill disease
Mycology
Parasitic diseases

Fungal gill disease
USE: **Gill disease**

Fungal vaccines
USE: **Vaccines**

Fungi
SN: Before 2016 search also as a
taxonomic descriptor
RT: Aquatic plants
Bioerosion
Conidia
Decomposers
Fungal diseases
Fungicides
Microbial contamination
Microbiological analysis
Microbiological culture
Microorganisms
Mycology
Spores

Fungicides
SN: Before 1982 search
PESTICIDES
UF: Antifungals
Slimicides
BT: Pesticides
RT: Antibiotics
Fungal diseases
Fungi
Mycology

Fungous diseases
USE: **Fungal diseases**

Fungus diseases
USE: **Fungal diseases**

Fur
USE: **Hair**

Furane
USE: **Furans**

Furans
UF: Furane
Furfuran
Polychlorinated dibenzofurans
BT: Chlorinated hydrocarbons

Furfuran
USE: **Furans**

Furrows (deep-sea)
USE: **Deep-sea furrows**

Furunculosis
USE: **Boil disease**

Fyke nets
USE: **Trap nets**

Fyords
USE: **Fjords**

Gabbros
BT: **Igneous rocks**

Gadoid fisheries
UF: Capelin fisheries
Cod fisheries
Haddock fisheries
Hake fisheries
Pollack fisheries
Whiting fisheries
BT: Finfish fisheries
RT: Trawling

Gadolinium
BT: Lanthanides
RT: Gadolinium isotopes

Gadolinium isotopes
BT: Isotopes
RT: Gadolinium
Rare earths

Galatheid fisheries
USE: **Squat lobster fisheries**

Gale force winds
SN: Winds of 28-55 knots
BT: Winds
RT: Beaufort scale
Gusts
Hurricanes

Gales
USE: **Storms**

Gall bladder
BT: Bladders
RT: Bile

Gallium
BT: Heavy metals
RT: Ferromanganese nodules

Game fish
UF: Sport fish
BT: Fish
RT: Sport fishing
Sport fishing statistics

Game theory
BT: Operations research
RT: Mathematical models
Mathematical programming
Numerical analysis
Probability theory
Simulation

Gametes
SN: Before 1995 search SEXUAL
CELLS
UF: Germinal cells
BT: Sexual cells

Gametogenesis
BT: Morphogenesis
NT: Oogenesis
Spermatogenesis
RT: Sexual maturity

Gametophytes

BT: Developmental stages
RT: Haploids
Life cycle
Mitosis
Plant growth
Spores

Gamma radiation

UF: Gamma rays
BT: Electromagnetic radiation
RT: Gamma spectroscopy

Gamma ray transmission

USE: **Gamma spectroscopy**

Gamma rays

USE: **Gamma radiation**

Gamma spectroscopy

UF: Gamma ray transmission
BT: Spectroscopic techniques
RT: Gamma radiation
Radioactivity

Gammaglobulins

USE: **Globulins**

Ganglia

UF: Ganglion
Nerve ganglia
BT: Central nervous system
RT: Brain
Nerves
Nervous tissues

Ganglion

USE: **Ganglia**

Gangrenes

USE: **Necroses**

Garbage

USE: **Litter**

Garnet

BT: Silicate minerals
RT: Placers

Gas

USE: **Gases**

Gas-oil interface

USE: **Oil-gas interface**

Gas bladders

USE: **Swim bladder**

Gas bubble disease

USE: **Bubble disease**

Gas chromatography

BT: Chromatographic techniques

Gas condensate fields

UF: Condensate fields
BT: Oil and gas fields

RT: Gas condensates

Gas condensates

BT: Petroleum
RT: Gas condensate fields
Natural gas

Gas embolism

USE: **Bubble disease**

Gas exchange

UF: Gas transfer
RT: Air-water exchanges
Air-water interface
Gases
Sediment-water exchanges

Gas fields

BT: Oil and gas fields
RT: Natural gas

Gas flaring

UF: Flaring
RT: Oil treating
Waste disposal

Gas gathering

USE: **Gathering lines**

Gas hydrates

UF: Solid gas hydrates
BT: Hydrocarbons
RT: Methane

Gas industry

USE: **Oil and gas industry**

Gas oil separation

UF: Oil gas separation
BT: Separation
RT: Oil and gas production

Gas processing

SN: For field operations
RT: Liquefied natural gas
Oil and gas production
Separation

Gas production

SN: Pertains to surface equipment
and methods used to produce
natural gas from underground
reservoirs
BT: Oil and gas production
RT: Hydraulic fracturing
Natural gas

Gas seepages

BT: Seepages
RT: Gas turbation
Natural gas

Gas solubility

BT: Solubility
RT: Gases

Gas terminals

RT: Liquefied petroleum gas
Natural gas
Oil and gas industry
Pipelines
Port installations
Tanker terminals

Gas transfer

USE: **Gas exchange**

Gas turbation

BT: Sediment mixing
RT: Diagenesis
Gas seepages
Mixing processes
Pock marks

Gas water separation

BT: Separation

Gas well blowouts

USE: **Blowouts**

Gases

UF: Gas
BT: Fluids
NT: Atmospheric gases
Biogas
Breathing mixtures
Compressed gas
Dissolved gases
Natural gas
Rare gases
RT: Air
Ammonia
Artificial aeration
Gas exchange
Gas solubility
Liquids
Oil-gas interface

Gastric evacuation

RT: Excretion
Stomach content

Gastrointestinal system

USE: **Digestive system**

Gastropod culture

BT: Mollusc culture
NT: Abalone culture
Conch culture
Topshell culture
RT: Gastropod fisheries

Gastropod fisheries

UF: Abalone fisheries
Conch fisheries
Ormer fisheries
Sea snail fisheries
Whelk fisheries
Winkle fisheries
BT: Mollusc fisheries
RT: Gastropod culture
Marine fisheries
Trap fishing

Gathering lines

UF: Gas gathering
BT: Pipelines
RT: Flowlines

Gauges

BT: Measuring devices
NT: Strain gauges
Tide gauges

Gaussian distribution

BT: Distribution
RT: Statistical analysis

Gazeteers

USE: **Gazetteers**

Gazetteers

SN: Before 1995 search
GAZETTEERS
UF: Gazetteers
BT: Documents
RT: Atlases

Gear construction

UF: Cage construction
Net construction
RT: Codends
Fishing gear
Gear materials
Gear research

Gear efficiency

USE: **Gear selectivity**

Gear handling

RT: Davits
Deck equipment
Deployment
Recovery
Winches

Gear materials

SN: Description and different types of synthetic material used in construction of gear, fishing nets, aquaculture equipment
BT: Materials
NT: Netting materials
Yarns
RT: Fishing gear
Gear construction
Gear research

Gear research

RT: Experimental fishing
Fishery engineering
Fishing gear
Gear construction
Gear materials
Gear selectivity

Gear selectivity

SN: Restricted to biological sampling and fishing gear
UF: Gear efficiency

Trawl selectivity
NT: Mesh selectivity
RT: Fishing gear
Gear research

Geiger counters

BT: Counters
RT: Radioactivity

GEK

UF: Geomagnetic electrokinetograph
RT: Current measuring equipment
Electric potential
Oceanographic equipment

Gelatinous zooplankton

BT: Zooplankton
RT: Jellyfish blooms

Gelbstoff

UF: Yellow substance
RT: Water colour

Gels

BT: Colloids
RT: Thixotropy

Gemmules

RT: Asexual reproduction
Budding
Colonies

Gender

SN: Refers to the socially constructed roles, behaviours, activities, and attributes that a given society considers appropriate for men and women.
Before 2016 search also SEX
UF: Gender discrimination
Gender equality
Gender roles
NT: Females
Males
Men
Women
RT: Sex

Gender discrimination

USE: **Gender**

Gender equality

USE: **Gender**

Gender roles

USE: **Gender**

Gene banks

SN: A biorepository which preserve genetic material in the form of complete DNA e.g. seeds, tissue etc.
UF: Tissue banks
BT: Biological collections
RT: Archives
Biodiversity

Gene libraries
Genetic techniques
Genetics
Sample storage

Gene expression

RT: Genes

Gene libraries

SN: A biorepository which preserve genetic material in the form of a large collection of cloned individual genes from an organism's DNA. This collection, called a library should be either a) large enough to potentially contain a clone of every individual gene the organism has (genomic library) or b), using RNA instead of DNA, contain a clone of a more limited number of individual genes of the organism (cDNA library)
UF: cDNA libraries
DNA banks
Genomic libraries
BT: Biological collections
RT: Gene banks
Genetics

Gene mutations

USE: **Mutations**

Gene pool

SN: The sum total of all the genes of all the individuals in a population
RT: Alleles
Genomes
Species diversity

Gene products

RT: Genes

Genecology

BT: Ecology
RT: Genetic diversity
Genetic drift
Genetics

General circulation (atmospheric)

USE: **Atmospheric circulation**

General circulation (oceans)

USE: **Ocean circulation**

Generation (sound waves)

USE: **Sound generation**

Generation (water waves)

USE: **Wave generation**

Generators

USE: **Electric generators**

ASFA THESAURUS

Genes

BT: Chromosomes
 NT: Alleles
 RT: DNA
 DNA fingerprinting
 DNA replication
 Gene expression
 Gene products
 Genetics
 Genotypes
 Genotyping
 Mutations
 Ornamentation
 Promoters
 RNA replication

Genetic abnormalities

BT: Abnormalities
 RT: Albinism
 Genetics
 Mutations
 Teratogens
 Teratology

Genetic distance

UF: Distance (genetics)
 RT: Bioselection
 Genetic drift
 Genetic isolation
 Genetics
 Population genetics

Genetic diversity

UF: Genetic variation
 RT: Biodiversity
 Genecology

Genetic drift

UF: Drift (genetic)
 Genetic selection
 Seawall wright effect
 BT: Bioselection
 RT: Genecology
 Genetic distance
 Genetic isolation
 Mutations
 Population genetics

Genetic engineering

USE: **Biotechnology**

Genetic factors

USE: **Genomes**

Genetic fingerprinting

USE: **DNA fingerprinting**

Genetic isolation

UF: Isolation (genetics)
 BT: Isolating mechanisms
 RT: Genetic distance
 Genetic drift

Genetic markers

SN: A gene or DNA sequence
 having a known location on a

chromosome and associated
 with a particular gene or trait -
 can be used in family or
 population studies

UF: Chromosome markers
 DNA markers

 Molecular markers

BT: Biomarkers

RT: Chromosomes

 DNA

 DNA fingerprinting

 Genetic techniques

 Genetics

Genetic polymorphism

USE: **Biopolymorphism**

Genetic profiling

USE: **DNA fingerprinting**

Genetic selection

USE: **Genetic drift**

Genetic techniques

NT: DNA fingerprinting
 Microinjection
 Polymerase chain reaction
 Sequencing

RT: Biochemistry

 Biotechnology

 Gene banks

 Genetic markers

 Genetics

 Genotyping

Genetic variation

USE: **Genetic diversity**

Genetically modified organisms

SN: An organism in which the
 genetic material has been altered
 anthropogenically by means of
 gene or cell technologies

UF: GMOs

 Transgenic organisms

RT: Biotechnology

 Genetics

 Microinjection

Genetics

UF: Heredity

BT: Biology

NT: Cytogenetics

 Mutagenesis

 Population genetics

RT: Biological speciation

 Breeding

 Clones

 DNA fingerprinting

 Evolution

 Gene banks

 Gene libraries

 Genecology

 Genes

 Genetic abnormalities

 Genetic distance

 Genetic markers

Genetic techniques

Genetically modified organisms

Genomes

Genotypes

Genotyping

Hybridization

Hybrids

Morphogenesis

Mutagens

Mutations

Nucleic acids

Plasmids

Ploidy

Polyploids

Protein sequencing

Racial studies

RNA sequencing

Selective breeding

Sequencing

Sibling species

Genets

SN: Group of genetically identical
 individuals, such as plants,
 fungi, or bacteria, that have
 grown in a given location, all
 originating vegetatively, not
 sexually, from a single ancestor

BT: Offspring

NT: Ramets

Genom

USE: **Genomes**

Genomes

UF: Genetic factors

 Genom

RT: Chromosomes

 DNA replication

 Gene pool

 Genetics

 Genotypes

 Haploids

 Karyotypes

 Microsatellites

 Nuclei

 RNA replication

 Sexual cells

Genomic libraries

USE: **Gene libraries**

Genotypes

SN: An organism's complete
 heritable genetic identity; its'
 unique genome that would be
 revealed by genome sequencing

RT: Biological traits

 DNA fingerprinting

 Genes

 Genetics

 Genomes

 Genotyping

 Hybridization

 Karyotypes

 Mutations

 Phenotypes

- Subpopulations
Typology
- Genotyping**
SN: Methods used to determine individuals' specific ALLELES or SNPS (single nucleotide polymorphisms)
RT: Genes
Genetic techniques
Genetics
Genotypes
Methodology
- Geochemical cycle**
BT: Chemical cycles
NT: Biogeochemical cycle
RT: Geochemistry
- Geochemical surveys**
BT: Surveys
RT: Geochemistry
- Geochemistry**
UF: Environmental chemistry
BT: Chemistry
NT: Biogeochemistry
Sediment chemistry
RT: Atmosphere evolution
Geochemical cycle
Geochemical surveys
Geological institutions
Geology
Geophysics
Hydrology
Mineralogy
Petrology
Seawater evolution
- Geochronology
USE: **Geochronometry**
- Geochronometry**
SN: Measurement of geologic time. Before 1982 search also GEOCHRONOLOGY and RADIOACTIVE DATING
UF: Age determination (earth sciences)
Dating (earth sciences)
Geochronology
BT: Measurement
NT: Radiometric dating
RT: Age
Chronometers
Geological time
Stratigraphic correlation
Stratigraphy
- Geoclines**
BT: Clines
RT: Geographical distribution
- Geodesy**
UF: Earth measurement
BT: Geophysics
NT: Coastal geodesy
- Marine geodesy
RT: Datum levels
Earth tides
Geodetic coordinates
Geoid
Horizon
Isostasy
Levelling
Mean sea level
Plumbline deflection
- Geodetic coordinates**
RT: Coordinate systems
Geodesy
Geographical coordinates
- Geodynamics
USE: **Tectonophysics**
- Geographic information systems
USE: **GIS**
- Geographical coordinates**
NT: Latitude
Longitude
RT: Cartography
Coordinate systems
Geodetic coordinates
Geographical reference systems
Map projections
Marsden squares
Plotting
Position fixing
- Geographical distribution**
SN: Distributional studies of organisms and abiotic factors in aquatic environment
UF: Spatial distribution
BT: Distribution
NT: Differential distribution
Horizontal distribution
Meridional distribution
Vertical distribution
Zonal distribution
RT: Allopatric populations
Biological charts
Cosmopolite species
Ecological distribution
Endemic species
Endemism
Geoclines
Geographical isolation
Migrations
Quantitative distribution
Relict species
Sediment distribution
Sympatric populations
World
- Geographical exploration**
SN: Geographical discovery - history
BT: Exploration
RT: Polar exploration
Underwater exploration
- Geographical isolation**
UF: Isolation (geographical)
Spatial isolation
BT: Isolating mechanisms
RT: Geographical distribution
- Geographical reference systems**
NT: Marsden squares
RT: Geographical coordinates
- Geography**
NT: Biogeography
Palaeogeography
RT: Cartography
Climatology
Geomorphology
Mapping
- Geohydrology**
SN: The study of water that is below the earth's surface. Before 2016 search HYDROLOGY
UF: Hydrogeology
BT: Hydrology
RT: Aquifers
Ground water
Karst hydrology
- Geoid**
RT: Earth
Geodesy
Geoid anomalies
Levelling
Mean sea level
Micropalaeontology
Satellite altimetry
Surface topography
- Geoid anomalies**
BT: Anomalies
RT: Geoid
Gravity anomalies
Surface topography
- Geological ages
USE: **Geological time**
- Geological charts
USE: **Geological maps**
- Geological collections**
SN: Collections in museums, data banks etc.
BT: Collections
RT: Geological samples
- Geological column
USE: **Geological time**
- Geological correlation**
BT: Correlation
NT: Stratigraphic correlation
- Geological data**
BT: Data
RT: Bathymetric data

Geological deposition
USE: **Sedimentation**

Geological distribution

SN: Distribution of biota through geological time
BT: Distribution
RT: Geological maps
Geological surveys

Geological domes
USE: **Structural domes**

Geological equipment

BT: Equipment
NT: Vane devices
RT: Geophysical equipment
Penetrometers
Sediment samplers
Sediment traps
Stratigraphic traps

Geological exploration
USE: **Geological surveys**

Geological faults
USE: **Faults**

Geological hazards

BT: Hazards
NT: Earthquakes
Landslides
Volcanic eruptions
RT: Floods
Ground motion
Settlement (structural)
Slumping

Geological history

UF: History (geological)
RT: Geological time
Geology

Geological institutions

UF: Geophysical institutions
BT: Research institutions
RT: Geochemistry
Geology
Geophysics

Geological long range inclined asdic
USE: **Gloria**

Geological mapping
USE: **Geological surveys**

Geological maps

SN: Before 1982 search
GEOLOGICAL CHARTS
UF: Geological charts
Geophysical charts
Geophysical maps
BT: Maps
NT: Gravity charts
Isopach maps
Magnetic charts

RT: Bathymetric charts
Geological distribution
Geological sections
Geological surveys
Oceanographic atlases
Sediment distribution
Topographic maps

Geological oceanography
USE: **Marine geology**

Geological record
USE: **Geological time**

Geological samples

BT: Samples
NT: Mineral samples
Sediment samples
RT: Geological collections
Geological surveys

Geological sections

BT: Vertical sections
RT: Echosounder profiles
Geological maps
Seismic profiles

Geological structures

NT: Faults
Folds
Graben
RT: Sedimentary structures
Structural geology

Geological surveys

UF: Geological exploration
Geological mapping
BT: Surveys
NT: Geophysical surveys
RT: Geological distribution
Geological maps
Geological samples
Oceanographic surveys
Seafloor mapping
Seafloor sampling
Seismic exploration
Site surveys

Geological systems
USE: **Geological time**

Geological time

UF: Geological ages
Geological column
Geological record
Geological systems
Geological time divisions
Geological time scale
Stratigraphic systems
NT: Cenozoic
Mesozoic
Palaeozoic
Phanerozoic
Precambrian
RT: Geochronometry
Geological history
Radiometric dating

Stratigraphy
Temporal distribution

Geological time divisions
USE: **Geological time**

Geological time scale
USE: **Geological time**

Geologists

BT: Scientific personnel
RT: Geology

Geology

BT: Earth sciences
NT: Geomorphology
Glacial geology
Hydrology
Lithology
Marine geology
Petroleum geology
Petrology
Sedimentology
Stratigraphy
Structural geology
Tectonics
RT: Geochemistry
Geological history
Geological institutions
Geologists
Geophysics
Hydrogeomorphology
Mineralogy
Palaeontology
Palynology

Geomagnetic electrokinetograph
USE: **GEM**

Geomagnetic field

UF: Earth magnetic field
Magnetic field (earth)
BT: Magnetic fields
RT: Aeromagnetic surveys
Geomagnetism
Magnetic anomalies
Magnetic field elements
Magnetic reversals
Magnetic susceptibility
Magnetotelluric methods
Pole positions
Remanent magnetization
Telluric currents

Geomagnetic reversals
USE: **Magnetic reversals**

Geomagnetic surveys
USE: **Magnetic exploration**

Geomagnetism

UF: Earth magnetism
Terrestrial magnetism
BT: Geophysics
Magnetism
RT: Geomagnetic field
Magnetometers

- Magnetotelluric methods
- Palaeomagnetism
- Geomorphology**
 - UF: Physiography
 - BT: Geology
 - NT: Coastal morphology
 - Fluvial morphology
 - Hydrogeomorphology
 - Lake morphology
 - RT: Geography
 - Glacial geology
 - Hydrology
 - Palaeoclimatology
 - Sedimentology
 - Seismology
 - Spelaeology
 - Topographic features
- Geophones
- USE: **Seismometers**
- Geophysical charts
- USE: **Geological maps**
- Geophysical data**
 - BT: Data
 - NT: Geothermal data
 - Gravity data
 - Magnetic data
 - Seismic data
 - RT: Geophysical exploration
 - Geophysical surveys
 - Geophysics
- Geophysical equipment**
 - BT: Equipment
 - NT: Geothermal equipment
 - Seismic equipment
 - RT: Geological equipment
 - Geophysical exploration
 - Geophysical surveys
 - Geophysics
 - Gravity meters
 - Magnetometers
 - Oceanographic equipment
 - Tiltmeters
- Geophysical exploration**
 - UF: Geophysical methods
 - BT: Exploration
 - NT: Electrical exploration
 - Electromagnetic exploration
 - Geothermal exploration
 - Gravity exploration
 - Magnetic exploration
 - Mineral exploration
 - Oil and gas exploration
 - Seismic exploration
 - RT: Geophysical data
 - Geophysical equipment
 - Geophysical surveys
 - Geophysics
- Geophysical institutions
- USE: **Geological institutions**
- Geophysical maps
- USE: **Geological maps**
- Geophysical methods
- USE: **Geophysical exploration**
- Geophysical surveys**
 - SN: Used for surveys of specific regions using geophysical methods
 - BT: Geological surveys
 - NT: Gravity surveys
 - RT: Geophysical data
 - Geophysical equipment
 - Geophysical exploration
 - Geophysics
 - Site surveys
- Geophysics**
 - BT: Earth sciences
 - NT: Geodesy
 - Geomagnetism
 - Palaeomagnetism
 - Seismology
 - Tectonophysics
 - RT: Geochemistry
 - Geological institutions
 - Geology
 - Geophysical data
 - Geophysical equipment
 - Geophysical exploration
 - Geophysical surveys
- Geopotential
- USE: **Dynamic height**
- Geopotential anomaly
- USE: **Dynamic height anomaly**
- Geopotential topography
- USE: **Dynamic topography**
- Geosensing**
 - SN: Use for remote sensing of earth surface from space. Before 1986 search also REMOTE SENSING
 - UF: Earth remote sensing
 - Remote sensing (earth)
 - Teledetection
 - BT: Remote sensing
 - NT: Airborne sensing
 - Satellite sensing
 - RT: Electromagnetic radiation
 - Scientific satellites
- Geostatistics**
 - SN: A branch of statistics used for modelling spatial or spatiotemporal data
 - BT: Statistics
 - RT: GIS
 - Hydrology
 - Mineral exploration
 - Modelling
 - Oil reserves
 - Oil reservoirs
- Petroleum geology
- Remote sensing
- Resource exploration
- Simulation
- Spatial analysis
- Geostrophic currents
- USE: **Geostrophic flow**
- Geostrophic equilibrium**
 - BT: Equilibrium
 - RT: Coriolis force
 - Geostrophic flow
 - Stream functions
- Geostrophic flow**
 - SN: Before 1982 search
 - GEOSTROPHIC CURRENTS
 - UF: Geostrophic currents
 - BT: Fluid flow
 - NT: Quasi-geostrophic motion
 - RT: Ageostrophic flow
 - Coriolis force
 - Density field
 - Density stratification
 - Dynamic topography
 - Geostrophic equilibrium
 - Geostrophic method
 - Geostrophic transport
 - Geostrophy
 - Level of no motion
 - Surface slope
- Geostrophic flow calculation
- USE: **Geostrophic method**
- Geostrophic method**
 - UF: Geostrophic flow calculation
 - RT: Density field
 - Dynamic topography
 - Geostrophic flow
 - Level of no motion
- Geostrophic transport**
 - UF: Geostrophic volume transport
 - RT: Geostrophic flow
- Geostrophic volume transport
- USE: **Geostrophic transport**
- Geostrophic winds**
 - BT: Winds
 - RT: Gradient currents
- Geostrophy**
 - RT: Ageostrophic flow
 - Geostrophic flow
- Geosynclines**
 - BT: Folds
 - RT: Orogeny
 - Synclines
- Geotechnical data**
 - SN: Data on engineering properties of sediments and rocks

- BT: Data
RT: Geotechnology
- Geotechnical properties
USE: **Sediment properties**
- Geotechnics
USE: **Geotechnology**
- Geotechnology**
SN: Before 1986 search also SOIL MECHANICS
UF: Geotechnics
BT: Technology
RT: Coastal engineering
Geotechnical data
Offshore engineering
Soil mechanics
Structural engineering
- Geotectonics
USE: **Tectonics**
- Geothermal alteration
USE: **Hydrothermal alteration**
- Geothermal data**
BT: Geophysical data
RT: Geothermal exploration
- Geothermal energy**
BT: Energy
RT: Geothermal power
Hot springs
Hydrothermal activity
- Geothermal equipment**
BT: Geophysical equipment
NT: Heat probes
- Geothermal exploration**
BT: Geophysical exploration
RT: Geothermal data
- Geothermal fields**
USE: Hydrothermal fields
- Geothermal fluids
USE: **Hydrothermal solutions**
- Geothermal gradient**
BT: Temperature gradients
RT: Thermal conductivity
- Geothermal measurement**
UF: Sediment temperature measurement
BT: Temperature measurement
RT: Heat probes
Sediment temperature
- Geothermal power**
SN: Geothermal energy as a source of power
UF: Hydrothermal energy
BT: Energy resources
Thermal power
- RT: Geothermal energy
Green energy
Power from the sea
Renewable resources
- Geothermal properties**
BT: Physical properties
RT: Geothermal springs
- Geothermal springs**
SN: Before 1982 search THERMAL SPRINGS
UF: Thermal springs (geothermal)
BT: Water springs
NT: Hydrothermal springs
RT: Geothermal properties
Water temperature
- Geotropism**
BT: Tropism
RT: Gravity
Gravity effects
- GER
USE: **Production cost**
- Germanium**
BT: Nonmetals
RT: Germanium compounds
Germanium isotopes
- Germanium compounds**
BT: Chemical compounds
RT: Germanium
- Germanium isotopes**
BT: Isotopes
RT: Germanium
- Germinal cells
USE: **Gametes**
- Germination**
RT: Seeds
Spores
- Gestation
USE: **Pregnancy**
- Geysers
USE: **Hot springs**
- Giant waves**
BT: Water waves
RT: Wave-current interaction
Wave height
- Gibberellins
USE: **Phytohormones**
- Gibbing
USE: **Gutting**
- Gibbsite**
BT: Oxide minerals
- Gill arches
- USE: **Gills**
- Gill disease**
UF: Bacterial gill disease
Fungal gill disease
BT: Fish diseases
RT: Bacterial diseases
Fungal diseases
Gills
- Gill rakers
USE: **Gills**
- Gillnets**
UF: Drift nets
Enmeshing nets
Set nets
Tangle nets
BT: Fishing nets
RT: Entangling nets
Gillnetters
- Gillnetters**
BT: Fishing vessels
RT: Gillnets
- Gillraker counts**
BT: Meristic counts
- Gills**
SN: Respiratory organs usually specialized for gaseous exchange in water. Before 1982 search RESPIRATORY ORGANS
UF: Gill arches
Gill rakers
BT: Respiratory organs
RT: Aerobic respiration
Gill disease
Mantle
Mantle cavity
- GIS**
UF: Geographic information systems
BT: Information systems
RT: Geostatistics
Spatial analysis
Spatial planning
- Glacial-marine sediments
USE: **Glacial deposits**
- Glacial deposition
USE: **Glacial sedimentation**
- Glacial deposits**
UF: Drift (sediments)
Glacial-marine sediments
Glacial drift
NT: Boulder clay
Glacial erratics
RT: Allochthonous deposits
Clastics
Glacial erosion
Glacial features

Glacial sedimentation
Glacial transport
Ice drift
Lake deposits
Moraines
Rafting
Terrigenous sediments
Varves

Glacial drift
USE: **Glacial deposits**

Glacial epoch
USE: **Pleistocene**

Glacial erosion
BT: Erosion
RT: Glacial deposits
Glacial features
Glacial lakes
Iceberg scouring
Ploughmarks

Glacial erratics
UF: Erratics
Ice-rafted detritus
BT: Glacial deposits
RT: Boulders
Ice ages
Ice rafting

Glacial features
NT: Moraines
RT: Deposition features
Eskers
Fjords
Glacial deposits
Glacial erosion
Glacial lakes
Glacial transport
Glaciers
Ploughmarks
Topographic features

Glacial geology
BT: Geology
RT: Geomorphology
Glaciers

Glacial lakes
SN: Lakes occupying basins
formed as a result of glaciation
UF: Kettle lakes
Tarns
BT: Lakes
RT: Glacial erosion
Glacial features
Glaciation
Strandlines

Glacial periods
USE: **Ice ages**

Glacial sedimentation
UF: Glacial deposition
BT: Sedimentation
RT: Glacial deposits

Glaciers
Sedimentary environments

Glacial transport
BT: Sediment transport
RT: Glacial deposits
Glacial features
Glaciers
Ice rafting

Glaciation
RT: Climatic changes
Deglaciation
Glacial lakes
Glaciers
Ice ages
Regressions

Glacier ice
USE: **Glaciers**

Glaciers
SN: Glaciers and their influence
on aquatic environment
UF: Glacier ice
BT: Ice
RT: Ablation
Cryosphere
Freshwater ice
Glacial features
Glacial geology
Glacial sedimentation
Glacial transport
Glaciation
Ice volume
Icebergs
Water resources

Glands
BT: Secretory organs
NT: Endocrine glands
Exocrine glands
RT: Metabolism

Glass
NT: Obsidian
RT: Fibre glass
Palagonite
Volcanic glass

Glass-reinforced plastics
BT: Plastics
RT: Fibre glass

Glaucinite
BT: Micas

Glitter
RT: Light reflection
Reflectance

Global positioning systems
SN: A low cost system for finding
three dimensional coordinates
on the earth using satellites
UF: GPS
BT: Positioning systems

Global radiation
USE: **Solar radiation**

Global tectonics
USE: **Plate tectonics**

Global warming
SN: An increase in the near
surface temperature of the Earth.
This may be a result of natural
influences or increased
emissions of greenhouse gases
due to human activities.
BT: Climatic changes
RT: Greenhouse effect

Globalisation
USE: **Globalization**

Globalization
SN: An umbrella term (having
both positive and negative
connotations) as regards the
growing economic
interdependence of countries
worldwide through increasing
volume and variety of cross-
border transactions in goods
and services, free international
capital flows, and more rapid
and widespread diffusion of
technology.
UF: Globalisation
BT: Economics
RT: Environmental impact
Marketing
Pricing
Socioeconomic aspects
Trade

Globigerina ooze
USE: **Foraminiferal ooze**

Globulins
SN: Before 1982 search
PROTEINS
UF: Gammaglobulins
Serum globulins
BT: Proteins

Glochidia
SN: A parasitic larval stage of
some freshwater mussels in the
families Unionidae and
Margaritiferidae
BT: Molluscan larvae
RT: Freshwater molluscs
Life cycle
Parasites
Parasitism

Gloria
SN: The GLORIA sidescan sonar
is a system for determining the
topography of the ocean floor

ASFA THESAURUS

UF: Geological long range inclined asdic BT: Sonar RT: Side scan sonar Sonographs	RT: Gold compounds Placers	Government policy USE: Policies
Glossaries UF: Dictionaries Lexicons BT: Documents RT: Terminology	Gold compounds BT: Chemical compounds RT: Gold	Governments UF: Federal governments State governments RT: Countries Governance Policies Political aspects Public sector
Glucosamine BT: Hexosamines RT: Chitin	Golgi apparatus UF: Golgi bodies Golgi complex BT: Cell organelles RT: Cytoplasm	GPS USE: Global positioning systems
Glucose BT: Monosaccharides RT: Aldehydes	Golgi bodies USE: Golgi apparatus	Graben SN: Structural rock feature downthrown between two parallel faults relative to the surrounding area BT: Geological structures RT: Faults Rift valleys
Glutamic acid BT: Amino acids	Golgi complex USE: Golgi apparatus	Grabs BT: Sediment samplers
Glutathione USE: Coenzymes	Gonad hormones USE: Sex hormones	Grades USE: Quality
Glycerol BT: Alcohols	Gonadosomatic index SN: The relationship of gonad weight to total body weight, or total body weight to gonad weight. It is used to measure sexual maturity in relation to the sexual development of gonads BT: Population factors RT: Aquaculture Fecundity Gonads Induced breeding Ovaries Sexual maturity Testes	Gradient currents BT: Water currents RT: Geostrophic winds
Glycine BT: Amino acids	Gonads SN: Before 1995 search ANIMAL REPRODUCTIVE ORGANS BT: Animal reproductive organs Endocrine glands NT: Ovaries Testes RT: Gonadosomatic index	Gradients NT: Density gradients Pollution gradients Salinity gradients Velocity gradients RT: Profiles Slopes (topography) White water river recreation
Glycogen BT: Carbohydrates RT: Liver Muscles	Gonadotropic hormones USE: Sex hormones	Grading (biological) USE: Biological grading
Glycolic acid BT: Organic acids	Gonads SN: Before 1995 search ANIMAL REPRODUCTIVE ORGANS BT: Animal reproductive organs Endocrine glands NT: Ovaries Testes RT: Gonadosomatic index	Grading (equipment) USE: Grading equipment
Glycolipids USE: Complex lipids	Goods USE: Products	Grading devices USE: Grading equipment
Glycoproteins SN: Before 1982 search PROTEINS BT: Proteins RT: Antigens Hormones	Governance SN: The activity or process of governing; a condition of ordered rule; those people charged with the duty of governing; or the manner /method / system by which a particular society is governed RT: Governments Management Planning Policies Stewardship	Grading equipment SN: Before 2016 search GRADING UF: Grading (equipment) Grading devices BT: Equipment
Glycosides BT: Carbohydrates NT: Pigments Porphyrins Saponins RT: Bioactive compounds		Grafting SN: Transplantation, implantation or removal of tissue or organs RT: Histology Tissues
GMOs USE: Genetically modified organisms		Grafts USE: Transplants
Goethite BT: Oxide minerals		
Gold BT: Heavy metals Transition elements		

Grain flow

BT: Sediment gravity flows
RT: Cohesionless sediments
Fluidization
Liquefied sediment flow

Grain motion

USE: **Particle motion**

Grain orientation

BT: Orientation
RT: Grain properties
Sediment texture

Grain packing

RT: Grain properties
Sediment texture

Grain properties

BT: Sediment properties
RT: Grain orientation
Grain packing
Grain shape
Grain size

Grain shape

BT: Shape
RT: Grain properties
Sediment texture

Grain size

UF: Grain size distribution
Sediment size
BT: Size
RT: Grain properties
Granulometry
Permeability
Porosity
Sediment sorting
Sediment texture
Wet bulk density

Grain size distribution

USE: **Grain size**

Gramophone records

USE: **Audio recordings**

Granite

BT: Igneous rocks
RT: Quarries

Granitic layer

USE: **Sial**

Grants

NT: Subsidies
RT: Fellowships
Financing
Research programmes

Granuloma

USE: **Granulomas**

Granulomas

SN: A granuloma is a compact

(organized) collection of mature mononuclear phagocytes. It is a non-specific type of inflammatory response which may be triggered by diverse antigenic agents or by inert foreign materials

UF: Granuloma

Granulomata

BT: Animal diseases

RT: Defence mechanisms

Fish diseases

Phagocytosis

Granulomata

USE: **Granulomas**

Granulometry

BT: Measurement

RT: Grain size

Graphic data presentations

USE: **Graphics**

Graphic methods

NT: Graphical analysis

RT: Graphics

Methodology

Graphical analysis

SN: Before 1982 search

GRAPHIC METHODS

BT: Graphic methods

RT: Statistical analysis

Statistical tables

Graphics

UF: Data presentation (graphics)

Graphic data presentations

BT: Audiovisual materials

NT: Engineering drawings

Graphs

Illustrations

Map graphics

Maps

RT: Graphic methods

Slides (photographic)

Graphite

BT: Minerals

RT: Diamonds

Graphs

UF: Curves (graphs)

BT: Graphics

NT: Growth curves

Hodographs

Hypsometric curves

T-S diagrams

Wave refraction diagrams

RT: Flood hydrographs

Isopleths

Profiles

Grappling gear

UF: Rakes

BT: Fishing gear

Gravel

BT: Clastics

RT: Aggregates

Cohesionless sediments

Sand

Sediment load

Sediment texture

Soils

Gravel pits

USE: **Pits**

Gravel waves

BT: Bed forms

RT: Transverse bed forms

Gravimeters

USE: **Gravity meters**

Gravimetric techniques

BT: Analytical techniques

RT: Density

Particle concentration

Sediment analysis

Gravimetry

BT: Measurement

RT: Gravity

Gravity exploration

Gravity meters

Gravity surveys

Gravitation

RT: Forces

Gravity

Gravity meters

Gravitational field

USE: **Gravity field**

Gravity

BT: Forces (mechanics)

RT: Geotropism

Gravimetry

Gravitation

Gravity anomalies

Gravity effects

Gravity field

Gravity waves

Plumbline deflection

Weight

Gravity anomalies

BT: Anomalies

NT: Bouguer anomalies

Free air anomalies

RT: Geoid anomalies

Gravity

Gravity charts

Gravity data

Gravity exploration

Gravity field

Magnetic anomalies

Gravity anomaly charts

USE: **Gravity charts**

Gravity charts

UF: Gravity anomaly charts
BT: Geological maps
NT: Bouguer gravity charts
Free air gravity charts
RT: Gravity anomalies
Gravity exploration

Gravity corers

BT: Corers

Gravity corrections

UF: Bouguer correction
Eotvos correction
Free air correction
Latitude correction
BT: Corrections
RT: Gravity exploration
Gravity surveys

Gravity data

BT: Geophysical data
RT: Gravity anomalies
Gravity exploration

Gravity effects

BT: Environmental effects
RT: Geotropism
Gravity

Gravity exploration

UF: Gravity methods
BT: Geophysical exploration
RT: Coast effect
Gravimetry
Gravity anomalies
Gravity charts
Gravity corrections
Gravity data

Gravity field

SN: Before 1982 search also
GRAVITATIONAL FIELD
UF: Gravitational field
BT: Fields
RT: Gravity
Gravity anomalies

Gravity induced flow

USE: **Density flow**

Gravity meters

UF: Gravimeters
BT: Measuring devices
RT: Accelerometers
Geophysical equipment
Gravimetry
Gravitation

Gravity methods

USE: **Gravity exploration**

Gravity platforms

BT: Fixed platforms

Gravity surveys

BT: Geophysical surveys
RT: Gravimetry
Gravity corrections

Gravity waves

BT: Water waves
RT: Capillary waves
Gravity

Graywacke

RT: Arenites
Sandstone
Sedimentary rocks

Grazing

BT: Feeding behaviour
RT: Food chains
Food preferences
Foraging behaviour
Herbivores

Green's function

RT: Mathematical analysis

Green energy

SN: Renewable energy sources, implying sustainability and causing little or no harm to human health or the environment. Use of a more specific terms is recommended
RT: Energy resources
Fossil fuels
Geothermal power
Hydroelectric power
Kinetic energy
Nuclear energy
Oil reserves
Potential energy
Power from the sea
Renewable resources
Solar power
Tidal energy
Wave energy
Wind farms
Wind power

Green tourism

USE: **Ecotourism**

Greenhouse effect

RT: Carbon dioxide
Climatic changes
Earth atmosphere
Global warming
Heat budget
Terrestrial radiation
Water vapour

Greenschist facies

BT: Metamorphic facies
RT: Greenschists

Greenschists

BT: Schists
RT: Greenschist facies

Greigite

BT: Sulphide minerals

Groins

USE: **Groynes**

Gross energy requirement

USE: **Production cost**

Ground fish

USE: **Demersal fish**

Ground motion

BT: Motion
RT: Earthquake loading
Earthquakes
Geological hazards
Seismic activity
Seismology
Surface seismic waves

Ground swell

USE: **Swell**

Ground water

UF: Phreatic water
Underground water
BT: Water
RT: Aquifers
Coastal aquifers
Geohydrology
Groundwater pollution
Groundwater recharge
Hyporheic zone
Karst
Karst hydrology
Percolation
Saline intrusion
Spring streams
Water resources
Water table
Watersheds

Groundfish

USE: **Demersal fish**

Groundings

BT: Marine accidents
RT: Keel clearance
Navigational safety
Ship losses
Shoals

Groundwater pollution

BT: Water pollution
RT: Coastal aquifers
Faecal pollution
Freshwater pollution
Ground water
Marine pollution
Sediment pollution

Groundwater recharge

SN: A hydrological process where water moves downward from surface water to groundwater.

Recharge is the primary method that water enters an aquifer
RT: Aquifers
Ground water
Surface water

Groundwater reservoirs
USE: **Aquifers**

Group effects
SN: Collective sensorial or chemical stimulation within organisms
BT: Environmental effects
RT: Biotic factors
Growth regulators
Social behaviour

Group velocity
BT: Velocity
RT: Phase velocity
Water waves
Wave dispersion
Wave groups
Wave velocity

Grouper culture
SN: Before 2016 search FISH CULTURE + species name
BT: Fish culture

Grouper fisheries
USE: **Percoid fisheries**

Grouting
RT: Civil engineering
Dams
Hydraulic engineering
Pond construction

Grow-out
USE: **Growing ponds**

Growing ponds
UF: Fattening ponds
Grow-out
Growout ponds
BT: Fish ponds
NT: Nursery ponds

Growout ponds
USE: **Growing ponds**

Growth
BT: Population functions
NT: Animal growth
Plant growth
RT: Age determination
Biological age
Biological aging
Biological development
Condition factor
Developmental stages
Diapause
Growth curves
Growth rate
Growth regulators

Metabolism
Proliferation
Regeneration
Stunting

Growth curves
UF: Age length relationships
BT: Graphs
RT: Growth
Length-weight relationships
Population dynamics

Growth rate
RT: Growth

Growth regulators
SN: Chemical and biochemical products affecting growth of organisms
UF: Promoters (growth)
Stimulants (growth)
NT: Auxins
RT: Group effects
Growth
Hormones
Inhibitors
Vitamins

Growth rings
UF: Annuli
RT: Plant growth

Groynes
UF: Groins
BT: Coast defences
RT: Beach erosion

Guano
BT: Animal products
Organic fertilizers
RT: Guano birds
Manure
Phosphate deposits

Guano birds
BT: Marine birds
RT: Guano

Guide lines
BT: Cables
RT: Underwater structures
Wire rope

Guidebooks
USE: **Manuals**

Guidelines
BT: Documents
RT: Evaluation
Legislation
Manuals
Performance assessment
Planning
Quality
Specifications
Standards

Guiding (organisms)
USE: **Guiding devices**

Guiding devices
UF: Guiding (organisms)
Organism guiding
NT: Electric fences
Fishways

Gulf stream rings
USE: **Current rings**

Gustation
USE: **Taste**

Gusts
BT: Atmospheric turbulence
RT: Gale force winds
Squalls
Wind speed
Winds

Gutting
SN: Removal of gut from fish
UF: Evisceration
Gibbing
Nobbing
BT: Dressing
RT: Fish fillets

Guyed towers
UF: Compliant platforms
Compliant towers
BT: Fixed platforms
RT: Piled platforms

Guyots
SN: Flat topped seamounts
UF: Tablemounts
BT: Seamounts

Gynogenesis
SN: The development of ova triggered by sperm but without paternal genetic contribution
BT: Sexual reproduction
RT: Aquaculture techniques
Eggs
Parthenogenesis
Selective breeding
Sperm

Gypsum
BT: Sulphate minerals
RT: Authigenic minerals
Evaporites
Polyhalite
Sedimentary rocks

Gyres
UF: Anticyclonic gyres
Subtropical gyres
BT: Ocean circulation
RT: Oceanic deserts
Subtropical convergences
Water circulation

Gyrocompasses

BT: Compasses

Gyroscopes

UF: Precision gyroscopes

BT: Instruments

Gyroscopic waves

USE: **Inertial waves**

Habitat

SN: A specific place with its environmental conditions occupied by an organism, a population or a community

UF: Aquatic habitat

Habitat (natural)

Natural habitat

NT: Biotopes

Exposed habitats

Hard bottom habitats

Microhabitats

Sheltered habitats

Soft bottom habitats

Underwater habitats

RT: Aquatic communities

Aquatic environment

Biocenosis

Biota

Carrying capacity

Ecological associations

Ecological succession

Ecotypes

Habitat improvement

Habitat selection

Home range

Niches

Habitat (natural)

USE: **Habitat**

Habitat degradation

USE: **Environmental degradation**

Habitat diversity

USE: **Biodiversity**

Habitat improvement

SN: Man-made changes in aquatic natural habitat mainly for aquaculture purposes

NT: Habitat improvement (biological)

Habitat improvement (chemical)

Habitat improvement (fertilization)

Habitat improvement (physical)

RT: Aquaculture techniques

Habitat

Habitat improvement (biological)

SN: Improvement of habitat by increasing food organisms and/or introduction of forage by man

BT: Habitat improvement

RT: Biomanipulation

Habitat improvement (chemical)

SN: Chemical improvement of the water properties by pH adjustment, and/or by reducing unfavourable elements

BT: Habitat improvement

RT: Artificial aeration

Habitat improvement

(fertilization)

Habitat improvement (fertilization)

SN: Habitat improvement by fertilizers or other elements

BT: Habitat improvement

RT: Fertilizers

Habitat improvement (chemical)

Habitat improvement (physical)

SN: Change of water depth, volume, flow by construction of dams, ripple, removal of rubble and other hydraulic techniques

BT: Habitat improvement

RT: Artificial reefs

Fishways

Shelters

Habitat loss

SN: Destruction of the environment in which an organism lives resulting in the destruction or displacement of the organism.

UF: Habitat reduction

BT: Environmental degradation

RT: Biodiversity

Rare species

Habitat reduction

USE: **Habitat loss**

Habitat selection

RT: Colonization

Environmental factors

Habitat

Habitat types

USE: **Ecotypes**

Habitats (artificial)

USE: **Underwater habitats**

HACCP

SN: The Hazard Analysis and Critical Control Point (HACCP) system, adopted by the Codex Alimentarius Commission, identifies specific hazards and measures for their control to ensure the safety of food.)

UF: Hazard analysis and critical control point

BT: Quality control

RT: Food safety

Haddock fisheries

USE: **Gadoid fisheries**

Haemagglutinins

USE: **Agglutinins**

Haematite

UF: Hematite

BT: Oxide minerals

RT: Iron oxides

Haematoblasts

USE: **Blood cells**

Haematological diseases

SN: Before 1982 search

HAEMATOLOGY

UF: Blood diseases

Hematological diseases

Hemic diseases

BT: Diseases

NT: Anaemia

RT: Haematology

Septicaemia

Haematology

UF: Blood chemistry

Hematology

BT: Biology

RT: Blood

Blood groups

Erythropoiesis

Haematological diseases

Haemopoiesis

Serological studies

Serum

Haematopoiesis

USE: **Haemopoiesis**

Haemocyanins

UF: Hemocyanins

BT: Respiratory pigments

RT: Anaemia

Blood

Copper

Proteins

Haemoglobins

UF: Hemoglobins

BT: Respiratory pigments

RT: Anaemia

Blood cells

Chelates

Haemolymph

BT: Body fluids

RT: Body cavities

Leukocytes

Haemopoiesis

SN: Formation of blood or blood cells

UF: Haematopoiesis

Hematopoiesis
Hemopoiesis
RT: Blood cells
Erythropoiesis
Haematology

Haemorrhage

UF: Hemorrhage
BT: Symptoms
RT: Blood vessels
Diseases

Haff

USE: **Coastal lagoons**

Hafnium

BT: Heavy metals
RT: Hafnium isotopes

Hafnium isotopes

BT: Isotopes
RT: Hafnium

Hagermon redmouth

USE: **Redmouth disease**

Hail

UF: Hailstones
BT: Atmospheric precipitations
RT: Rain
Rainfall
Snow

Hailstones

USE: **Hail**

Hair

UF: Fur
Pelage
RT: Setae

Hake fisheries

USE: **Gadoid fisheries**

Half life (biological)

USE: **Biological half life**

Half life (effective)

USE: **Biological half life**

Half tide level

USE: **Sea level**

Halibut fisheries

USE: **Flatfish fisheries**

Halide minerals

BT: Minerals
NT: Carnallite
Fluorite
Halite

Halides

BT: Halogen compounds
RT: Bromides
Chlorides
Fluorides

Iodides

Haline circulation

BT: Thermohaline circulation

Halite

BT: Halide minerals
RT: Authigenic minerals
Evaporites

Halocline

BT: Discontinuity layers
RT: Clines
Isohalines
Salinity
Salinity stratification
Salt-wedge estuaries

Halogen compounds

BT: Chemical compounds
NT: Bromine compounds
Chlorine compounds
Fluorine compounds
Halides
Iodine compounds
RT: Halogenated hydrocarbons
Organic compounds
Salts

Halogenated hydrocarbons

BT: Hydrocarbons
NT: Brominated hydrocarbons
Chlorinated hydrocarbons
Fluorinated hydrocarbons
RT: Halogen compounds

Halogenation

BT: Chemical reactions
NT: Chlorination
RT: Halogens

Halogens

BT: Nonmetals
NT: Bromine
Chlorine
Fluorine
Iodine
RT: Halogenation

Halophilic plants

USE: **Halophytes**

Halophytes

UF: Halophilic plants
BT: Aquatic plants
RT: Euryhalinity
Mangroves
Salinity tolerance
Salt lakes
Salt marshes

Hand dredges

USE: **Dredges**

Hand lines

USE: **Lines**

Handbooks

USE: **Manuals**

Handling

NT: Fish handling
Ship handling
RT: Port operations

Handling equipment

USE: **Deck equipment**

Handlining

BT: Line fishing
RT: Artisanal fishing
Jigging

Hanging culture

USE: **Off-bottom culture**

Haploids

SN: An organism having a single set of unpaired chromosomes, as in a germ cell, such as an egg or sperm, or in a moss plant
UF: Haploidy
BT: Ploidy
RT: Chromosomes
Diploids
Gametophytes
Genomes
Polyploids

Haploidy

USE: **Haploids**

Harbor models

USE: **Harbour models**

Harbor regulations

USE: **Harbour regulations**

Harbors

USE: **Harbours**

Harbour installations

USE: **Port installations**

Harbour models

UF: Harbor models
BT: Hydraulic models
RT: Harbours

Harbour oscillations

UF: Range action
BT: Seiches

Harbour regulations

UF: Harbor regulations
BT: Navigation regulations
RT: Harbours

Harbour structures

USE: **Port installations**

Harbours

UF: Harbors
Ports

BT: Anchorages
 NT: Artificial harbours
 Ferry terminals
 Fishing harbours
 Military ports
 Naval bases
 Tanker terminals
 RT: Breakwaters
 Cargo handling
 Coastal structures
 Harbour models
 Harbour regulations
 Port installations
 Ship canals

Hard bottom habitats

BT: Habitat
 RT: Benthic environment
 Benthos
 Sediment properties
 Soft bottom habitats
 Substrata

Hard roe

USE: **Roes**

Hardness (water)

USE: **Water hardness**

Harmful microalgae

USE: **Dangerous organisms**

Harmonic analysis

BT: Functional analysis
 RT: Differential equations
 Fourier analysis
 Harmonic functions
 Tidal analysis
 Time series analysis
 Waveform analysis

Harmonic functions

RT: Harmonic analysis
 Laplace equation
 Poisson's equation
 Tidal constants
 Tidal constituents

Harmonic tidal constants

USE: **Tidal constants**

Harmonic tidal constituents

USE: **Tidal constituents**

Harpoons

USE: **Wounding gear**

Harvesting

SN: Harvesting methods for
 biological purposes
 NT: Seaweed harvesting
 RT: Harvesting machines

Harvesting equipment

USE: **Harvesting machines**

Harvesting machines

SN: Harvesting equipment for
 biological purposes only
 UF: Harvesting equipment
 BT: Fishing gear
 Machinery
 RT: Aquaculture equipment
 Fish pumps
 Harvesting

Hatcheries

BT: Aquaculture facilities
 RT: Bait culture
 Batch culture
 Culture tanks
 Fish ponds
 Hatching
 Incubation
 Iodophors
 Seed collection
 Seed production

Hatching

RT: Clutch
 Eggs
 Fry
 Hatcheries
 Incubation
 Incubators
 Nesting
 Rearing

Hazard analysis and critical control
 point

USE: **HACCP**

Hazard assessment

SN: Evaluation of hazards to
 aquatic life associated with the
 use of chemical substances
 UF: Hazard evaluation
 RT: Avalanches
 Environmental impact
 Hazardous materials
 Hazards
 Lethal limits
 Toxicity tests

Hazard evaluation

USE: **Hazard assessment**

Hazardous materials

UF: Dangerous materials
 BT: Materials
 NT: Biological poisons
 Chemical pollutants
 Explosives
 Radioactive wastes
 RT: Agricultural wastes
 Hazard assessment
 Hazards
 Industrial wastes
 Pesticides
 Toxicants
 Vessel wastes

Hazards

UF: Danger

NT: Diving hazards
 Fire hazards
 Geological hazards
 Navigational hazards
 Radiation hazards
 Weather hazards

RT: Accidents

Avalanches
 Damage
 Disasters
 Hazard assessment
 Hazardous materials
 Injuries
 Piracy
 Risks

Haze

UF: Atmospheric turbidity
 RT: Air pollution
 Atmospheric optical
 phenomena
 Dust
 Dust clouds
 Fog
 Turbidity
 Visibility

Head

UF: Animal head
 BT: Body regions
 RT: Brain
 Skull

Headed fish

USE: **Heading**

Heading

UF: Headed fish
 BT: Fish handling

Headlands

UF: Cuspate forelands
 Promontories
 BT: Coastal landforms
 RT: Beach features

Headstream

USE: **Headwaters**

Headwaters

SN: The source of a river; the
 marshland, spring or glacier that
 feeds the river's beginning. Also
 used for the farthest stream or
 tributary from a river's estuary
 or terminal feature
 UF: Headstream
 Source (river)
 BT: Inland waters
 RT: Fluvial morphology
 Rivers
 Tributaries
 Water resources
 Water springs

Health

USE: **Public health**

Health and safety

SN: Before 1986 search also

SAFETY

UF: Protection (human)

Safety

NT: Accident prevention

Consumer protection

Maritime safety

Medicine

Public health

Radiation protection

RT: Cargo handling

Food-chain approach

Food safety

Piracy

Port operations

Product labelling

Protocols

Safety devices

Safety regulations

Heart

BT: Circulatory system

RT: Blood circulation

Blood vessels

Heat

BT: Energy

NT: Sensible heat

Waste heat

RT: Conservation of heat

Heat balance

Heat budget

Heat transfer

Heating

Temperature

Thermal pollution

Thermal radiation

Thermodynamic properties

Thermodynamics

Heat advection

USE: **Heat transport**

Heat affected zones

RT: Welding

Heat balance

SN: Restricted to heat balance studies of organisms

UF: Heat gain (organisms)

Heat loss (organisms)

RT: Aestivation

Body temperature

Heat

Heat transfer

Heat budget

SN: Use only for heat budget of water bodies and atmosphere.

For studies in organisms use

HEAT BALANCE

UF: Heat gain (water bodies)

Heat loss (water bodies)

BT: Energy budget

RT: Bowen ratio

Earth atmosphere

Evaporation

Greenhouse effect

Heat

Heat content

Heat exchange

Heat flow

Heat storage

Heat transport

Radiation balance

Temperature

Thermal stratification

Water budget

Water column

Heat capacity

USE: **Specific heat**

Heat conduction

UF: Conduction (heat)

Conductive heat transfer

Molecular heat conduction

BT: Heat transfer

RT: Eddy conduction

Heat flow

Sensible heat

Thermal conductivity

Heat content

RT: Heat budget

Water temperature

Heat dissipation

USE: **Cooling**

Heat exchange

SN: Heat transfer at air-water, air-ice, ice-water, or sediment-water interface

BT: Heat transfer

NT: Latent heat transfer

Sensible heat transfer

RT: Air-ice interface

Air-water exchanges

Air-water interface

Evaporation

Heat budget

Ice-water interface

Radiation balance

Sediment-water exchanges

Sediment-water interface

Heat exchangers

RT: OTEC plants

Heat flow

SN: Use only for heat flow measurements and amounts on the ocean floor. Use GEOTHERMAL ENERGY for land areas

UF: Heat flow flux

BT: Heat transfer

RT: Heat budget

Heat conduction

Heat probes

Hot spots

Hot springs

Mantle convection

Sediment-water exchanges

Sediment-water interface

Sediment temperature

Thermal conductivity

Heat flow flux

USE: **Heat flow**

Heat flux

USE: **Heat transfer**

Heat gain (organisms)

USE: **Heat balance**

Heat gain (water bodies)

USE: **Heat budget**

Heat loss (organisms)

USE: **Heat balance**

Heat loss (water bodies)

USE: **Heat budget**

Heat measurement

USE: **Calorimetry**

Heat probes

BT: Geothermal equipment

RT: Geothermal measurement

Heat flow

Heat properties

USE: **Thermodynamic properties**

Heat radiation

USE: **Thermal radiation**

Heat shock

BT: Temperature effects

RT: Cold shock

Heat sinks

RT: Thermodynamics

Heat storage

SN: Amount of heat used in changing the temperature of a body of water in a given time interval. A component of the heat budget

RT: Heat budget

Heat tolerance

USE: **Temperature tolerance**

Heat transfer

UF: Heat flux

BT: Energy transfer

NT: Cooling

Eddy conduction

Heat conduction

Heat exchange

Heat flow

RT: Boundary layers

Convection

Entropy	Arsenic	BT: Decks
Heat	Bismuth	RT: Helicopters
Heat balance	Cadmium	
Heat transport	Chromium	Helium
Phase changes	Cobalt	BT: Rare gases
Prandtl number	Copper	RT: Helium isotopes
Radiative transfer	Gallium	
Temperature	Gold	Helium isotopes
Temperature differences	Hafnium	BT: Isotopes
Thermal radiation	Indium	RT: Helium
Thermodynamics	Iridium	Uranium-helium dating
	Iron	
Heat transport	Lead	Helium oxygen mixture
SN: Heat advected by oceanic or atmospheric circulation into or out of a region	Manganese	USE: Mixed gas
UF: Heat advection	Mercury	
Poleward heat flux	Molybdenum	Helmholtz instability
BT: Transport	Nickel	USE: Kelvin-Helmholtz instability
RT: Advection	Niobium	
Atmospheric circulation	Osmium	
Atmospheric motion	Palladium	Hematite
Conservation of heat	Platinum	USE: Haematite
Convection	Radium	
Heat budget	Rhenium	Hematological diseases
Heat transfer	Rhodium	USE: Haematological diseases
Ocean circulation	Ruthenium	
Water exchange	Selenium	Hematology
	Silver	USE: Haematology
Heated effluent systems	Tantalum	
USE: Thermal aquaculture	Technetium	Hematopoiesis
	Tellurium	USE: Haemopoiesis
Heating	Thallium	
SN: Includes heating equipment	Tin	Hemic diseases
RT: Cooling	Titanium	USE: Haematological diseases
Heat	Tungsten	
Ice prevention	Vanadium	Hemocyanins
	Zinc	USE: Haemocyanins
Heating fuels	Zirconium	
USE: Fuels	RT: Toxicants	Hemoglobins
	Toxicity	USE: Haemoglobins
Heave		
USE: Heaving	Heavy minerals	Hemopoiesis
	BT: Minerals	USE: Haemopoiesis
Heave compensators	RT: Chromium	
RT: Drill string	Light minerals	Hemorrhage
Drilling	Rutile	USE: Haemorrhage
Heaving		
Stabilizing	Heavy water	Heparin
	BT: Water	BT: Mucopolysaccharides
Heave response	RT: Deuterium compounds	
BT: Dynamic response	Hydrogen isotopes	Hepatocytes
RT: Buoy motion effects		BT: Blood cells
Heaving	Height	
	UF: Altitude	Hepatoma
Heaving	BT: Dimensions	USE: Tumours
UF: Heave	NT: Cloud height	
BT: Ship motion	RT: Altimeters	Hepatopancreas
RT: Buoy motion effects	Altimetry	BT: Digestive glands
Heave compensators	Depth	
Heave response	Dynamic height	Herbicide resistance
	Hypsometric curves	BT: Pesticide resistance
Heavy metals		RT: Defence mechanisms
SN: Metallic elements with a specific gravity greater than four	Helicopters	Herbicides
BT: Metals	BT: Aircraft	Insecticide resistance
NT: Antimony	RT: Helidecks	Insecticides
		Pest control
	Helidecks	Weeds
	SN: Helicopter landing deck	

Herbicides

BT: Pesticides
RT: Algcides
Herbicide resistance
Insecticide resistance
Lindane
Pesticide resistance
Plant control

Herbivores

BT: Heterotrophic organisms
NT: Herbivorous fish
RT: Carnivores
Grazing
Omnivores
Piscivores
Trophic levels

Herbivorous fish

UF: Phytophagous fishes
BT: Fish
Herbivores
RT: Freshwater fish
Plant control

Heredity

USE: **Genetics**

Hermaphroditism

UF: Bisexuality
NT: Self fertilization
RT: Animal reproductive organs
Imposex
Protandry
Protogyny
Sex determination

Herpetology

BT: Vertebrate zoology
RT: Aquatic reptiles

Herring fisheries

USE: **Clupeoid fisheries**

Heteroenzymes

USE: **Enzymes**

Heterosis

UF: Hybrid vigor
BT: Biological properties
RT: Hybrid culture
Hybridization
Hybrids

Heterotrophic organisms

SN: Use of a more specific term is recommended
UF: Heterotrophs
BT: Aquatic organisms
NT: Carnivores
Decomposers
Detritus feeders
Filter feeders
Herbivores
Omnivores
Piscivores
Plankton feeders

Predators

Scavengers
RT: Feeding behaviour
Food webs
Heterotrophy
Trophodynamic cycle

Heterotrophs

USE: **Heterotrophic organisms**

Heterotrophy

BT: Nutritional types
RT: Animal nutrition
Heterotrophic organisms

Hexosamines

BT: Amines
NT: Glucosamine

Hiatuses

RT: Bottom erosion

Hibernation

SN: Dormancy or resting state during winter period
RT: Aestivation
Body temperature
Dormancy
Environmental effects
Metabolism
Sleep
Thermoregulation

Hierarchies (social)

USE: **Dominance hierarchies**

High frequency

BT: Frequency
RT: Low frequency

High performance liquid chromatography

USE: **HPLC**

High pressure effects

BT: Pressure effects
RT: Decompression chambers
Hydrostatic pressure
Hyperbaric
Implosions
Pressure vessels

High pressure ridges

RT: Atmospheric disturbances
High pressure systems

High pressure systems

RT: Atmospheric disturbances
Atmospheric pressure
High pressure ridges
Sea level pressure

High seas

BT: Ocean space
RT: High seas fisheries
International waters
Piracy

High seas fisheries

UF: Distant water fisheries
BT: Marine fisheries
RT: Factory ships
High seas
Industrial fisheries

High tide

SN: Before 1995 search also
HIGH WATER
UF: High water
BT: Tides
RT: Cotidal lines
Flood currents
Low tide

High water

USE: **High tide**

Highest astronomical tides

USE: **Astronomical tides**

Highly migratory species

USE: **Migratory species**

Hijacking of ships

USE: **Piracy**

Hijacking of yachts

USE: **Piracy**

Hindcasting (waves)

USE: **Wave hindcasting**

Histamines

BT: Organic compounds
RT: Allergic reactions

Histochemistry

BT: Biochemistry
RT: Cell constituents
Cells
Histology
Tissues

Histological markers

USE: **Biomarkers**

Histology

UF: Tissue morphology
BT: Biology
RT: Anatomy
Cytology
Fixatives
Grafting
Histochemistry
Histopathology
Microscopy
Tissues

Histones

BT: Proteins
RT: Chromosomes

Histopathology

BT: Pathology

ASFA THESAURUS

- RT: Diseases
Histology
Tissues
- Historical account**
SN: History or development of aquatic sciences or research institutions
UF: History
RT: Archives
Expedition reports
- History
USE: **Historical account**
- History (geological)
USE: **Geological history**
- History of sea water
USE: **Seawater evolution**
- Hodographs**
BT: Graphs
NT: Current ellipses
Ekman spiral
RT: Map graphics
Vectors
- Hoisting
USE: **Lifting**
- Hoists
USE: **Cranes**
- Holdfasts**
BT: Plant organs
RT: Kelps
Seaweeds
- Hole re-entry**
UF: Re-entry (deep-sea drilling)
RT: Boreholes
Deep-sea drilling
- Holocene**
SN: Before 1982 search
HOLOCENE EPOCH
UF: Recent epoch
BT: Quaternary
- Holocene sediments
USE: **Recent sediments**
- Holography**
NT: Acoustic holography
RT: Lasers
Light diffraction
Photography
- Holoplankton**
UF: Permanent plankton
BT: Zooplankton
- Holotypes**
SN: Single designated plant or animal specimen that serves as the basis for the original name and description of any taxon
UF: Type specimens
RT: Lectotype
New taxa
Species identification
Taxonomy
Type localities
Typology
- Home range**
UF: Territory
RT: Competitive behaviour
Habitat
Homing behaviour
Local movements
Territoriality
- Homeothermy
USE: **Homoiothermy**
- Homing behaviour**
BT: Behaviour
RT: Anadromous migrations
Animal navigation
Catadromous migrations
Home range
Local movements
- Homoiothermic animals
USE: **Homoiothermy**
- Homoiothermy**
UF: Homeothermy
Homoiothermic animals
Warm-blooded animals
BT: Biological properties
RT: Body temperature
Poikilothermy
Temperature tolerance
Thermoregulation
- Honour volumes
USE: **Collected papers**
- Hook rate
USE: **Catch-effort**
- Hooks**
UF: Fish hooks
BT: Lines
RT: Bait
- Horizon**
RT: Direction
Geodesy
- Horizontal advection**
BT: Advection
RT: Horizontal motion
- Horizontal distribution**
BT: Geographical distribution
NT: Bipolar distribution
RT: Annual variations
Migrations
Seasonal variations
- Spatial variations
- Horizontal motion**
BT: Fluid flow
RT: Atmospheric motion
Convergence
Divergence
Horizontal advection
Water currents
- Horizontal profiles**
BT: Profiles
NT: Beach profiles
Thalweg
RT: Bathymetric profiles
Vertical profiles
- Hormones**
UF: Chemical messengers
Messengers (chemicals)
BT: Secretory products
NT: Ecdysons
Insulin
Neurotransmitters
Pheromones
Phytohormones
Sex hormones
RT: Drugs
Ectocrines
Endocrine glands
Endocrinology
Enzymes
Glycoproteins
Growth regulators
Metabolism
Physiology
Secretion
Steroids
Target cells
- Hornblende
USE: **Amphibolites**
- Horse mackerel fisheries
USE: **Carangid fisheries**
- Hoses**
NT: Floating hoses
RT: Pipes
- Host preferences**
RT: Hosts
Parasitism
Specificity
- Hosts**
UF: Intermediate hosts
RT: Biological vectors
Diseases
Host preferences
Parasites
Parasitism
- Hot brines**
UF: Hot salty water
Metalliferous brines
BT: Brines

Hydrothermal solutions
RT: Dissolved chemicals
Metalliferous sediments

Hot salty water
USE: **Hot brines**

Hot spots

RT: Heat flow
Magma
Mantle plumes
Plate tectonics
Seamount chains
Volcanism

Hot springs

SN: Before 1982 search
THERMAL SPRINGS
UF: Geysers
Thermal springs (hot)
BT: Water springs
RT: Geothermal energy
Heat flow
Hydrothermal springs

Hourly

BT: Periodicity

Household statistics

SN: A basic unit for socio-cultural and economic analysis, a household may consist of persons living together and jointly making provision for food or other essentials elements of the livelihood.
UF: Family statistics
Households
BT: Statistics

Households

USE: **Household statistics**

Hovercraft

UF: Air cushion vehicles
BT: Surface craft
RT: Air transportation
Aircraft
Amphibious vehicles

HPLC

UF: High performance liquid chromatography
RT: Chromatographic techniques

Hulls

NT: Buoy hulls
Ship hulls

Human diseases

UF: Disorders (human)
Sickness
BT: Diseases
NT: Botulism
Ciguatera
Decompression sickness
Diarrhetic shellfish poisoning

Hypercapnia
Hypothermia
Hypoxia
Malaria
Paralytic shellfish poisoning
Sea sickness
RT: Human physiology
Nutrition disorders
Public health

Human food

UF: Food for human consumption
BT: Food
NT: Seafood
RT: Ecosystem services
Fish consumption
Food insecurity
Food resources
Food safety
Food security
Recipes

Human health

USE: **Public health**

Human impact

USE: **Man-induced effects**

Human nutrition

USE: **Nutrition**

Human physiology

BT: Physiology
RT: Diving physiology
Human diseases
Medicine

Human resources

UF: Manpower resources
BT: Resources
RT: Human trafficking
Personnel

Human trafficking

SN: A modern-day form of slavery involving the illegal trade of people for exploitation or commercial gain
UF: Slave labor
Slave labour
RT: Human resources
International law
Public health

Human underwater habitats

USE: **Underwater habitats**

Humane treatment of animals

USE: **Animal welfare**

Humic acids

BT: Organic acids
RT: Dystrophic lakes
Fulvic acids
Humus

Humic lakes

USE: **Dystrophic lakes**

Humidity

SN: Use of a more specific term is recommended
NT: Absolute humidity
Relative humidity
Specific humidity
RT: Dew point
Hygrometers
Hygrometry
Mixing ratio
Radiosondes
Storage conditions
Vapour pressure
Water content
Water vapour
Weather

Humidity measurement

USE: **Hygrometry**

Humidity sensors

USE: **Hygrometers**

Humus

BT: Organic matter
RT: Composts
Degradation
Fulvic acids
Humic acids
Leaves
Peat
Soils

Hunger

SN: Hunger represents the physiological need to eat food
BT: Sense functions
RT: Feeding behaviour
Food
Nutritional requirements
Physiology
Starvation
Stomach

Hunger (socioeconomic)

USE: **Famine**

Hunting

NT: Whaling
RT: Hunting statistics
Wounding

Hunting statistics

SN: Tabulation of hunted pinnipeds and allied species, including derived industrial products
BT: Catch statistics
RT: Hunting

Hurricane surges

USE: **Hurricane waves**

Hurricane tides

USE: **Hurricane waves**

Hurricane tracking

BT: Tracking
RT: Hurricanes

Hurricane waves

UF: Hurricane surges
Hurricane tides
BT: Storm surges
RT: Hurricanes
Tropical oceanography

Hurricanes

SN: Mature tropical depressions with wind speeds of 65 knots and over
UF: Cyclones (tropical)
Tropical cyclones
Typhoons
BT: Storms
Tropical depressions
RT: Atmospheric forcing
Bottom pressure
Cyclones
Damage assessment
Disasters
Gale force winds
Hurricane tracking
Hurricane waves
Mixed layer depth
Oceanic response
Temperature (air-sea)
Thermal structure
Tropical meteorology
Waterspouts

Husbandry diseases

UF: Fish culture diseases
BT: Diseases
RT: Environmental diseases
Fish diseases
Nutrition disorders

Hybrid culture

UF: Cross breeding
BT: Aquaculture techniques
RT: Fish culture
Freshwater aquaculture
Heterosis
Hybridization
Hybrids
Intensive culture
Selective breeding

Hybrid vigor

USE: **Heterosis**

Hybridization

UF: Hybridizing
Interbreeding
Molecular hybridization
RT: Breeding
Brood stocks
Genetics
Genotypes
Heterosis
Hybrid culture
Hybrids

Hybridizing

USE: **Hybridization**

Hybrids

SN: Occurring in nature or cultured form
RT: Genetics
Heterosis
Hybrid culture
Hybridization
Selective breeding

Hydrates

RT: Hydration
Ions

Hydration

BT: Solvation
RT: Dehydration
Hydrates

Hydraulic engineering

BT: Engineering
RT: Flood control
Grouting
Hydraulic models
Hydraulic structures
Hydraulics
Pond construction
Structural engineering

Hydraulic fracturing

USE: **Hydraulic fracturing**

Hydraulic fracturing

SN: A method used to extract natural gas by injecting a mix of water, sand, and chemicals under high pressure into underground rock
UF: Fracking
Hydraulic fracturing
Hydrofracking
Hydrofracturing
RT: Drilling
Gas production
Oil and gas exploration
Rocks

Hydraulic jump

RT: Standing waves
Tidal bores

Hydraulic models

BT: Scale models
NT: Harbour models
RT: Hydraulic engineering
Hydraulic structures
Test equipment
Wave tanks

Hydraulic power transmission systems

USE: **Hydraulic systems**

Hydraulic structures

SN: Use of a more specific term is recommended. Before 1982 search also COASTAL STRUCTURES and MARINE STRUCTURES
UF: Maritime structures
BT: Structures
NT: Barrages
Coastal structures
Offshore structures
Outfalls
RT: Hydraulic engineering
Hydraulic models

Hydraulic systems

UF: Hydraulic power transmission systems
Hydraulically operated devices
RT: Deck equipment
Hydrostatic pressure
Mining equipment

Hydraulically operated devices

USE: **Hydraulic systems**

Hydraulics

BT: Mechanics
RT: Hydraulic engineering

Hydrobiologists

USE: **Biologists**

Hydrobiology

UF: Aquatic biology
BT: Biology
RT: Algology
Fishery biology
Freshwater sciences
Ichthyology
Malacology
Marine sciences

Hydrocarbon analysis

BT: Analysis
RT: Chemical analysis
Hydrocarbons
Petroleum
Sediment analysis
Water analysis

Hydrocarbon compounds

USE: **Hydrocarbons**

Hydrocarbons

UF: Hydrocarbon compounds
Solid hydrocarbons
BT: Organic compounds
NT: Gas hydrates
Halogenated hydrocarbons
Iodinated hydrocarbons
Petroleum hydrocarbons
Saturated hydrocarbons
Unsaturated hydrocarbons
RT: Carbon
Carbon compounds
Fatty acids

- Fossil fuels
 - Hydrocarbon analysis
 - Hydrogen
 - Oil
 - Oil sands
 - Oil shale
 - Sapropels
- Hydroclimate**
BT: Climate
RT: Bioclimatology
Biogeography
Salinity
Water temperature
- Hydrodynamic equations**
BT: Equations
RT: Dynamical oceanography
Hydrodynamics
Hydrostatic equation
- Hydrodynamics**
BT: Dynamics
Fluid mechanics
RT: Boundary layers
Coupled bodies
Current forces
Hydrodynamic equations
Hydrostatics
Navier-Stokes equations
Physical limnology
Physical oceanography
Stream flow
Vorticity
Wakes
Water circulation
Wave forces
- Hydroelectric power**
BT: Energy resources
RT: Green energy
Hydroelectric power plants
Renewable resources
Tidal power
Wave power
- Hydroelectric power plants**
BT: Power plants
NT: Tidal power plants
RT: Hydroelectric power
Wave power devices
- Hydrofoils**
BT: Surface craft
- Hydrofracking
USE: **Hydraulic fracturing**
- Hydrofracturing
USE: **Hydraulic fracturing**
- Hydrogen**
BT: Atmospheric gases
Nonmetals
RT: Hydrocarbons
Hydrogen compounds
Hydrogen ions
- Hydrogen isotopes
pH
- Hydrogen compounds**
BT: Chemical compounds
NT: Deuterium compounds
Hydrogen sulphide
Hydroxides
Inorganic acids
RT: Hydrogen
Water
- Hydrogen ion concentration
USE: **pH**
- Hydrogen ions**
BT: Ions
RT: Hydrogen
- Hydrogen isotopes**
BT: Isotopes
NT: Deuterium
Tritium
RT: Heavy water
Hydrogen
- Hydrogen sulphide**
BT: Hydrogen compounds
Sulphides
RT: Anoxic sediments
- Hydrogenous sediments
USE: **Chemical sediments**
- Hydrogeology
USE: **Geohydrology**
- Hydrogeomorphology**
SN: The study of landforms created or modified by water
BT: Geomorphology
RT: Geology
Hydrology
Landforms
Water bodies
- Hydrographic charts**
UF: Oceanographic charts
BT: Maps
NT: Bathymetric charts
Current charts
Density charts
Ice charts
Salinity charts
Temperature charts
Tidal charts
RT: Environmental charts
Hydrographic data
Hydrographic sections
Hydrographic surveying
Hydrography
Oceanographic atlases
- Hydrographic data**
BT: Data
NT: CTD observations
Current data
- Current meter data
Salinity data
Water temperature data
RT: Current observations
Hydrographic charts
Hydrography
Ice observations
STD observations
STD profiles
- Hydrographic sections**
SN: Use of a more specific term is recommended
BT: Vertical sections
NT: Bathymetric profiles
Density sections
Oxygen sections
Salinity sections
Temperature sections
Velocity sections
RT: Dissolved oxygen
Hydrographic charts
Hydrography
Meridional distribution
Oceanographic atlases
Standard ocean sections
Vertical profiles
Zonal distribution
- Hydrographic surveying**
SN: Surveying for data required for the compilation of navigational charts, principally the determination of water depth, nature of the seabed, currents and tides, and the location of fixed objects
UF: Charting (navigational hazards)
BT: Surveying
RT: Hydrographic charts
Hydrographic surveys
Research vessels
Survey vessels
Water depth
- Hydrographic surveys**
SN: Hydrographic, archaeological, cartographic, navigational, bathymetric and other seabed surveys. For TSD distribution use HYDROGRAPHY
BT: Surveys
NT: Bathymetric surveys
RT: Archaeology
Bathymetry
Hydrographic surveying
Navigational charts
Research vessels
Site surveys
Survey vessels
Water depth
- Hydrography**
SN: Use only for general studies of the distribution of the

ASFA THESAURUS

common physico-chemical properties (temperature, salinity, oxygen, etc.) of the oceans and inland waters
 UF: Descriptive physical oceanography
 BT: Physical oceanography
 RT: Bathymetry
 Fishery oceanography
 Hydrographic charts
 Hydrographic data
 Hydrographic sections
 Limnology
 Oceanographic surveys
 Water
 Water masses
 Water types

Hydrolases

SN: Before 1982 search
 ENZYMES
 BT: Enzymes
 RT: Hydrolysis

Hydrologic cycle

UF: Water cycle
 BT: Cycles
 RT: Energy budget
 Hydrology
 Hydrosphere
 Rainfall
 Water
 Water budget
 Water circulation
 Water resources

Hydrology

SN: Use for studies of continental surface waters and geohydrology
 BT: Geology
 NT: Geohydrology
 Karst hydrology
 RT: Aquifers
 Freshwater sciences
 Geochemistry
 Geomorphology
 Geostatistics
 Hydrogeomorphology
 Hydrologic cycle
 Hydrosphere
 Limnology
 Water
 Water budget

Hydrolysis

BT: Chemical reactions
 NT: Enzymolysis
 RT: Chemical degradation
 Detoxification
 Digestion
 Hydrolases

Hydrometeors

SN: Products of condensation or sublimation of atmospheric

water vapour and of water particles blown by the wind from the earth's surface. Use of a more specific term is recommended
 NT: Atmospheric precipitations
 Clouds
 Droplets
 Spray
 RT: Condensation
 Sublimation
 Water
 Water vapour

Hydrometers

BT: Measuring devices
 RT: Density measurement
 Density measuring equipment

Hydrometry

USE: **Density measurement**

Hydrophones

BT: Acoustic transducers
 RT: Microphones
 Piezoelectric transducers
 Sonobuoys
 Sound recorders
 Streamers

Hydrophotometers

USE: **Photometers**

Hydrophytes

USE: **Aquatic plants**

Hydroponics

SN: The soil-less growing of plants in water containing dissolved nutrients
 RT: Aquaponics
 Cultured organisms
 Plant growth
 Plant nutrition

Hydrosphere

NT: Cryosphere
 RT: Aquatic sciences
 Hydrologic cycle
 Hydrology
 Inland waters
 Marginal seas
 Ocean-atmosphere system
 Water
 Water bodies
 Water budget
 Water column

Hydrostatic behaviour

UF: Hydrostatic reactions
 BT: Behaviour
 RT: Buoyancy
 Flotation
 Swim bladder

Hydrostatic equation

RT: Coriolis force

Equations of motion
 Hydrodynamic equations
 Hydrostatics

Hydrostatic pressure

SN: Before 1982 search WATER PRESSURE
 UF: Pressure (water)
 Water pressure
 BT: Pressure
 NT: Bottom pressure
 RT: Decompression
 High pressure effects
 Hydraulic systems
 Hydrostatics
 Hyperbaric
 Isobaric surfaces
 Pore pressure
 Pressure effects
 Pressure field
 Water
 Water density

Hydrostatic reactions

USE: **Hydrostatic behaviour**

Hydrostatics

BT: Fluid mechanics
 RT: Hydrodynamics
 Hydrostatic equation
 Hydrostatic pressure
 Pressure gradients

Hydrothermal activity

SN: Before 1982 search also HYDROTHERMAL SYSTEMS
 UF: Hydrothermal processes
 Hydrothermal systems
 NT: Basalt-seawater interaction
 RT: Geothermal energy
 Hydrothermal alteration
 Hydrothermal deposits
 Hydrothermal fields
 Hydrothermal flow
 Hydrothermal solutions
 Hydrothermal springs

Hydrothermal alteration

SN: Changes in the mineralogic composition of rock brought about by the action of hydrothermal solutions
 UF: Geothermal alteration
 Hydrothermal metamorphism
 BT: Metamorphism
 RT: Basalt-seawater interaction
 Hydrothermal activity
 Hydrothermal solutions
 Metasomatism
 Mineral composition
 Serpentinization

Hydrothermal areas

USE: **Hydrothermal fields**

Hydrothermal circulation

USE: **Hydrothermal flow**

Hydrothermal deposits

UF: Hydrothermal sediments
BT: Chemical sediments
RT: Hydrothermal activity
Hydrothermal fields
Hydrothermal solutions
Hydrothermal springs
Metalliferous sediments
Sulphide deposits

Hydrothermal energy
USE: **Geothermal power**

Hydrothermal fields

UF: Geothermal fields
Hydrothermal areas
BT: Fields
RT: Hydrothermal activity
Hydrothermal deposits
Hydrothermal springs

Hydrothermal flow

SN: Before 1982 search
HYDROTHERMAL
CIRCULATION
UF: Hydrothermal circulation
BT: Fluid flow
RT: Hydrothermal activity
Hydrothermal springs

Hydrothermal fluids
USE: **Hydrothermal solutions**

Hydrothermal metamorphism
USE: **Hydrothermal alteration**

Hydrothermal processes
USE: **Hydrothermal activity**

Hydrothermal sediments
USE: **Hydrothermal deposits**

Hydrothermal solutions

UF: Geothermal fluids
Hydrothermal fluids
Hydrothermal waters
BT: Solutions
NT: Hot brines
RT: Hydrothermal activity
Hydrothermal alteration
Hydrothermal deposits
Hydrothermal springs
Pore water

Hydrothermal springs

UF: Hydrothermal vents
Thermal springs (hydrothermal)
Vents (hydrothermal)
BT: Geothermal springs
RT: Hot springs
Hydrothermal activity
Hydrothermal deposits
Hydrothermal fields
Hydrothermal flow
Hydrothermal solutions

Hydrothermal systems

USE: **Hydrothermal activity**

Hydrothermal vents
USE: **Hydrothermal springs**

Hydrothermal waters
USE: **Hydrothermal solutions**

Hydroxides

BT: Hydrogen compounds

Hydroxylamines

BT: Amines

Hygiene

SN: Hygienic practices and precautions for public health
RT: Diseases
Public health
Sanitary engineering

Hygrometers

UF: Humidity sensors
BT: Measuring devices
RT: Humidity
Hygrometry
Water vapour

Hygrometry

UF: Humidity measurement
BT: Measurement
RT: Earth atmosphere
Humidity
Hygrometers
Lidar
Water content
Water vapour

Hyperbaric

SN: Used only as qualifier
RT: Decompression chambers
High pressure effects
Hydrostatic pressure

Hyperbaric chambers
USE: **Decompression chambers**

Hypercapnia

UF: Carbon dioxide poisoning
BT: Human diseases
RT: Asphyxia
Blood
Carbon dioxide
Mortality causes
Underwater medicine

Hypereutrophic waters

BT: Water
RT: Dystrophic lakes
Eutrophic lakes
Eutrophic waters
Eutrophication
Hyperoligotrophic waters
Mesotrophic waters
Oligotrophic lakes
Oligotrophic waters
Trophic state

Hyperoligotrophic waters

BT: Water
RT: Dystrophic lakes
Eutrophic lakes
Eutrophic waters
Eutrophication
Hypereutrophic waters
Mesotrophic waters
Oligotrophic waters
Trophic state

Hyperthermia

RT: Body temperature
Diving hazards
Diving physiology
Hypothermia
Underwater medicine

Hypertrophy

RT: Eutrophication
Mesotrophic waters
Nutrients (mineral)
Oligotrophic waters
Trophic state

Hypolimnion

UF: Deep layers (lakes)
RT: Deep layer
Deep water
Epilimnion
Metalimnion
Stagnant water
Thermal stratification
Thermocline
Water column

Hypophysation
USE: **Induced breeding**

Hypophysectomy

BT: Organ removal
RT: Pituitary gland

Hypophysis
USE: **Pituitary gland**

Hyporheic environments
USE: **Hyporheic zone**

Hyporheic zone

SN: A region beneath and alongside a stream bed, where there is mixing of shallow groundwater and surface water
UF: Hyporheic environments
BT: Benthic environment
RT: Ground water
Inland water environment
Interfaces
Interstitial environment
Riparian environments
River beds
Rivers
Sediment-water interface
Sediments
Surface water

Hypothalamus

BT: Brain

Hypothermia

BT: Human diseases
RT: Body temperature
Diving physiology
Hyperthermia
Mortality causes
Survival at sea
Underwater medicine

Hypoxia

UF: Oxygen poisoning
BT: Human diseases
RT: Anoxia
Oxygen consumption
Oxygen depletion
Underwater medicine

Hypsographic curves

USE: **Hypsometric curves**
Hypsometric curves

UF: Hypsographic curves
BT: Graphs
RT: Area
Depth
Height
Morphometry

Hypsometry

RT: Atmospheric pressure
Sea level

Ice

SN: Use for ice in the environment or as a preservative
UF: Sludge (ice)
NT: Floating ice
Freshwater ice
Glaciers
Lake ice
Land ice
Sea ice
RT: Air-ice interface
Cryosphere
Ice-oil interface
Ice-water interface
Ice breakup
Ice cover
Ice fishing
Ice prevention
Ice properties
Ice ridges
Ice thickness
Ice volume
Icing
Navigation in ice
Post harvest losses
Snow
Water

Ice-air interface

USE: **Air-ice interface**
Ice-free periods

RT: Ice breakup
Ice cover
Navigation in ice

Ice-oil interface

UF: Oil-ice interface
BT: Interfaces
RT: Ice
Oil pollution
Oil spills

Ice-rafted detritus

USE: **Glacial erratics**
Ice-water interface

UF: Water-ice interface
BT: Interfaces
RT: Heat exchange
Ice
Ice canopy
Ice formation

Ice accretion

BT: Accretion
NT: Icing
RT: Ablation
Ice volume

Ice ages

UF: Glacial periods
RT: Glacial erratics
Glaciation
Ice volume
Palaeoclimate
Pleistocene

Ice barriers

SN: Protection for offshore structures subject to floating ice
BT: Barriers
RT: Ice loads
Pack ice

Ice breakers

BT: Ships
RT: Ice breaking
Ice breakup
Navigation in ice

Ice breaking

RT: Ice breakers
Ice breakup
Navigation in ice
Sea ice

Ice breakup

RT: Ice
Ice-free periods
Ice breakers
Ice breaking
Ice formation
Ice jams
Ice melting
Navigation in ice

Ice canopy

UF: Submarine ice profiles

Underwater ice profiles

RT: Ice-water interface

Pack ice

Polynyas

Ice caps

UF: Ice mantle
Ice sheets
BT: Land ice
RT: Ablation
Air-ice interface
Cryosphere
Floating ice
Ice cover
Ice thickness
Ice volume

Ice charts

BT: Hydrographic charts
RT: Ice conditions
Ice cover
Ice edge
Ice observations
Ice routing

Ice clearings

USE: **Polynyas**
Ice conditions

RT: Ice charts
Ice cover
Weather

Ice control

USE: **Ice prevention**
Ice cover

RT: Ice
Ice-free periods
Ice caps
Ice charts
Ice conditions
Ice edge
Ice volume
Palaeoclimate
Winterkill

Ice drift

UF: Drift (ice)
Ice movement
BT: Drift
RT: Glacial deposits
Ice islands
Icebergs
Pack ice
Rafting
Wind stress

Ice edge

UF: Ice limit
RT: Ice charts
Ice cover

Ice fields

BT: Fields
RT: Pack ice
Sea ice

Ice fishing

SN: Fishing through holes cut in the ice
BT: Fishing
RT: Bait fishing
Ice
Sport fishing

Ice floes

USE: **Pack ice**

Ice forces

USE: **Ice loads**

Ice forecasting

BT: Prediction

Ice formation

RT: Freezing
Ice-water interface
Ice breakup
Ice nuclei
Icing
Sublimation

Ice fronts

RT: Ice shelves

Ice islands

BT: Floating ice
RT: Ablation
Artificial islands
Drifting stations
Ice drift
Ice rafts
Ice shelves
Islands

Ice jams

RT: Floating ice
Ice breakup
Ice loads
Ice pressure
Navigation in ice

Ice keels

BT: Floating ice
RT: Iceberg scouring
Icebergs
Pack ice
Sea ice

Ice leads

USE: **Leads**

Ice limit

USE: **Ice edge**

Ice loads

UF: Ice forces
BT: Loads (forces)
RT: Ice barriers
Ice jams
Ice pressure
Ice prevention
Sea walls

Ice mantle

USE: **Ice caps**

Ice melting

SN: Used for melting of ice and snow on land and in frozen soil. For thawing of frozen fishery products, use THAWING. For preventing and removing rime and glaze from decks, superstructures, equipment, etc., use DEICING
BT: Melting
RT: Ablation
Deicing
Ice breakup
Melt water
Snowmelt
Thawing

Ice movement

USE: **Ice drift**

Ice navigation

USE: **Navigation in ice**

Ice nuclei

RT: Ice formation
Nuclei

Ice observations

UF: Ice reporting
RT: Hydrographic data
Ice charts
Iceberg detection

Ice pressure

RT: Ice jams
Ice loads

Ice prevention

UF: Ice control
RT: Deicing
Deicing equipment
Heating
Ice
Ice loads

Ice properties

BT: Properties
RT: Dielectric constant
Ice
Thermal conductivity

Ice rafting

SN: Transport of sediments by ice
BT: Rafting
RT: Glacial erratics
Glacial transport
Ice rafts
Palaeocurrents
Sea ice

Ice rafts

BT: Artificial islands
RT: Floating structures
Ice islands

Ice rafting

Ice reporting

USE: **Ice observations**

Ice ridges

RT: Ice
Ice thickness

Ice routeing

BT: Ship routeing
RT: Ice charts
Navigation in ice

Ice scouring

USE: **Iceberg scouring**

Ice sheets

USE: **Ice caps**

Ice shelves

BT: Floating ice
RT: Ablation
Calving
Fast ice
Ice fronts
Ice islands
Ice thickness

Ice thickness

BT: Thickness
RT: Ice
Ice caps
Ice ridges
Ice shelves

Ice volume

SN: Estimates of total volume of ice caps, glaciers, sea ice, etc. in the cryosphere
BT: Volume
RT: Ablation
Cryosphere
Glaciers
Ice
Ice accretion
Ice ages
Ice caps
Ice cover
Water budget

Iceberg detection

BT: Detection
RT: Ice observations
Icebergs
Warning services

Iceberg scour marks

USE: **Ploughmarks**

Iceberg scouring

UF: Ice scouring
BT: Scouring
RT: Bed forms
Glacial erosion
Ice keels
Ploughmarks

Icebergs

UF: Calved ice
Tabular bergs
BT: Floating ice
RT: Ablation
Calving
Glaciers
Ice drift
Ice keels
Iceberg detection
Melt water

Ichthyocides

UF: Piscicides
Polychloropine
BT: Pesticides
RT: Molluscicides

Ichthyofauna

USE: **Fish**

Ichthyologists

UF: Fish scientists
BT: Zoologists
RT: Fishery biologists
Ichthyology
Taxonomists

Ichthyology

BT: Vertebrate zoology
RT: Biogeography
Fish
Fish physiology
Fishery biology
Hydrobiology
Ichthyologists

Ichthyoplankton

BT: Zooplankton
RT: Fish eggs
Fish larvae
Ichthyoplankton surveys
Meroplankton

Ichthyoplankton surveys

BT: Plankton surveys
RT: Fishery surveys
Ichthyoplankton
Survey design

Icing

SN: Formation of ice on ships and offshore structures by freezing of spray on impact
BT: Ice accretion
Weather hazards
RT: Deicing
Deicing equipment
Freezing
Ice
Ice formation

ICZM

USE: **Integrated coastal zone management**

Identification

NT: Pollutant identification
Species identification
RT: Detection
Identification keys
Inspection
Tracking

Identification keys

UF: Keys
Taxonomic keys
RT: Check lists
Identification
Species identification
Taxonomy

IFQs

USE: **Individual transferable quotas**

Igneous dikes

BT: Igneous intrusions
RT: Batholiths
Igneous rocks

Igneous intrusions

UF: Intrusions (igneous)
NT: Batholiths
Igneous dikes
RT: Diapirism
Magma chambers
Plutons

Igneous rocks

BT: Rocks
NT: Gabbros
Granite
Plutons
Ultramafic rocks
Volcanic rocks
RT: Batholiths
Igneous dikes
Magma

Illegal fishing

RT: Exclusive economic zone
Fishery disputes
Fishery protection

Illite

BT: Clay minerals

Illumination

USE: **Lighting systems**

Illustrations

UF: Drawings
Zoological drawings
BT: Graphics

Ilmenite

BT: Oxide minerals
RT: Placers
Titanium

Image enhancement

BT: Imaging techniques

RT: Imagery

Pattern recognition

Image processing

RT: Imagery
Imaging techniques

Image sensors

USE: **Remote sensing equipment**

Imagery

UF: Images
NT: Acoustic imagery
Infrared imagery
Microwave imagery
Photography
RT: Image enhancement
Image processing
Imaging techniques
Remote sensing
Social media

Images

USE: **Imagery**

Imaging

USE: **Imaging techniques**

Imaging techniques

UF: Imaging
NT: Image enhancement
RT: Image processing
Imagery
Tomography

Immersion effects

RT: Light measurement

Immigrations

BT: Migrations

Immobilization

RT: Mobility

Immune response

USE: **Immunity**

Immunity

SN: The ability of an animal or plant to resist and/or overcome harmful infection or agents
UF: Immune response
Innate immunity
Natural immunity
BT: Biological properties
RT: Antibodies
Defence mechanisms
Disease resistance
Immunization
Immunoassays
Immunology

Immunization

SN: The process of rendering an animal resistant to infection or harmful agents
NT: Vaccination

RT: Bacterial diseases
Immunity
Immunology
Protozoan diseases
Viral diseases

Immunoassays

NT: Enzyme-linked
immunosorbent assay
RT: Bioassays
Immunity

Immunocontraception

SN: Use of the body's natural
immune defence mechanisms to
control or prevent conception
and pregnancy by triggering an
antibody response to the species
own sex cells (i.e. to render the
organism infertile)
BT: Contraception
RT: Defence mechanisms
Fecundity
Sexual maturity
Sexual reproduction

Immunofluorescence

RT: Fluorescence

Immunology

RT: Allergic reactions
Antibodies
Biomarkers
Diseases
Immunity
Immunization
Immunoprecipitation
Medicine
Serological studies
Therapy
Toxicity

Immunoprecipitation

RT: Antibodies
Antigens
Immunology
Vaccination
Vaccines

Impact (waves)

USE: **Wave forces**

Impacts

USE: **Collisions**

Impaling gear

USE: **Wounding gear**

Impedance

NT: Acoustic impedance
Electric impedance

Impingement

SN: Trapping of aquatic
organisms by power plant
screens
UF: Fish impingement

Power plant impingement

RT: Entrainment

Implosions

RT: Explosions
High pressure effects

Imports

USE: **Trade**

Imposex

SN: Development of male sex
organs on the female
RT: Animal reproductive organs
Hermaphroditism

Impounding lakes

USE: **Water reservoirs**

Impoundments

RT: Dams
Lakes

Impressed currents

BT: Electric currents
RT: Cathodic protection

Imprinting

SN: A learning process in animals,
especially birds
UF: Odour imprinting
BT: Learning behaviour
RT: Aquatic birds

Improved products

USE: **New products**

In situ density

BT: Water density
RT: In situ measurements
In situ temperature
Potential density
Salinity
Sigma-T
Thermoelectric anomalies
Water masses

In situ instrumentation

USE: **In situ measurements**

In situ measurements

UF: In situ instrumentation
RT: In situ density
In situ temperature

In situ temperature

BT: Water temperature
RT: In situ density
In situ measurements
Sigma-T

Inbreeding

SN: Breeding within the
descendants of a foundation
stock of related animals
BT: Breeding

Incentives

SN: Something, such as the fear of
punishment or the expectation of
reward, that induces action or
motivates effort
RT: Fishery economics
Fishery management
Production management
Subsidies

Incineration

UF: Incinerators
RT: Waste disposal

Incinerators

USE: **Incineration**

Inclinometers

USE: **Slope indicators**

Incubation

UF: Incubation time
RT: Eggs
Hatcheries
Hatching
Incubators

Incubation time

USE: **Incubation**

Incubators

RT: Hatching
Incubation

Indicator organisms

USE: **Indicator species**

Indicator species

SN: Organisms or species used to
indicate current patterns, water
masses or environmental
changes
UF: Bioindicator organisms
Bioindicators
Biological indicators
Indicator organisms
BT: Species
RT: Coliforms
Indicators
Salinity tolerance
Temperature tolerance
Test organisms

Indicators

NT: Pollution indicators
RT: Indicator species

Indigenous fishing

SN: Fishing undertaken by
peoples native to a land or
region
UF: Aboriginal fishing
Native fishing
BT: Fishing
RT: Artisanal fishing

Indigenous knowledge

SN: Local knowledge that is unique to a given culture or society. Before 2016, search FISHERY MANAGEMENT + SOCIOLOGICAL ASPECTS
UF: Local knowledge
Traditional ecological knowledge
Traditional knowledge
RT: Education
Fishery management

Indigenous species

USE: **Natural populations**

Indium

BT: Heavy metals

Individual fishing quotas

USE: **Individual transferable quotas**

Individual transferable quotas

SN: A right to harvest a particular amount of resources, that can be transferred, e.g. by sale, lease, or will. A type of quota (a part of a Total Allowable Catch) allocated to individual fishermen or vessel owners and which can be sold to others. Before 2016, search QUOTA REGULATIONS + TOTAL ALLOWABLE CATCH + PROPERTY RIGHTS
UF: IFQs
Individual fishing quotas
ITQs
RT: Fishery management
Property rights
Quota regulations
Resource depletion
Resource management
Total allowable catch

Indoles

BT: Bioactive compounds

Induced breeding

SN: Spawning or breeding under artificial conditions using physiological techniques and/or biological products
UF: Artificial fecundation
Artificial spawning
Hypophysation
Induced ovulation
Induced spawning
BT: Breeding
RT: Aquaculture techniques
Gonadosomatic index

Induced ovulation

USE: **Induced breeding**

Induced spawning

USE: Induced breeding

Industrial effluents

USE: **Industrial wastes**

Industrial fish

USE: **Trash fish**

Industrial fisheries

SN: Capital-intensive fisheries with high production capacity and relatively high catch per unit effort. Characterized by relatively large vessels, high degree of mechanization, advanced fish finding or navigational equipment. In some areas of the world, the term is synonymous with fisheries for species that are used for reduction to fishmeal and fish oil
BT: Fisheries
RT: Commercial fishing
Factory ships
Fishery industry
High seas fisheries

Industrial land use

USE: **Land use**

Industrial pollution

BT: Pollution
RT: Industrial wastes
Pollution control
Pollution detection
Pollution effects
Pollution legislation
Pollution monitoring
Pollution surveys
Pollution tolerance

Industrial production

UF: Production (industrial)
RT: Industrial products
Industries
Production cost
Production management

Industrial products

BT: Products
RT: Byproducts
Industrial production
Industries
New products

Industrial products statistics

SN: Restricted to statistics of processed products derived from fishery industry
UF: Commodity statistics
Fishery products statistics
BT: Fishery statistics

Industrial wastes

SN: Before 1982 for non-organic domestic wastes search also

DOMESTIC WASTES

UF: Industrial effluents
BT: Wastes
NT: Bleaching wastes
RT: Chemical pollutants
Hazardous materials
Industrial pollution
Industries
Oil wastes
Phenols
Sewage
Urban watersheds
Waste water

Industrialization

RT: Industries

Industries

SN: Use of a more specific term is recommended
UF: Industry
NT: Aquaculture enterprises
Diving industry
Fishery industry
Forest industry
Mineral industry
Oil and gas industry
Seaweed industry
RT: Industrial production
Industrial products
Industrial wastes
Industrialization

Industry

USE: **Industries**

Inert gases

USE: **Rare gases**

Inertia

UF: Inertial forces
RT: Forces
Froude number
Inertial oscillations
Inertial waves
Motion
Rossby number

Inertial currents

BT: Water currents

Inertial forces

USE: **Inertia**

Inertial guidance

RT: Inertial navigation

Inertial navigation

BT: Navigation
Position fixing
RT: Celestial navigation
Dead reckoning
Inertial guidance
Navigation under ice
Navigation underwater

Inertial oscillations

RT: Inertia
Inertial waves

Inertial waves

UF: Gyroscopic waves
BT: Water waves
RT: Inertia
Inertial oscillations

Infections

USE: **Infectious diseases**

Infectious diseases

UF: Biotic diseases
Communicable diseases
Contagious diseases
Infections
BT: Diseases
NT: Bacterial diseases
Fungal diseases
Parasitic diseases
Protozoan diseases
Septicaemia
Viral diseases
RT: Epidemics
Epidemiology
Microbiology
Vaccination
Viral replication

Infestation

RT: Pest control
Pesticides
Post harvest losses

Infinitesimal waves

USE: **Linear waves**

Inflatable craft

BT: Surface craft
RT: Lifeboats

Inflow

SN: Component of water budget
of a body of water
NT: River discharge
RT: Outflow
Water budget
Water exchange

Influents

RT: Effluents

Information analysis services

USE: **Information services**

Information centres

SN: Before 1995 search also
DATA CENTRES
UF: Data centres
BT: Organizations
NT: Libraries
Museums
Warning services
RT: Information handling
Information retrieval

Information services

Internet

Information handling

SN: Control of literature and
information
RT: Information centres
Information systems
Social media

Information retrieval

SN: Location of required
information previously classified
and stored. Before 1995 search
also DATA RETRIEVAL
UF: Data retrieval
RT: Information centres
Information systems
Internet
Online instruction

Information scientists

UF: Information specialists
BT: Scientific personnel
RT: Archivists
Librarians

Information services

UF: Documentation services
Information analysis services
RT: Information centres
Information systems
Online instruction

Information specialists

USE: **Information scientists**

Information systems

NT: Decision support systems
GIS
Information technology
RT: Information handling
Information retrieval
Information services
Online instruction
Social media

Information technology

BT: Information systems

Infrared detectors

BT: Radiometers
RT: Infrared imagery
Infrared radiation
Lasers
Remote sensing

Infrared imagery

UF: Infrared sensing
IR imagery
Thermal imagery
Thermal infrared imagery
Thermal IR imagery
BT: Imagery
RT: Infrared detectors
Infrared radiation
Satellite mosaics

Satellite sensing
Infrared radiation

BT: Electromagnetic radiation
RT: Infrared detectors
Infrared imagery
Solar radiation
Terrestrial radiation

Infrared sensing

USE: **Infrared imagery**

Infrared spectroscopy

BT: Spectroscopic techniques

Ingestion

RT: Animal nutrition
Biological uptake
Digestion

Inhibitors

SN: Chemicals used to slow down
reactions
BT: Agents
NT: Enzyme inhibitors
RT: Anaesthetics
Catalysts
Drugs
Growth regulators

Initial value problems

USE: **Boundary value problems**

Injection temperature

USE: **Intake temperature**

Injuries

SN: Used for injuries to man or
animals. Before 1986 search
also WOUNDS
UF: Fishing injuries
Wounds
RT: Accidents
Hazards
Lesions
Necroses

Injurious organisms

USE: **Noxious organisms**

Inland fisheries

BT: Fisheries
NT: Lagoon fisheries
Lake fisheries
Reservoir fisheries
River fisheries
Swamp fisheries
RT: Freshwater fish

Inland lagoons

UF: Freshwater lagoons
BT: Inland waters
Lagoons
RT: Lentic environment

Inland seas

SN: Use for Great Lakes, Caspian,

Aral Sea and other large inland
bodies of water
BT: Inland waters
RT: Lakes

Inland water aquaculture
USE: **Freshwater aquaculture**

Inland water environment

UF: Freshwater environment
BT: Aquatic environment
NT: Lentic environment
Lotic environment
RT: Brackishwater environment
Eutrophic waters
Freshwater ecology
Freshwater fish
Hyporheic zone
Inland waters

Inland waters

SN: Use of a more specific term is
recommended
UF: Inland waterways
BT: Water bodies
NT: Canals
Headwaters
Inland lagoons
Inland seas
Lakes
Ponds
Rivers
Water reservoirs
Wetlands
RT: Ephemeral water bodies
Hydrosphere
Inland water environment
Intermittent water bodies

Inland waterways
USE: **Inland waters**

Inlets (waterways)

BT: Coastal inlets
RT: Bays
Canals
Channels
Estuaries
Fjords

Innate immunity
USE: **Immunity**

Innovation processes
USE: **Technology transfer**

Innovations

SN: A good, service, procedure,
method, or practice that is new
or significantly improved
NT: Technology transfer

Inorganic acids

BT: Acids
Hydrogen compounds
NT: Boric acid
Chloric acid

Nitric acids
Phosphoric acid
Silicic acid
Sulphuric acid
RT: Chemical compounds
Inorganic compounds
Organic acids

Inorganic carbon

BT: Carbon
Inorganic matter
NT: Dissolved inorganic carbon

Inorganic compounds

BT: Chemical compounds
RT: Inorganic acids
Inorganic matter

Inorganic matter

NT: Dissolved inorganic matter
Inorganic carbon
Suspended inorganic matter
RT: Inorganic compounds

Inorganic suspended matter
USE: **Suspended inorganic
matter**

Insect eggs

BT: Eggs
RT: Aquatic insects
Insect larvae
Nymphs

Insect larvae

BT: Invertebrate larvae
NT: Instars
Nymphs
Pupae
RT: Aquatic insects
Insect eggs

Insecticide resistance

BT: Pesticide resistance
RT: Defence mechanisms
Herbicide resistance
Herbicides
Insecticides
Pest control

Insecticides

BT: Pesticides
RT: Aldrin
Dieldrin
Herbicide resistance
Insecticide resistance
Lindane
PCB
Pesticide resistance
Repellents

Insects (aquatic)
USE: **Aquatic insects**

Inshore currents
USE: **Nearshore currents**

Inshore stations

UF: Shore stations
BT: Fixed stations
RT: Lightships

Inshore waters
USE: **Coastal waters**

Insolation

RT: Cloud cover
Solar radiation

Insonification

SN: Irradiation by acoustic waves
UF: Irradiation (acoustic waves)
RT: Active sonar
Sonar imagery
Sonographs
Sound

Inspection

UF: Examinations
Inspectors
NT: Fish inspection
Underwater inspection
Visual inspection
X-ray inspection
RT: Acceptability
Detection
Food traceability
Identification
Maintenance and repair
Monitoring
Quality control
Testing

Inspectors
USE: **Inspection**

Instability

UF: Dynamic instability
NT: Baroclinic instability
Barotropic instability
Benjamin Feir instability
Double diffusive instability
Kelvin-Helmholtz instability
Static instability
RT: Capsizing
Richardson number
Stability
Unsteady state

Installation

SN: Before 1984 search also
INSTALLING
UF: Installing
BT: Construction
RT: Removal

Installing
USE: **Installation**

Instars

BT: Insect larvae

Instinct

RT: Behaviour
Biological properties

Institutional resources

BT: Resources
RT: Organizations

Institutions (financial)

USE: **Financial institutions**

Institutions (research)

USE: **Research institutions**

Instrument carriers

USE: **Instrument platforms**

Instrument depth measurement

BT: Depth measurement
RT: Instruments

Instrument handbooks

USE: **Manuals**

Instrument platforms

UF: Instrument carriers
Observation platforms
Platforms (instrument)
Wave followers
Wave slope followers
NT: Stabilized platforms

Instrument resolutions

USE: **Resolution**

Instrument responses

NT: Dynamic response
RT: Instruments

Instruments

BT: Equipment
NT: Accelerometers
Direction indicators
Free-fall instruments
Gyroscopes
Meteorological instruments
Profilers
RT: Flow cytometry
Instrument depth measurement
Instrument responses
Measuring devices

Instruments (acoustic)

USE: **Acoustic equipment**

Insular slope

USE: **Island slope**

Insulating materials

UF: Insulation
Lagging
BT: Materials
NT: Acoustic insulation
Electrical insulation
Thermal insulation
RT: Asbestos

Insulation

USE: **Insulating materials**

Insulin

SN: Before 1982 search
HORMONES
BT: Hormones
RT: Pancreas
Proteins

Insurance

UF: Marine insurance
RT: Financing
Liability
Risks

Intake temperature

UF: Injection temperature
BT: Surface temperature

Integral equations

BT: Equations
RT: Differential equations
Nonlinear equations
Numerical analysis

Integrated agriculture

USE: **Agropisciculture**

Integrated coastal zone management

SN: The process of combining all aspects of the human, physical and biological aspects of the coastal zone within a single management framework
UF: ICZM
BT: Coastal zone management

Integumentary system

BT: Anatomical structures
NT: Feathers
RT: Epithelia
Scales

Intensive aquaculture

USE: **Intensive culture**

Intensive culture

UF: Intensive aquaculture
BT: Aquaculture techniques
RT: Cage culture
Fish culture
Hybrid culture
Monosex culture
Polyculture
Raceway culture
Selective breeding
Shellfish culture
Silo culture

Intentional inundation

USE: **Flooding**

Inter-arc basins

USE: **Marginal basins**

Interactions

NT: Air-sea interaction
Tide-surge interaction

Wave interactions

Interbreeding

USE: **Hybridization**

Intercalibration

BT: Calibration
RT: Intercomparison
Performance assessment

Intercomparison

RT: Intercalibration
Performance assessment
Standardization
Testing

Interdependent species

USE: **Associated species**

Interface phenomena

SN: Interface strata and their phenomena
NT: Frontogenesis
RT: Dead water
Energy budget
Interfaces
Interfacial waves
Salt fingers
Surface properties
Surface tension

Interfaces

NT: Air-ice interface
Air-water interface
Density interfaces
Ice-oil interface
Ice-water interface
Oil-gas interface
Oil-water interface
Sediment-water interface
RT: Boundaries
Boundary layers
Discontinuity layers
Fronts
Hyporheic zone
Interface phenomena
Mixing processes
Surfaces

Interfacial tension

USE: **Surface tension**

Interfacial waves

RT: Interface phenomena
Internal waves
Surface water waves

Interferometry

BT: Analytical techniques

Interglacial periods

RT: Deglaciation
Palaeoclimate
Pleistocene

Intermediate fishing

SN: Fishing carried out in a fish

pond during growing season to decrease the density of a stock or to obtain marketable fish
BT: Fishing

Intermediate hosts
USE: **Hosts**

Intermediate water masses

BT: Water masses
RT: Metalimnion
Thermal stratification

Intermittent lakes

SN: Intermittent (or temporary) lakes dry out every year or at least twice every five years. The extent of intermittent lakes is increasing because of increasing water demand combined with global warming
UF: Temporary lakes
BT: Intermittent water bodies
RT: Ephemeral lakes
Intermittent rivers

Intermittent rivers

SN: Intermittent (or temporary) streams and rivers cease to flow every year or at least twice every five years. The extent of temporary rivers is increasing, as many formerly perennial rivers are becoming temporary because of increasing water demand, particularly for irrigation
UF: Intermittent streams
Temporary rivers
BT: Intermittent water bodies
RT: Ephemeral streams
Intermittent lakes
Intermittent springs

Intermittent springs

SN: Intermittent springs are springs which flow at intervals, not apparently dependent upon rain or drought. They probably owe their intermittent action to their being connected with natural reservoirs in hills or mountains by passages having the form of a siphon
BT: Intermittent water bodies
RT: Ephemeral springs
Intermittent rivers
Water springs

Intermittent streams
USE: **Intermittent rivers**

Intermittent water bodies

SN: Intermittent water bodies dry out either once a year (seasonal) or at least twice within five years

UF: Seasonal water bodies
BT: Temporary water bodies
NT: Intermittent lakes
Intermittent rivers
Intermittent springs
RT: Ephemeral water bodies
Inland waters
Water bodies

Internal fertilization
USE: **Biological fertilization**

Internal gravity waves
USE: **Internal waves**

Internal tides

UF: Baroclinic tides
BT: Internal waves
RT: Baroclinic mode
Baroclinic motion

Internal wave breaking

BT: Wave breaking
RT: Internal waves
Trans-isopycnal mixing

Internal wave effects

RT: Dead water
Sound propagation

Internal wave generation

BT: Wave generation
RT: Internal waves
Surface wave-internal wave interactions

Internal waves

UF: Internal gravity waves
BT: Water waves
NT: Internal tides
Lee waves
RT: Billows
Directional spectra
Interfacial waves
Internal wave breaking
Internal wave generation
Nonlinear waves
Resonant wave interaction
Surface wave-internal wave interactions

International agencies
USE: **International organizations**

International agreements

UF: Conventions
Treaties
BT: Agreements
NT: Bilateral agreements
Pollution convention
Seabed conventions
United Nations Convention on Law of the Sea
United Nations Fish Stock Agreement
RT: Fishery agreements
International law

International policy
Legislation
Protocols
Whaling regulations

International allocation
USE: **Allocation systems**

International boundaries

UF: Frontiers (national)
National boundaries
BT: Boundaries
RT: Territorial waters

International case law
USE: **International law**

International cooperation

SN: Including exchange of information and technical aid
UF: International exchange
International relations
RT: Development projects
Fishery aid
International organizations
International policy
Technology transfer

International exchange
USE: **International cooperation**

International expeditions
USE: **Multiship expeditions**

International joint ventures
USE: **Joint ventures**

International law

UF: International case law
NT: Law of the sea
RT: Disputes
Human trafficking
International agreements
Soft law

International law of the sea
USE: **Law of the sea**

International organisations
USE: **International organizations**

International organizations

UF: International agencies
International organisations
BT: Organizations
RT: International cooperation
International policy

International policy

UF: Policy (international)
BT: Policies
RT: International agreements
International cooperation
International organizations

International relations
USE: **International cooperation**

International sea area
USE: **International waters**

International trade
USE: **Trade**

International waters
UF: International sea area
BT: Ocean space
RT: High seas

Internet
SN: Interconnected system of networks that connects computers around the world via the TCP/IP protocol.
UF: World Wide Web
WWW
BT: Communication systems
RT: Computers
Information centres
Information retrieval
Online instruction
Social media
Telephone systems

Internet training
USE: **Online instruction**

Interocean canals
BT: Canals
RT: Ship canals

Interoceptors
USE: **Receptors**

Interspecific interactions
USE: **Interspecific relationships**

Interspecific relationships
UF: Interspecific interactions
NT: Commensalism
Competition
Epibiosis
Parasitism
Predation
Symbiosis
RT: Associated species
Behaviour
Biological phenomena
Biotic factors
Intraspecific relationships
Segregation
Stable isotopes
Trophic relationships

Interstitial environment
BT: Aquatic environment
RT: Benthic environment
Benthos
Hyporheic zone
Pore water

Interstitial water
USE: **Pore water**

Intertidal environment
UF: Tidal environment
BT: Marine environment
RT: Air exposure
Beaches
Benthic environment
Ecological zonation
Eulittoral zone
Exposed habitats
Intertidal sedimentation
Tidal flats
Tidal pools
Tidal waves

Intertidal flats
USE: **Tidal flats**

Intertidal sedimentation
BT: Sedimentation
RT: Estuarine sedimentation
Intertidal environment
Nearshore sedimentation
Tidal deposits
Tidal flats

Intertidal zonation
USE: **Ecological zonation**

Intertropical convergence zone
BT: Atmospheric convergences
Convergence zones
RT: Equatorial trough

Intestines
BT: Alimentary organs
RT: Cloaca
Pyloric caeca

Intraspecific relationships
UF: Intraspecific selection
RT: Associated species
Behaviour
Biological phenomena
Interspecific relationships
Segregation
Stable isotopes
Trophic relationships

Intraspecific selection
USE: **Intraspecific relationships**

Introduced species
SN: Establishment in a new geographical area by migration or artificial transportation
UF: Alien species
Exotic species
Non-indigenous species
Non-native species
Nonindigenous species
BT: Species
NT: Invasive species
RT: Ballast
Biosecurity
Colonies
Colonization
Domestic species

Endemic species
Transplantation

Intrusions (igneous)
USE: **Igneous intrusions**

Inundation
USE: **Flooding**

Inundation (irrigation)
USE: **Irrigation**

Invasive organisms
USE: **Invasive species**

Invasive species
SN: An alien or introduced species whose introduction does or is likely to cause economic or environmental harm or harm to human health
UF: Invasive organisms
Nuisance species
BT: Introduced species
RT: Ballast

Inventories
UF: Data catalogues
BT: Catalogues
RT: Data collections

Inversion layers
USE: **Inversions**

Inversions
UF: Inversion layers
NT: Temperature inversions
RT: Layers

Invertebrate larvae
SN: Use of a more specific term is recommended
BT: Larvae
NT: Crustacean larvae
Insect larvae
Molluscan larvae

Invertebrate roe
USE: **Roes**

Invertebrate zoology
BT: Zoology
NT: Carcinology
Entomology
Malacology
RT: Brackishwater invertebrates
Freshwater invertebrates
Marine invertebrates

Investment management
USE: **Financial management**

Investments
UF: Capital investments
RT: Financing
Private sector
Return on investment

Iodates

BT: Iodine compounds

Iodides

BT: Iodine compounds

RT: Halides

Iodinated hydrocarbons

BT: Hydrocarbons

Iodine compounds

NT: Iodomethane

Iodine

BT: Halogens

RT: Iodine compounds

Iodine isotopes

Iodine compounds

BT: Halogen compounds

NT: Iodates

Iodides

Iodinated hydrocarbons

Iodophors

RT: Iodine

Iodine isotopes

BT: Isotopes

RT: Iodine

Iodomethane

BT: Iodinated hydrocarbons

Iodophors

SN: A complex of iodine and a surface-active agent that releases iodine gradually and serves as a disinfectant

BT: Iodine compounds

RT: Disinfectants

Fish eggs

Hatcheries

Ion accumulation

UF: Accumulation of ions

BT: Accumulation

RT: Ion exchange

Ion transport

Ions

Osmoregulation

Ion association

RT: Chemical reactions

Ions

Ion channels

SN: Pore-forming proteins (present in the membranes of all biological cells) that help establish the small voltage gradient that exists across the membrane of all living cells by allowing the flow of ions down their electrochemical gradient.

BT: Cell membranes

Ion exchange

UF: Anion exchange

Cation exchange

BT: Separation processes

RT: Biological membranes

Chemical reactions

Demineralization

Diffusion

Ion accumulation

Ion transport

Water purification

Water treatment

Ion pairs

RT: Ions

Ion pumps

USE: **Ion transport**

Ion selective electrode analysis

BT: Analytical techniques

Ion transport

UF: Ion pumps

RT: Biological membranes

Diffusion

Electrolysis

Ion accumulation

Ion exchange

Ions

Osmoregulation

Ionizing radiation

BT: Radiations

NT: Cosmic radiation

Nuclear radiations

RT: Irradiation

Radioactivity

Sterilization

Ionosphere

BT: Upper atmosphere

RT: Atmospheric electricity

Stratosphere

Ions

NT: Anions

Cations

Hydrogen ions

Metal ions

RT: Exchange capacity

Hydrates

Ion accumulation

Ion association

Ion pairs

Ion transport

Ligands

Osmoregulation

IR imagery

USE: **Infrared imagery**

Iridium

BT: Heavy metals

RT: Iridium isotopes

Iridium isotopes

BT: Isotopes

RT: Iridium

Iron

BT: Heavy metals

Transition elements

RT: Ferromanganese nodules

Ferromanganese oxides

Iron compounds

Iron isotopes

Ironstone

Metalliferous sediments

Iron compounds

UF: Ferric compounds

Ferrous compounds

BT: Chemical compounds

NT: Iron oxides

Iron phosphates

Iron silicates

Iron sulphides

RT: Iron

Iron isotopes

BT: Isotopes

RT: Iron

Iron oxides

BT: Iron compounds

Oxides

RT: Haematite

Magnetite

Iron phosphates

UF: Ferric phosphate

BT: Iron compounds

Phosphates

Iron silicates

BT: Iron compounds

Silicates

Iron sulphides

BT: Iron compounds

Sulphides

Ironstone

BT: Authigenic minerals

RT: Ferruginous deposits

Iron

Sedimentary rocks

Irradiance

SN: Flux density of radiant energy in water

NT: Downward irradiance

Upward irradiance

RT: Cosine collectors

Irradiance meters

Light

Light fields

Optical classification

Optical properties

Optical water types

Radiance

Radiative transfer

Solar radiation

Volume scattering function

Irradiance meters

BT: Light measuring instruments
RT: Irradiance
Quanta meters

Irradiation

UF: Irradiation (fishery products)
RT: Ionizing radiation
Radiochemistry
Radiography

Irradiation (acoustic waves)
USE: **Insonification**

Irradiation (fishery products)
USE: **Irradiation**

Irregular waves

BT: Water waves

Irrigation

UF: Flooding (irrigation)
Inundation (irrigation)
RT: Agriculture
Irrigation water
Water rights

Irrigation canals
USE: **Canals**

Irrigation water

BT: Water
RT: Irrigation
Riparian rights
Water policy
Water reservoirs
Water rights

Irrotational flow
USE: **Potential flow**

Isentropic analysis
USE: **Analytical techniques**

Island arcs

UF: Arcs (island)
RT: Continental margins
Continents
Converging plate boundaries
Forearc basins
Islands
Marginal basins
Oceanic trenches
Plate convergence
Subduction
Volcanic islands
Volcanism

Island slope

UF: Insular slope
BT: Slopes (topography)
Submarine features
RT: Continental slope
Islands

Islands

BT: Landforms

NT: Atolls

Barrier islands
Cays
Oceanic islands
RT: Archipelagoes
Artificial islands
Ice islands
Island arcs
Island slope

Isobaric surfaces

BT: Surfaces
RT: Baroclinic mode
Barotropic mode
Dynamic height anomaly
Dynamic topography
Hydrostatic pressure
Isopycnic surfaces
Level of no motion
Pressure field

Isobars

USE: **Isopleths**

Isobaths

UF: Depth contours
BT: Contours
RT: Bathymetric charts
Bathymetry
Bottom topography
Water depth

Isodynamic enzymes
USE: **Enzymes**

Isoenzymes

UF: Isozymes
BT: Enzymes

Isohalines

BT: Isopleths
RT: Environmental charts
Halocline
Mixed layer
Salinity
Salinity charts
Salinity sections

Isohyets

USE: **Isopleths**

Isolating mechanisms

SN: Methods that prevent
breeding between populations,
so that the genes of each do not
mix
NT: Genetic isolation
Geographical isolation
Sexual isolation
RT: Biological speciation
Population genetics

Isolation (genetics)
USE: **Genetic isolation**

Isolation (geographical)
USE: **Geographical isolation**

Isolation (sexual)
USE: **Sexual isolation**

Isolines
USE: **Isopleths**

Isomerases

BT: Enzymes

Isomerization

BT: Chemical reactions

Isopach maps

BT: Geological maps
RT: Stratigraphy

Isopachs

USE: **Isopleths**

Isopleths

UF: Coamplitude lines
Corange lines
Isobars
Isohyets
Isolines
Isopachs
BT: Map graphics
NT: Contours
Cotidal lines
Isohalines
Isopycnics
Isotherms
RT: Graphs

Isopycnic surfaces

BT: Surfaces
RT: Baroclinic mode
Barotropic mode
Isobaric surfaces
Isopycnics
Water density

Isopycnics

BT: Isopleths
RT: Density charts
Density fronts
Isopycnic surfaces
Pycnocline
Specific volume
Water density

Isostasy

UF: Compensation depth
(isostasy)
Isostatic adjustment
Isostatic compensation
Isostatic equilibrium
BT: Crustal adjustment
RT: Asthenosphere
Earth crust
Equilibrium
Geodesy
Vertical tectonics

Isostatic adjustment
USE: **Isostasy**

Isostatic compensation

USE: **Isostasy**

Isostatic equilibrium

USE: **Isostasy**

Isostatic sea level

BT: Sea level

RT: Steric sea level

Isothermal processes

NT: Adiabatic processes

RT: Thermodynamics

Thermosteric anomalies

Isotherms

UF: Temperature contours

BT: Isopleths

RT: Air temperature

Environmental charts

Temperature charts

Temperature sections

Thermocline

Water temperature

Isotope dating

USE: **Radiometric dating**

Isotope dilution

BT: Tracer techniques

RT: Isotopes

Isotope fractionation

RT: Isotopes

Stable isotopes

Isotopes

UF: Nuclides

NT: Americium isotopes

Antimony isotopes

Argon isotopes

Barium isotopes

Beryllium isotopes

Bismuth isotopes

Boron isotopes

Bromine isotopes

Cadmium isotopes

Caesium isotopes

Calcium isotopes

Californium isotopes

Carbon isotopes

Cerium isotopes

Chlorine isotopes

Chromium isotopes

Cobalt isotopes

Curium isotopes

Europium isotopes

Gadolinium isotopes

Germanium isotopes

Hafnium isotopes

Helium isotopes

Hydrogen isotopes

Iodine isotopes

Iridium isotopes

Iron isotopes

Krypton isotopes

Lanthanum isotopes

Lead isotopes

Lithium isotopes

Magnesium isotopes

Manganese isotopes

Mercury isotopes

Molybdenum isotopes

Neodymium isotopes

Neon isotopes

Neptunium isotopes

Nickel isotopes

Niobium isotopes

Nitrogen isotopes

Osmium isotopes

Oxygen isotopes

Palladium isotopes

Phosphorus isotopes

Plutonium isotopes

Polonium isotopes

Potassium isotopes

Protactinium isotopes

Radioisotopes

Radium isotopes

Radon isotopes

Rhenium isotopes

Rubidium isotopes

Ruthenium isotopes

Samarium isotopes

Scandium isotopes

Selenium isotopes

Silicon isotopes

Silver isotopes

Sodium isotopes

Stable isotopes

Strontium isotopes

Sulphur isotopes

Technetium isotopes

Tellurium isotopes

Thorium isotopes

Uranium isotopes

Xenon isotopes

Ytterbium isotopes

Yttrium isotopes

Zinc isotopes

Zirconium isotopes

RT: Chemical elements

Chemical fingerprinting

Fission products

Isotope dilution

Isotope fractionation

Radiometric dating

Tracers

Isotopic labelling

USE: **Radioactive labelling**

Isotropic materials

BT: Materials

RT: Anisotropy

Isotropy

Isotropic turbulence

USE: **Turbulence**

Isotropy

RT: Anisotropy

Isotropic materials

Orientation

Isozymes

USE: **Isoenzymes**

ITQs

USE: **Individual transferable quotas**

Jack fisheries

USE: **Carangid fisheries**

Jackets

USE: **Piled platforms**

Jackup platforms

SN: Towed or self-propelled
platforms supportable on
extending legs

BT: Mobile platforms

RT: Submersible platforms

Jellyfish blooms

BT: Blooms

RT: Gelatinous zooplankton

Jet stream

UF: Polar front jet stream

Subtropical jet stream

RT: Jets

Planetary waves

Troposphere

Jets

UF: Turbulent jets

BT: Fluid flow

NT: Buoyant jets

Coastal jets

RT: Jet stream

Jetsam

USE: **Flotsam**

Jetties

USE: **Port installations**

Jigging

BT: Line fishing

RT: Handlining

Joint ventures

SN: Enterprises owned jointly by
interests of different
nationalities

UF: International joint ventures
Partnerships

Public-private partnerships

RT: Bilateral agreements

Joints

UF: Nodes

RT: Node construction

Jurassic

SN: Before 1982 search

JURASSIC PERIOD

BT: Mesozoic

Jurisdiction

UF: Federal jurisdiction
State jurisdiction
NT: Extended jurisdiction
RT: Legislation
Rights

Juveniles

UF: Elvers
Parrs
Post larvae
BT: Developmental stages
NT: Pups
Smolts
RT: Children

Kainite

BT: Sulphate minerals

Kalman filters

BT: Filters

Kamaboko

USE: **Minced products**

Kaolin

BT: Clay minerals
RT: Clays
Kaolinite

Kaolinite

BT: Clay minerals
RT: Kaolin

Karokinesis

USE: **Mitosis**

Karst

SN: A geological formation shaped by dissolution of rock leading to the development of subterranean channels through which groundwater flows in conduits (enclosed or semi-enclosed channels)
UF: Karsts
BT: Topographic features
RT: Channels
Dissolution
Ground water
Karst hydrology

Karst hydrology

BT: Hydrology
RT: Geohydrology
Ground water
Karst
Spelaeology

Karsts

USE: **Karst**

Karyological studies

USE: **Karyology**

Karyology

UF: Karyological studies

BT: Cytology

RT: Chromosomes

Meiosis

Mitosis

Nuclei

Karyomites

USE: **Chromosomes**

Karyotypes

RT: Chromosomes

Genomes

Genotypes

Katadromous species

USE: **Catadromous species**

Keel clearance

UF: Under keel clearance

Underkeel clearance

RT: Groundings

Kelps

SN: Brown algae harvested and dried as a source of alginic acid or for animal feeding

UF: Tangle

BT: Seaweeds

RT: Alginates

Holdfasts

Kelt

UF: Spawned salmon

Spawned trout

RT: Developmental stages

Kelvin-Helmholtz billows

USE: **Billows**

Kelvin-Helmholtz instability

UF: Helmholtz instability

Shear flow instability

Shear instability

BT: Instability

RT: Billows

Trans-isopycnal mixing

Kelvin waves

UF: Double kelvin waves

BT: Trapped waves

NT: Equatorial trapped waves

Kerogen

BT: Petroleum hydrocarbons

RT: Oil shale

Organic matter

Ketones

BT: Organic compounds

NT: Acetone

Kettle lakes

USE: **Glacial lakes**

Keys

USE: **Identification keys**

Keys (islands)

USE: **Cays**

Kidneys

SN: Before 1982 search KIDNEY

UF: Nephrons

BT: Excretory organs

RT: Adrenal glands

Urinary system

Urine

Water balance

Kimberlites

RT: Biotite

Conglomerates

Diamonds

Peridotite

Kinematic eddy viscosity

USE: **Eddy viscosity**

Kinematics

BT: Mechanics

RT: Acceleration

Velocity

Kinesis

BT: Orientation behaviour

Kinetic energy

BT: Energy

NT: Eddy kinetic energy

RT: Drag coefficient

Froude number

Green energy

Potential energy

Kinetics

BT: Mechanics

NT: Chemical kinetics

Radionuclide kinetics

Kinetics of chemical reactions

USE: **Chemical kinetics**

King crab fisheries

USE: **Crab fisheries**

King mackerel fisheries

USE: **Tuna fisheries**

Knolls (submarine)

USE: **Seaknolls**

Kortweg Devries equation

BT: Equations

Krill fisheries

BT: Crustacean fisheries

RT: Krill products

Pelagic fisheries

Krill meal

USE: **Krill products**

Krill paste

USE: **Krill products**

ASFA THESAURUS

Krill powders
USE: **Krill products**

Krill products
UF: Krill meal
Krill paste
Krill powders
Krill protein concentrates
BT: Processed fishery products
RT: Krill fisheries

Krill protein concentrates
USE: **Krill products**

Kryogenic marking
USE: **Cold branding**

Krypton
BT: Rare gases
RT: Krypton isotopes

Krypton isotopes
BT: Isotopes
RT: Krypton

Kurtosis
RT: Coefficients
Particle distribution
Particle size
Skewness
Statistical analysis

Kyanite
BT: Silicate minerals

Labelling (products)
USE: **Product labelling**

Labelling (radioactive)
USE: **Radioactive labelling**

Labor
USE: **Labour**

Laboratories
RT: Controlled conditions
Laboratory equipment
Research institutions

Laboratory conditions
USE: **Controlled conditions**

Laboratory culture
UF: Biological culture
NT: Cell culture
Microbiological culture
Tissue culture
RT: Controlled conditions
Culture media
Culture tanks
Cultures
Experimental culture

Laboratory equipment
BT: Equipment
NT: Centrifuges

Flumes
Microscopes
RT: Laboratories
Limnological equipment
Measuring devices
Oceanographic equipment
Test equipment
Towing tanks
Wave tanks

Laboratory models
USE: **Scale models**

Laboratory rearing
USE: **Rearing**

Laboratory research
USE: **Experimental research**

Laboratory tests
USE: **Tests**

Labour
UF: Labor
RT: Labour costs
Labour legislation
Personnel

Labour costs
BT: Costs
RT: Labour

Labour legislation
SN: Before 1982 search LABOUR
BT: Legislation
RT: Labour

Lactate
UF: Lactic acid
RT: Organic acids

Lactation
SN: The process of milk
production by the mammary
glands
BT: Secretion
RT: Milk

Lactic acid
USE: **Lactate**

Lacustrine sedimentation
BT: Sedimentation
RT: Anoxic sediments
Lake deposits
Sedimentary environments

Lagging
USE: **Insulating materials**

Lagoon fisheries
BT: Inland fisheries
RT: Artisanal fisheries
Artisanal fishing
Brackishwater fish
Demersal fisheries
Fishing barriers

Lagoons
Shrimp fisheries

Lagoon sedimentation
BT: Sedimentation
RT: Lagoons
Sedimentary environments

Lagoons
BT: Water bodies
NT: Atoll lagoons
Coastal lagoons
Inland lagoons
RT: Backwaters
Barrier reefs
Brackishwater environment
Coral reefs
Lagoon fisheries
Lagoon sedimentation
Shallow water
Valliculture

Lagrangian current measurement
SN: Before 1982 search also
LAGRANGIAN METHODS
(CURRENT MEASUREMENT)
UF: Lagrangian methods (current
measurement)
BT: Current measurement
RT: Data buoys
Drogues
Rhodamine B-dye
Ship drift
Subsurface drifters

Lagrangian drifters
USE: **Drifters**

Lagrangian drifting buoys
USE: **Drifting data buoys**

Lagrangian methods (current
measurement)
USE: **Lagrangian current measurement**

Lake basins
BT: Basins
RT: Catchment area
Lake deposits
Lake morphology
Lakes
River basins
Watersheds

Lake beaches
USE: **Lake shores**

Lake breezes
USE: **Sea breezes**

Lake circulation
USE: **Lake dynamics**

Lake currents

SN: Before 1982 search also
LENITIC CURRENTS
UF: Lenitic currents
BT: Water currents
RT: Bottom currents
Coastal jets
Lake dynamics
Lakes
Longshore currents
Subsurface currents
Surface currents

Lake deposits

RT: Anoxic sediments
Glacial deposits
Lacustrine sedimentation
Lake basins
Lakes
Playas

Lake dynamics

UF: Lake circulation
Reservoir dynamics
BT: Water circulation
RT: Coastal boundary layer
Coastal jets
Flushing time
Lake currents
Nearshore dynamics
Overturn
Physical limnology
Seiches
Surface circulation
Water levels
Wind setup

Lake ecology

USE: **Ecology**

Lake fisheries

BT: Inland fisheries
RT: Artisanal fisheries
Artisanal fishing
Coastal fisheries
Demersal fisheries
Fishery limnology
Reservoir fisheries
Salmon fisheries

Lake ice

BT: Ice
RT: Fast ice
Floating ice
Freshwater ice
Lakes

Lake morphology

BT: Geomorphology
RT: Lake basins
Lakes

Lake reclamation

UF: Reclamation (lakes)
BT: Reclamation
RT: Coastal zone management
Lakes

Shore protection

Lake restoration

BT: Environmental restoration

Lake shores

UF: Lake beaches
RT: Coastal morphology
Lakes
Riparian environments

Lakes

BT: Inland waters
NT: Artificial lakes
Dystrophic lakes
Eutrophic lakes
Freshwater lakes
Glacial lakes
Meromictic lakes
Oligotrophic lakes
Oxbow lakes
Relict lakes
Salt lakes
Strip mine lakes
Tropical lakes
RT: Ephemeral lakes
Impoundments
Inland seas
Lake basins
Lake currents
Lake deposits
Lake ice
Lake morphology
Lake reclamation
Lake shores
Lentic environment
Limnology

Laminar boundary layer

BT: Boundary layers
RT: Laminar flow
Turbulent boundary layer

Laminar flow

UF: Poiseuille flow
BT: Fluid flow
NT: Couette flow
RT: Atmospheric turbulence
Channel flow
Forced convection
Laminar boundary layer
Molecular viscosity
Multiphase flow
Reynolds number
Stratified flow
Turbulent flow
Unsteady flow

Lampara nets

USE: **Surrounding nets**

Lamprey attachment

UF: Attachment (lampreys)
BT: Parasite attachment
RT: Ectoparasites

Land-based litter

USE: **Litter**

Land-based pollution

SN: Use of a more specific term is recommended
UF: Landbased pollution
BT: Pollution
RT: Coastal waters
Coastal zone
Eutrophication
Marine pollution
Turbidity

Land breezes

SN: Blowing from land to sea.
Before 1995 search also LAND
+ SEA BREEZES
BT: Breezes
RT: Sea breezes

Land bridges

RT: Palaeoecology

Land forms

USE: **Landforms**

Land ice

SN: Use of a more specific term is recommended
BT: Ice
NT: Ice caps
RT: Freshwater ice
Permafrost

Land management

BT: Resource management
RT: Agriculture
Catchment area
Coastal zone management
Environment management
Environmental restoration
Land reclamation
Land use
Riparian buffers
Watersheds

Land reclamation

SN: Restoring degraded land or recovering land from the sea
UF: Coastal reclamation
Reclamation (land)
BT: Reclamation
RT: Coastal erosion
Coastal zone management
Land management
Land use
Polders
Wetlands

Land use

UF: Commercial land use
Industrial land use
Land utilization
RT: Best practices
Land management
Land reclamation

Land utilization

USE: **Land use**

Landbased pollution

USE: **Land-based pollution**

Landforms

UF: Land forms

BT: Topographic features

NT: Alluvial fans

Alluvial terraces

Coastal landforms

Coasts

Continents

Flood plains

Islands

Mountains

Oases

Plains

Plateaux

Ridges

Valleys

RT: Erosion features

Hydrogeomorphology

Physiographic provinces

Landing statistics

BT: Fishery statistics

RT: Catch statistics

Fishing time

Stock assessment

Landlocked countries

USE: **Landlocked states**

Landlocked states

UF: Continental nations

Landlocked countries

BT: Countries

RT: Coastal states

Landslides

BT: Geological hazards

Slides

RT: Avalanches

Creep

Retrogradation

Slope stability

Tsunami generation

Langmuir circulation

BT: Fluid motion

RT: Convergence

Divergence

Surface circulation

Surface layers

Vortices

Windrows

Winds

Lanthanides

BT: Rare earths

NT: Cerium

Dysprosium

Erbium

Europium

Gadolinium

Lanthanum

Lutetium

Neodymium

Samarium

Terbium

Ytterbium

Lanthanum

UF: Lanthanum

BT: Lanthanides

RT: Lanthanum isotopes

Lanthanum isotopes

BT: Isotopes

RT: Lanthanum

Lanthanum

USE: **Lanthanum**

Laplace equation

BT: Equations

RT: Harmonic functions

Poisson's equation

Tidal equations

Laplace transformation

USE: **Functional analysis**

Larvae

UF: Larval stages

BT: Developmental stages

NT: Fish larvae

Invertebrate larvae

RT: Embryos

Larval development

Larval settlement

Meroplankton

Neoteny

Seed (aquaculture)

Larvae development

USE: **Larval development**

Larval development

UF: Larvae development

BT: Biological development

RT: Larvae

Metamorphosis

Rearing

Larval settlement

UF: Larval settling

Settlement (larvae)

BT: Biological settlement

RT: Cultch

Larvae

Settling behaviour

Substrate preferences

Larval settling

USE: **Larval settlement**

Larval stages

USE: **Larvae**

Larynx

SN: Before 1982 search

RESPIRATORY ORGANS

BT: Vocal organs

RT: Sound production

Laser altimeters

BT: Altimeters

RT: Laser bathymeters

Laser altimetry

USE: **Altimetry**

Laser bathymeters

BT: Bathymeters

RT: Laser altimeters

Lasers

Remote sensing equipment

Laser bathymetry

USE: **Bathymetry**

Lasers

UF: Optical masers

Pulsed lasers

RT: Electromagnetic radiation

Holography

Infrared detectors

Laser bathymeters

Lidar

Optics

Latent heat of sublimation

USE: **Sublimation heat**

Latent heat of vaporization

USE: **Vaporization heat**

Latent heat transfer

BT: Heat exchange

RT: Bowen ratio

Lateral line

UF: Lateral line system

BT: Sense organs

RT: Mechanical stimuli

Mechanoreceptors

Lateral line system

USE: **Lateral line**

Latitude

BT: Geographical coordinates

NT: Palaeolatitude

RT: Equator

Latitudinal variations

Longitude

Latitude correction

USE: **Gravity corrections**

Latitudinal variations

SN: Variation in the value of some

physical property along a

meridian

BT: Spatial variations

RT: Latitude

Meridional distribution

Lattice charts

USE: **Navigational charts**

Launching

RT: Deployment
Recovery

Lava

BT: Volcanic rocks
NT: Pillow lava
RT: Basalts
Lava flows

Lava flows

RT: Lava
Volcanoes

Law enforcement

USE: Surveillance and enforcement

Law of the sea

SN: National and international laws concerning marine water and its resources. Before 1982 search also SEA LAW

UF: International law of the sea
Ocean law
Sea law

BT: International law

RT: Environmental legislation

Fishery agreements

Ocean policy

Piracy

Regulatory compliance

Seabed conventions

United Nations Convention on

Law of the Sea

United Nations Fish Stock

Agreement

Laws (scientific laws)

USE: **Scientific laws**

Laws (statute law)

USE: **Legislation**

Laws of nature

USE: **Scientific laws**

Laws of science

USE: **Scientific laws**

Layer of no motion

USE: **Level of no motion**

Layers

NT: Boundary layers
Core layers (water)
Discontinuity layers
Seismic layers
Water column

RT: Inversions

Levels

Stratification

Surface films

Surfaces

Leaching

BT: Separation processes

RT: Degradation

Diffusion

Dissolution

Percolation

Permeability

Solubility

Solvent extraction

Weathering

Lead

BT: Heavy metals

RT: Ferromanganese nodules

Lead compounds

Lead isotopes

Metalliferous sediments

Lead 210

BT: Lead isotopes

Lead compounds

BT: Chemical compounds

RT: Lead

Lead isotopes

BT: Isotopes

NT: Lead 210

RT: Lead

Leads

UF: Ice leads

RT: Floating ice

Navigation in ice

Polynyas

Leaf

USE: **Leaves**

Leaf litter

SN: Detritus of leaves

BT: Detritus

RT: Leaves

Leaks

BT: Defects

RT: Seals (stoppers)

Leaks (oil)

USE: **Oil spills**

Learning behaviour

SN: Conditioned response or reflex of aquatic organisms

BT: Behaviour

NT: Imprinting

RT: Stimuli

Leases

RT: Oil and gas exploration

Rental

Least squares method

BT: Approximation

RT: Regression analysis

Leaves

UF: Leaf

BT: Plant organs

RT: Humus

Leaf litter

Photosynthesis

Stomata

Lectins

BT: Bioactive compounds

Lectotype

SN: A specimen designated as the type of a species or subspecies when no holotype was designated at the time of publication

RT: Biological speciation

Holotypes

New taxa

Taxonomy

Typology

Lectures

UF: Talks

RT: Conferences

Publicity material

Lee eddies

SN: Eddies formed on the lee of obstacles. Before 1982 search

EDDIES (LEE)

UF: Eddies (lee)

BT: Eddies

Water motion

RT: Flow around objects

Vortices

Lee waves

UF: Mountain waves

BT: Internal waves

RT: Atmospheric motion

Stratified shear flow

Topographic effects

Legal aspects

SN: Before 1982 search

LEGISLATION

RT: Disputes

Legislation

Political aspects

Rights

Legislation

SN: Enter title of legislation, if reported, in Identifiers field

UF: Clean Water Act

Laws (statute law)

Regulations

NT: Aquaculture regulations

Commercial legislation

Environmental legislation

Fishery industry legislation

Fishery regulations

Labour legislation

Maritime legislation

Mining legislation

Navigation regulations

Oil and gas legislation Quarantine regulations Safety regulations Soft law Water use regulations RT: Fishery agreements Guidelines International agreements Jurisdiction Legal aspects Policies Regulatory compliance Rights	Pelagic environment Ponds Water reservoirs	Geoid Mean sea level
Legs (structural) RT: Structures	Leptocephalus USE: Fish larvae	Levels NT: Reference levels Water levels RT: Layers Surfaces
Leisure activities USE: Recreation	Lesions SN: For either aquatic animals or man UF: Scars RT: Injuries	Lexicons USE: Glossaries
Length BT: Dimensions NT: Fork length Mixing length	Lethal effects RT: Bioaccumulation Biological poisons Biotesting Mortality causes Pollution effects Sublethal effects Toxicity	Liability RT: Insurance
Length-frequency distribution USE: Length frequency	Lethal limits RT: Biological poisons Hazard assessment Limiting factors Pesticides Pollutants Starvation Survival Tolerance Toxicity	Librarians RT: Archivists Data Documentation Information scientists Libraries
Length-weight relationships UF: Size-weight relationships Weight-length relationships BT: Population factors RT: Body shape Body size Body weight Condition factor Fork length Growth curves Size distribution	Lethal mutations USE: Mutations	Libraries BT: Information centres RT: Archives Data collections Librarians
Length frequency SN: An arrangement of recorded lengths (in a total catch, a stock, or a sample) which indicates the number of individuals encountered in each length interval. UF: Length-frequency distribution BT: Population structure	Leucine BT: Amino acids	Licences NT: Concessions Permits RT: Licensing
Lenitic currents USE: Lake currents	Leucocytes USE: Leukocytes	Licensing RT: Licences
Lenitic environment USE: Lentic environment	Leukocytes UF: Leucocytes BT: Blood cells RT: Haemolymph	Lidar UF: Coherent Light Detection and Ranging RT: Hygrometry Lasers Meteorological instruments Radar Remote sensing equipment Sodar
Lentic environment SN: Before 2016 search also LENTIC ENVIRONMENT UF: Lenitic environment BT: Inland water environment RT: Benthic environment Euphotic zone Inland lagoons Lakes Lotic environment Marshes	Levees BT: Embankments RT: Alluvial deposits Flood plains Fluvial features River banks Seachannels	Life cycle SN: Morphological changes and growth from egg to adult stages BT: Cycles RT: Biological age Biological aging Biological development Developmental stages Differential distribution Gametophytes Glochidia Life history Longevity Metamorphosis Ontogeny Reproductive cycle Sexual maturity
	Level of no motion UF: Layer of no motion Surface of no motion BT: Reference levels RT: Geostrophic flow Geostrophic method Isobaric surfaces	Life history SN: Taxonomic, biological and ecological studies of a species
	Levelling RT: Bench marks Datum levels Geodesy	

RT: Autecology
Biological traits
Biology
Life cycle

Life jackets

RT: Life saving equipment
Survival at sea

Life saving equipment

RT: Life jackets
Life support systems
Lifeboats
Safety devices

Life sciences (agriculture)

USE: **Agriculture**

Life sciences (biology)

USE: **Biology**

Life sciences (medicine)

USE: **Medicine**

Life span

USE: **Longevity**

Life support systems

UF: Atmosphere (life support)
NT: Breathing apparatus
RT: Diving equipment
Life saving equipment
One-atmosphere systems
Umbilicals

Lifeboats

UF: Liferrafts
Rafts (life)
Survival capsules
BT: Boats
RT: Inflatable craft
Life saving equipment
Safety devices
Survival at sea

Liferafts

USE: **Lifeboats**

Lift-nets

UF: Scooping gear
BT: Fishing nets

Lifting

UF: Hoisting
Loading (operation)
RT: Lifting tackle
Port operations

Lifting gear

USE: **Lifting tackle**

Lifting tackle

UF: Lifting gear
BT: Deck equipment
NT: Cranes
Davits
Winches

RT: Lifting
Salvage equipment

Ligands

RT: Ions
Molecules
Organometallic complexes

Ligases

USE: **Enzymes**

Light

UF: Light rays
Visible radiation
BT: Electromagnetic radiation
RT: Abiotic factors
Atmospheric optical phenomena
Irradiance
Light absorption
Light attenuation
Light fields
Light intensity
Light measurement
Light measuring instruments
Light penetration
Light reflection
Light refraction
Light scattering
Light sources
Light transmission
Luminescence
Optical properties
Optics
Photoperiodicity
Photoreceptors
Phototaxis
Phototropism
Radiance
Solar radiation
Ultraviolet radiation

Light absorption

SN: Before 1982 search also
ABSORPTIVITY
UF: Absorption (light)
BT: Absorption (physics)
RT: Absorbance
Absorption coefficient
Absorption spectra
Chromatographic techniques
Extinction coefficient
Light
Light attenuation
Light penetration
Light propagation
Light transmission
Optical filters
Transmissometers
Transparency
Turbidity
Water colour
Water transparency

Light attenuation

UF: Attenuation (light)
BT: Attenuation

RT: Attenuance
Extinction coefficient
Light
Light absorption
Light penetration
Light scattering
Transmittance
Turbidity
Water transparency

Light diffraction

BT: Diffraction
RT: Holography

Light dispersion

BT: Dispersion
RT: Light refraction
Refractive index

Light duration

USE: **Photoperiods**

Light effects

UF: Photoperiod effects
BT: Environmental effects
RT: Chromatic behaviour
Light penetration
Nyctimeral rhythms
Optical properties
Photoperiodicity
Photoperiods
Phototaxis
Phototropism

Light fields

UF: Radiance distribution
BT: Fields
RT: Irradiance
Light
Light measurement
Radiance
Radiative transfer

Light fishing

SN: Use of light to attract fish for capture with different types of gears
BT: Catching methods
RT: Pump fishing

Light intensity

UF: Light quantity
RT: Light
Light penetration
Optical properties
Photometry

Light measurement

BT: Measurement
NT: Photometry
RT: Colorimetric techniques
Immersion effects
Light
Light fields
Light measuring instruments

Light measuring instruments

BT: Measuring devices
 NT: Beam transmittance meters
 Cosine collectors
 Irradiance meters
 Photometers
 Quanta meters
 Radiance meters
 Scatterance meters
 Secchi discs
 Transmissometers
 RT: Fluorimeters
 Light
 Light measurement
 Nephelometers
 Optical instruments
 Radiometers
 Turbidimeters

Light microscopes

USE: **Microscopes**

Light microscopy

UF: Optical microscopy
 BT: Microscopy

Light minerals

BT: Minerals
 RT: Heavy minerals

Light organs

SN: Before 1995 search
 PHOTOPHORES
 RT: Photophores

Light penetration

RT: Absorption coefficient
 Absorption spectra
 Aphotic zone
 Compensation depth
 Euphotic zone
 Light
 Light absorption
 Light attenuation
 Light effects
 Light intensity
 Light reflection
 Light refraction
 Light scattering
 Phototaxis
 Phototropism
 Primary production
 Solar radiation
 Spectral composition
 Transmittance

Light propagation

RT: Light absorption
 Light transmission

Light quantity

USE: **Light intensity**

Light rays

USE: **Light**

Light reflection

UF: Reflection (light)
 BT: Reflection
 RT: Air-water interface
 Glitter
 Light
 Light penetration
 Light refraction
 Reflectance

Light refraction

SN: Before 1982 search also
 REFRACTION
 UF: Refraction (light)
 BT: Refraction
 RT: Air-water interface
 Light
 Light dispersion
 Light penetration
 Light reflection
 Refractive index
 Transparency

Light scattering

UF: Scattering (light)
 NT: Particle scattering
 RT: Fluorescence
 Light
 Light attenuation
 Light penetration
 Nepheloid layer
 Particle concentration
 Polarization
 Refractive index
 Scattering coefficient
 Turbidity
 Volume scattering function
 Water transparency

Light sensitive pigments

USE: **Visual pigments**

Light sources

UF: Underwater light sources
 RT: Light
 Lighting systems

Light stimuli

BT: Stimuli
 RT: Photoperiodicity
 Photoreception
 Photosynthesis
 Phototaxis
 Phototropism
 Vision

Light transmission

BT: Transmission
 RT: Light
 Light absorption
 Light propagation
 Optical filters
 Transparency

Light vessels

USE: **Lightships**

Lighthouses

BT: **Navigational aids**

Lighting systems

UF: Illumination
 RT: Light sources

Lightning

BT: Atmospheric electricity
 RT: Thunderstorms
 Weather

Lightships

UF: Light vessels
 BT: Ships
 RT: Inshore stations
 Navigational aids

Limbs

SN: Legs or limbs of aquatic animals
 BT: Animal appendages

Limestone

BT: Carbonate rocks
 RT: Bioherms
 Calcarenite
 Calcite
 Dolomitization
 Marlstone
 Oolites
 Quarries

Liming

BT: Scaling

Limiting factors

UF: Limiting nutrients
 RT: Anthropogenic factors
 Ecological distribution
 Environmental conditions
 Environmental factors
 Lethal limits
 Nutrients (mineral)
 Tolerance

Limiting nutrients

USE: **Limiting factors**

Limnological data

BT: Data
 RT: Bathymetric data
 Limnological surveys
 Limnology
 Water temperature data

Limnological equipment

BT: Equipment
 RT: Bathythermographs
 Collecting devices
 Laboratory equipment
 Limnological surveys
 Limnology
 Measuring devices
 Water samplers

Limnological institutions

BT: Research institutions
RT: Biological institutions
Fishery institutions
Limnology

Limnological surveys

BT: Environmental surveys
RT: Limnological data
Limnological equipment
Limnology

Limnologists

USE: **Freshwater scientists**

Limnology

BT: Aquatic sciences
NT: Chemical limnology
Fishery limnology
Palaeolimnology
Physical limnology
RT: Freshwater sciences
Freshwater scientists
Hydrography
Hydrology
Lakes
Limnological data
Limnological equipment
Limnological institutions
Limnological surveys
Ponds
Water reservoirs

Limnology (biological)

USE: **Freshwater ecology**

Limnology (chemical)

USE: **Chemical limnology**

Limnology (physical)

USE: **Physical limnology**

Lindane

BT: Chlorinated hydrocarbons
RT: Herbicides
Insecticides

Line fishing

SN: Any type of fishing using lines, movable or fixed, with or without attached hooks, gorges, or other catching means
BT: Catching methods
Fishing
NT: Handlining
Jigging
Longlining
Pole-line fishing
Trolling
RT: Artisanal fishing
Bait
Bait fishing
Lines

Line fishing gear

USE: **Lines**

Line pipe

USE: **Pipes**

Linear programming

BT: Mathematical programming
RT: Computer programs
Econometrics
Mathematical models

Linear waves

UF: Airy waves
Infinitesimal waves
Sinusoidal waves
BT: Water waves
RT: Nonlinear waves

Liners

UF: Trollers
BT: Fishing vessels
RT: Lines
Trolling

Liners (passengers)

USE: **Passenger ships**

Lines

UF: Drift lines
Hand lines
Line fishing gear
Set lines
Troll lines
BT: Fishing gear
NT: Hooks
RT: Line fishing
Liners
Trolling

Linoleic acid

BT: Polyunsaturated fatty acids

Lipids

SN: Before 1982 search FATS
UF: Derived lipids
BT: Organic compounds
NT: Complex lipids
Fats
Steroids
Waxes
RT: Adipose tissue
Blubber
Choline
Esters
Lipoproteins

Lipoproteins

SN: Before 1982 search
PROTEINS
BT: Proteins
RT: Blood
Lipids
Lymph

Liquefaction

BT: Fluidization
RT: Liquefied sediment flow
Liquids

Liquefied natural gas

UF: LNG
BT: Natural gas
RT: Gas processing

Liquefied petroleum gas

UF: LPG
BT: Fuels
RT: Gas terminals
Petroleum

Liquefied sediment flow

BT: Fluidized sediment flow
RT: Grain flow
Liquefaction

Liquid fish products

USE: **Fish silage**

Liquids

BT: Fluids
RT: Gases
Liquefaction

Literature reviews

UF: Literature surveys
Review articles
Reviews (literature)
State-of-the-art reviews
RT: Bibliographies
Documents

Literature surveys

USE: **Literature reviews**

Lithification

BT: Diagenesis
RT: Cementation
Compaction
Compression
Consolidation

Lithium

BT: Alkali metals
RT: Lithium compounds
Lithium isotopes

Lithium compounds

BT: Alkali metal compounds
RT: Lithium

Lithium isotopes

BT: Isotopes
RT: Lithium

Lithofacies

BT: Facies
RT: Lithology
Sediments

Lithogenesis

RT: Lithology
Rocks

Lithology

BT: Geology
RT: Lithofacies

Lithogenesis Petrology	Coastal zone Continental shelves Ecological zonation Epipelagic zone Neritic province Shallow water	Unconventional resources
Lithosphere SN: Use as tectonic term. Do not use as part of classification: atmosphere, hydrosphere, lithosphere BT: Earth structure RT: Asthenosphere Benioff zone Earth crust Moho Plate tectonics Plates Upper mantle	Live feed USE: Food organisms	LNG USE: Liquefied natural gas
Lithospheric plates USE: Plates	Live food USE: Food organisms	Load pressure USE: Loads (forces)
Litter SN: Not used for leaf litter or for brood/offspring of mammals UF: Debris (rubbish) Garbage Land-based litter Refuse Rubbish Trash BT: Solid impurities Wastes NT: Marine debris RT: Detritus Plastic debris	Live storage SN: Storage of live fish UF: Wet storage (live organisms) BT: Fish storage	Loading (operation) USE: Lifting
Littoral currents USE: Nearshore currents	Live weight USE: Biomass	Loading buoys BT: Mooring buoys RT: Articulated columns Floating hoses Offshore terminals Single point moorings Tanker loading
Littoral deposits BT: Sediments RT: Longshore sediment transport Nearshore sedimentation	Livelihoods SN: The capabilities, assets (including both material and social resources) and activities required for a means of living). RT: Economics Fishers Fishing	Loads (forces) UF: Load pressure BT: Forces (mechanics) NT: Current forces Cyclic loading Dynamic loads Earthquake loading Ice loads Ocean loading Wave-induced loading Wave forces Wind pressure RT: Ballast Bearing capacity Pressure Weight
Littoral drift USE: Longshore sediment transport	Liver BT: Digestive glands RT: Bile Glycogen	Lobster culture SN: Before 1982 search CRUSTACEAN CULTURE BT: Crustacean culture
Littoral sedimentation USE: Nearshore sedimentation	Livestock food BT: Food NT: Feed	Lobster fisheries UF: Cape rock lobster fisheries Crayfish fisheries Deep-sea lobster fisheries Northern lobster fisheries Rocklobster fisheries Spiny lobster fisheries BT: Crustacean fisheries RT: Trap fishing
Littoral states USE: Coastal states	Living fossils SN: Any organism alive today whose closest relatives are known only as fossils RT: Fossils Relict species	Lobster pots USE: Pots
Littoral transport USE: Longshore sediment transport	Living quarters USE: Accommodation	Local knowledge USE: Indigenous knowledge
Littoral zonation USE: Ecological zonation	Living resources SN: Applies to both plant and animal resources of the aquatic environment UF: Aquatic living resources Biological resources Biotic natural resources BT: Natural resources NT: Botanical resources Fishery resources RT: Bioeconomics Food resources Freshwater resources Marine resources Potential resources Protected resources Rare resources Renewable resources	Local movements SN: Movements of organisms other than migrational movements, within home range UF: Movements (local) RT: Activity patterns Home range Homing behaviour
Littoral zone BT: Benthic environment NT: Eulittoral zone Sublittoral zone Supralittoral zone RT: Beaches Coastal waters		

Local names
USE: **Vernacular names**

Local winds

UF: Bora
Mistral
BT: Winds
NT: Breezes

Locating

NT: Underwater object location
RT: Detection
Dynamic positioning
Position fixing
RFID tags
Salvaging
Search and rescue
Surveying
Tracking

Locations (working)

UF: Working locations
RT: Offshore operations
Working underwater

Lockout submersibles

USE: **Submersibles**

Locomotion

SN: Including theory of
locomotion in aquatic organisms
NT: Flying
Swimming
RT: Activity patterns
Animal navigation
Cilia
Locomotory appendages
Mobility

Locomotory appendages

UF: Locomotory organs
BT: Animal appendages
NT: Fins
Wings
RT: Flagella
Locomotion

Locomotory organs

USE: **Locomotory appendages**

Logbooks

UF: Scientific logbooks
Ships logbooks
BT: Documents
RT: Records
Station lists

Logging

NT: Well logging

Long-crested waves

BT: Surface water waves
RT: Directional spectra
Short-crested waves
Wave crests
Wave direction

Long-line culture

USE: **Off-bottom culture**

Long-period seismic waves

USE: **Seismic waves**

Long-period tides

BT: Tides
RT: Nodal tides
Pole tides

Long-period water waves

USE: **Shallow water waves**

Long-period waves

USE: **Shallow water waves**

Long-term changes

UF: Long-term variations
Secular fluctuations
BT: Temporal variations
NT: Sea level changes
RT: Baseline studies
Climatic changes
Long-term records
Monitoring
Periodic variations
Prediction
Short-term changes

Long-term planning

BT: Planning
RT: Short-term planning

Long-term records

BT: Records
RT: Long-term changes

Long-term variations

USE: **Long-term changes**

Long gravity waves

USE: **Shallow water waves**

Long wave-short wave interactions

USE: **Short wave-long wave interactions**

Long wave radiation

USE: **Terrestrial radiation**

Long waves

USE: **Shallow water waves**

Longevity

UF: Life span
BT: Biological properties
RT: Age determination
Biological age
Biological aging
Life cycle
Mortality

Longitude

BT: Geographical coordinates
RT: Latitude

Longitudinal dispersion

BT: Dispersion
RT: Estuarine dynamics

Longlining

BT: Line fishing
RT: Demersal fisheries
Flatfish fisheries
Pelagic fisheries

Longshore bars

BT: Nearshore bars
RT: Break-point bars

Longshore currents

SN: Currents bordering coastlines.
Before 1982 search ONSHORE
CURRENTS
BT: Nearshore currents
RT: Beach cusps
Coastal jets
Estuarine dynamics
Lake currents
Longshore sediment transport
Rip currents
Surf zone
Tidal currents
Wave-current interaction
Wave processes on beaches
Wind-driven currents

Longshore drift

USE: **Longshore sediment transport**

Longshore sand transport

USE: **Longshore sediment transport**

Longshore sediment transport

SN: Before 1982 search also
LONGSHORE SAND
TRANSPORT
UF: Littoral drift
Littoral transport
Longshore drift
Longshore sand transport
BT: Sediment transport
RT: Beach nourishment
Littoral deposits
Longshore currents

Lophophores

SN: Filter feeding organs
BT: Alimentary organs
RT: Filter feeders

Loran

BT: Radio navigation
RT: Navigational tables

Lotic environment

BT: Inland water environment
RT: Benthic environment
Lentic environment
Rivers
Spring streams
Water springs

Love waves

BT: Surface seismic waves

Low-velocity layer

BT: Seismic layers
RT: Asthenosphere
Seismic velocities

Low frequency

BT: Frequency
RT: High frequency

Low pressure systems

NT: Cyclones
Low pressure troughs
RT: Atmospheric disturbances
Atmospheric pressure
Tornadoes

Low pressure troughs

BT: Low pressure systems
NT: Equatorial trough

Low temperature

BT: Temperature
RT: Metamorphism

Low tide

UF: Low water
BT: Tides
RT: Ebb currents
High tide

Low water

USE: **Low tide**
Lower mantle

BT: Earth mantle
RT: Upper mantle

Lower tertiary

USE: **Palaeogene**
Lowest astronomical tides

USE: **Astronomical tides**
LPG

USE: **Liquefied petroleum gas**
Lubricants

RT: Fuels

Luciferin

UF: Photophelein
BT: Proteins
RT: Luminous organisms

Luminescence

NT: Bioluminescence
Chemiluminescence
Fluorescence
Phosphorescence
RT: Chemical properties
Electrical properties
Electromagnetic radiation
Light

Luminous organisms
Luminescent organs

USE: **Photophores**
Luminous organisms

BT: Aquatic organisms
RT: Luciferin
Luminescence
Photophores
Plankton

Luminous organs

USE: **Photophores**
Lunar cycles

USE: **Moon phases**
Lunar diurnal tides

USE: **Diurnal tides**
Lunar effects

USE: **Moon phases**
Lunar semidiurnal tides

USE: **Semidiurnal tides**
Lunar tides

SN: Before 1982 search TIDES
BT: Tides
RT: Meteorological tides
Tidal constituents

Lungs

SN: Before 1982 search
RESPIRATORY ORGANS
BT: Respiratory organs
RT: Aerobic respiration

Lures

USE: **Bait**
Luring

USE: **Attracting techniques**
Lutetium

BT: Lanthanides

Lutites

RT: Argillaceous deposits
Bentonite
Marlstone
Mudstone
Shale
Silt
Siltstone

Lyases

SN: Before 1982 search
ENZYMES
BT: Enzymes

Lymph

SN: Before 1982 search BODY
FLUIDS
BT: Body fluids
RT: Lipoproteins

Lymphatic system

Lymphocytes

Lymph system

USE: **Lymphatic system**
Lymph vessels

USE: **Lymphatic system**
Lymphatic system

UF: Lymph system
Lymph vessels
BT: Anatomical structures
RT: Lymph

Lymphocytes

BT: Blood cells
RT: Lymph
Spleen

Lysine

BT: Amino acids

Lysocline

BT: Discontinuity layers
RT: Carbonate compensation
depth
Clines

Lysosomes

BT: Cell organelles

Machinery

NT: Harvesting machines
Pumps
RT: Equipment
Mechanization

Mackerel fisheries

BT: Finfish fisheries
RT: Tuna fisheries

Macrobenthos

USE: **Benthos**
Macroinvertebrates

UF: Aquatic macroinvertebrates
BT: Aquatic invertebrates
RT: Brackishwater invertebrates
Freshwater invertebrates
Marine invertebrates
Microinvertebrates

Macrophages

SN: A large phagocytic cell
BT: Blood cells
RT: Phagocytosis

Macrophytes

SN: Any macroscopic vegetal
organism living in aquatic
environment
BT: Aquatic plants
NT: Sea grass

Macroplankton

USE: **Zooplankton**

Mafic magma

UF: Mafics
BT: Magma

Mafics

USE: **Mafic magma**

Magma

UF: Magmatism
NT: Mafic magma
RT: Asthenosphere
Hot spots
Igneous rocks
Magma chambers
Volcanism

Magma chambers

UF: Magma reservoirs
RT: Igneous intrusions
Magma

Magma reservoirs

USE: **Magma chambers**

Magmatism

USE: **Magma**

Magnesite

BT: Carbonate minerals

Magnesium

BT: Alkaline earth metals
RT: Barium
Ferromanganese nodules
Magnesium compounds
Magnesium isotopes

Magnesium compounds

BT: Alkaline earth metal compounds
NT: Magnesium silicates
Magnesium sulphates
RT: Magnesium

Magnesium isotopes

BT: Isotopes
RT: Magnesium

Magnesium silicates

BT: Magnesium compounds
Silicates

Magnesium sulphates

BT: Magnesium compounds
Sulphates

Magnetic anomalies

BT: Anomalies
RT: Geomagnetic field
Gravity anomalies
Magnetic anomaly charts
Magnetic data
Magnetic exploration
Palaeomagnetism
Seafloor spreading

Magnetic anomaly charts

BT: Magnetic charts
RT: Magnetic anomalies

Magnetic charts

BT: Geological maps
NT: Magnetic anomaly charts
RT: Magnetic data
Magnetic exploration
Magnetic intensity
Magnetic variations

Magnetic compasses

USE: **Compasses**

Magnetic core orientation

USE: **Core orientation**

Magnetic data

BT: Geophysical data
RT: Magnetic anomalies
Magnetic charts

Magnetic declination

USE: **Magnetic variations**

Magnetic dip

USE: **Magnetic inclination**

Magnetic exploration

UF: Geomagnetic surveys
Magnetic surveys
BT: Geophysical exploration
RT: Aeromagnetic surveys
Coast effect
Magnetic anomalies
Magnetic charts
Magnetometers

Magnetic field (earth)

USE: **Geomagnetic field**

Magnetic field elements

BT: Magnetic properties
NT: Magnetic inclination
Magnetic intensity
Magnetic variations
RT: Geomagnetic field

Magnetic fields

NT: Geomagnetic field
RT: Electromagnetic radiation
Magnetism
Magnets

Magnetic inclination

UF: Magnetic dip
BT: Magnetic field elements

Magnetic intensity

BT: Magnetic field elements
RT: Magnetic charts

Magnetic particle testing

USE: **Nondestructive testing**

Magnetic properties

BT: Physical properties
NT: Magnetic field elements
Magnetic susceptibility
Remanent magnetization
RT: Magnetism
Magnets

Magnetic remanence

USE: **Remanent magnetization**

Magnetic reversals

UF: Geomagnetic reversals
RT: Geomagnetic field
Magnetostatigraphy
Palaeomagnetism
Pole positions

Magnetic spherules

USE: **Cosmic spherules**

Magnetic stratigraphy

USE: **Magnetostatigraphy**

Magnetic surveys

USE: **Magnetic exploration**

Magnetic susceptibility

BT: Magnetic properties
RT: Anisotropy
Geomagnetic field
Palaeomagnetism

Magnetic tape recordings

RT: Audio recordings
Magnetic tapes
Records
Videotape recordings

Magnetic tapes

RT: Audiovisual materials
Magnetic tape recordings

Magnetic variations

UF: Magnetic declination
Variations (magnetic)
BT: Magnetic field elements
RT: Magnetic charts

Magnetism

NT: Electromagnetism
Geomagnetism
Palaeomagnetism
RT: Magnetic fields
Magnetic properties
Magnets

Magnetite

BT: Oxide minerals
RT: Cosmic spherules
Iron oxides
Placers

Magnetometers

BT: Measuring devices
RT: Geomagnetism
Geophysical equipment
Magnetic exploration

Magnetostratigraphy

UF: Magnetic stratigraphy
BT: Stratigraphy
RT: Magnetic reversals

Magnetotelluric methods

UF: Magnetotelluric surveys
RT: Coast effect
Electrical resistivity
Electromagnetic exploration
Geomagnetic field
Geomagnetism
Telluric currents

Magnetotelluric surveys

USE: **Magnetotelluric methods**

Magnets

RT: Magnetic fields
Magnetic properties
Magnetism

Maintenance and repair

SN: Before 1995, search also
MAINTENANCE; REPAIR;
REPLACING
UF: Repair
Replacing
RT: Corrosion control
Damage
Deterioration
Drydocks
Fouling control
Inspection
Restoration
Shipyards

Major constituents

RT: Composition

Major elements

SN: In geochemistry, major
elements comprise most of the
rock, expressed as weight %
oxides, each is > 0.1%
BT: Chemical composition
RT: Chemical elements

Malacologists

BT: Zoologists
RT: Fishery biologists
Malacology
Taxonomists

Malacology

BT: Invertebrate zoology
RT: Aquatic molluscs
Conchology
Freshwater molluscs
Hydrobiology
Malacologists
Marine molluscs
Shells

Malaria

UF: Paludism

BT: Human diseases
RT: Parasitic diseases
Protozoan diseases

Males

BT: Gender
NT: Men
RT: Females

Malformations

USE: **Abnormalities**

Mammal entanglement

BT: Entanglement

Mammalian physiology

UF: Physiology (aquatic
mammals)
BT: Animal physiology
RT: Aquatic mammals
Mammalogy

Mammalogists

BT: Zoologists
RT: Aquatic mammals
Mammalogy

Mammalogy

BT: Vertebrate zoology
NT: Cetology
RT: Aquatic mammals
Mammalian physiology
Mammalogists

Mammals (aquatic)

USE: **Aquatic mammals**

Mammals (marine)

USE: **Marine mammals**

Man-induced effects

SN: Effects of human activities on
aquatic ecosystems
UF: Anthropogenic effects
Human impact
RT: Environmental degradation
Environmental impact
Pollution effects
Vulnerable marine ecosystems

Man-made disasters

USE: **Accidents**

Man-made lakes

USE: **Artificial lakes**

Management

SN: Use of a more specific term is
recommended
UF: Administration
NT: Co-management
Ecosystem management
Environment management
Financial management
Production management
Resource management

Risk management

RT: Bench marks

Best practices
Case studies
Governance
Marketing
Mitigation
Personnel
PERT
Planning
Stewardship
Uncertainty

Maneuverability

USE: **Manoeuvrability**

Manganese

BT: Heavy metals
Transition elements
RT: Ferromanganese nodules
Ferromanganese oxides
Manganese compounds
Manganese isotopes
Metalliferous sediments

Manganese compounds

BT: Chemical compounds
NT: Manganese dioxide
Manganese oxides
RT: Manganese

Manganese deposits

BT: Chemical sediments
RT: Ferromanganese nodules
Manganese oxides

Manganese dioxide

BT: Manganese compounds
Manganese oxides

Manganese isotopes

BT: Isotopes
RT: Manganese

Manganese minerals

BT: Minerals
RT: Pyrolusite

Manganese nodules

USE: **Ferromanganese nodules**

Manganese oxides

BT: Manganese compounds
Oxides
NT: Ferromanganese oxides
Manganese dioxide
RT: Manganese deposits

Mangrove conservation

UF: Mangrove forest conservation
Mangrove swamp conservation
BT: Nature conservation
RT: Mangrove restoration

Mangrove forest conservation

USE: **Mangrove conservation**

Mangrove restoration

UF: Restoration of mangroves
BT: Environmental restoration
RT: Mangrove conservation

Mangrove swamp conservation

USE: **Mangrove conservation**

Mangrove swamps

SN: Mangrove aquatic
environment and its communities
BT: Swamps
RT: Brackishwater ecology
Brackishwater environment
Mangroves

Mangroves

RT: Halophytes
Mangrove swamps

Manifolds

SN: Seabed multiple flowline
connectors
RT: Connectors
Flowlines
Wellheads

Manipulators

RT: Diving suits
Robots
Underwater vehicles

Manned submersibles

USE: **Submersibles**

Manned vehicles

UF: Diving chambers
Diving vehicles
BT: Underwater vehicles
NT: Diving bells
Observation chambers
Submarines
Submersibles
RT: Unmanned vehicles

Mannose

BT: Monosaccharides
RT: Aldehydes

Manoeuvrability

UF: Maneuverability
RT: Propulsion systems
Ship handling
Steering systems
Vehicles

Manometers

BT: Measuring devices
RT: Barometers
Pressure
Pressure gauges

Manpower resources

USE: **Human resources**

Mantle

SN: Fold of epidermal tissue
covering dorsal or lateral
surfaces of the body of the
Mollusca and Brachiopoda;
body wall of the Urochordata.
For earth mantle use EARTH
MANTLE
BT: Body walls
RT: Gills
Mantle cavity
Shells

Mantle (earth)

USE: **Earth mantle**

Mantle cavity

BT: Body cavities
RT: Gills
Mantle

Mantle convection

BT: Convection
RT: Cellular convection
Earth mantle
Heat flow
Mantle plumes
Plate tectonics
Seafloor spreading

Mantle plumes

BT: Plumes
RT: Diverging plate boundaries
Earth mantle
Hot spots
Mantle convection
Plate divergence
Plate tectonics

Manuals

SN: Documents containing
instructions and/or procedures
for performing operations or
handling equipment
UF: Guidebooks
Handbooks
Instrument handbooks
BT: Documents
RT: Guidelines
Methodology
Training aids

Manufacturing costs

USE: **Operational costs**

Manure

SN: Any substance, usually of
natural origin, used as fertilizer
UF: Animal manure
Artificial manure
Dung
Manurial salts
BT: Animal products
Organic fertilizers
RT: Coliforms
Composting
Composts

Faeces

Guano

Wastes

Manurial salts

USE: **Manure**

Manuscripts (historical)

USE: **Documents**

Map graphics

SN: Cartographic representation
of data on maps. Use of a more
specific term is recommended
BT: Graphics
NT: Current roses
Isopleths
Streamlines
Vertical sections
Wind roses
Wind vectors
RT: Cartography
Hodographs

Map projections

RT: Cartography
Geographical coordinates
Maps

Mapping

SN: Mapping of aquatic and
terrestrial environments. Before
1982 search CHARTING for
aquatic environments
UF: Charting (distributions)
Charting (environmental
conditions)
NT: Seafloor mapping
RT: Cartography
Geography
Maps
Plotting
Spatial planning
Surveying
Surveys
Topography

Maps

SN: Before 1982 search also
CHARTS (MAPS)
UF: Charts (maps)
BT: Graphics
NT: Biological charts
Climatological charts
Control charts
Environmental charts
Fishery charts
Geological maps
Hydrographic charts
Meteorological charts
Navigational charts
Pollution maps
Topographic maps
Track charts
RT: Atlases
Cartography

Chart datum
Map projections
Mapping

Marginal basins
UF: Back-arc basins
Inter-arc basins
BT: Structural basins
RT: Active margins
Continental slope
Forearc basins
Island arcs
Marginal seas
Subduction

Marginal fields
BT: Oil and gas fields

Marginal seas
UF: Adjacent seas
Deep adjacent seas
BT: Oceans
NT: Semi-enclosed seas
Shelf seas
RT: Anoxic basins
Coastal waters
Hydrosphere
Marginal basins

Margins (continental)
USE: **Continental margins**

Margins (plate)
USE: **Plate margins**

Mariculture
USE: **Marine aquaculture**

Marigram
USE: **Tidal curves**

Marinas
UF: Yacht harbours
BT: Artificial harbours
RT: Recreational waters
Yachts

Marinated products
USE: **Cured products**

Marine accidents
BT: Accidents
NT: Capsizing
Drowning
Groundings
RT: Diving accidents
Survival at sea

Marine advection
USE: **Advection**

Marine aerosols
USE: **Aerosols**

Marine aquaculture
UF: Coastal aquaculture
Mariculture

Ocean farming
Open sea aquaculture
Sea farming
BT: Aquaculture
RT: Algal culture
Cage culture
Coral farming
Fish culture
Marine fish
Seaweed culture
Shellfish culture
Sponge culture

Marine archaeology
USE: **Archaeology**

Marine biological noise
USE: **Biological noise**

Marine biologists
USE: **Marine ecologists**

Marine biology
USE: **Marine ecology**

Marine biotelemetry
USE: **Biotelemetry**

Marine birds
UF: Birds (marine)
BT: Aquatic birds
Marine organisms
NT: Guano birds

Marine chemistry
USE: **Chemical oceanography**

Marine crab culture
USE: **Crab culture**

Marine crustaceans
UF: Crustaceans (marine)
BT: Aquatic crustaceans
Marine invertebrates
RT: Crustacean culture
Crustacean fisheries
Crustacean larvae
Shellfish

Marine debris
UF: Debris (marine)
Marine garbage
Marine litter
Marine trash
Ocean trash
BT: Litter
RT: Plastic debris

Marine ecologists
UF: Marine biologists
BT: Ecologists
RT: Marine ecology

Marine ecology
UF: Biological oceanography
Marine biology
Oceanology (biological)

Seashore ecology
BT: Ecology
Marine sciences
RT: Aquatic communities
Environmental factors
Marine ecologists
Oceanography

Marine engineering
USE: **Ship technology**

Marine environment
SN: Related to oceans and seas
UF: Ocean environment
BT: Aquatic environment
NT: Intertidal environment
RT: Aphotic zone
Benthic environment
Brackishwater environment
Coastal zone
Continental shelves
Coral reefs
Euphotic zone
Eutrophic waters
Marine fish
Oceanography
Pelagic environment
Sea water

Marine fish
BT: Fish
Marine organisms
NT: Reef fish
RT: Demersal fisheries
Marine aquaculture
Marine environment
Marine fisheries
Tropical fish

Marine fisheries
UF: Sea bass fisheries
Sea fisheries
BT: Fisheries
NT: Deep-sea fisheries
High seas fisheries
Pelagic fisheries
Reef fisheries
RT: Carangid fisheries
Cephalopod fisheries
Coastal fisheries
Demersal fisheries
Echinoderm fisheries
Estuarine fisheries
Finfish fisheries
Gastropod fisheries
Marine fish
Shellfish fisheries
Sponge fisheries
Tuna fisheries

Marine fittings
USE: **Shipboard equipment**

Marine foundations
USE: **Foundations**

Marine garbage
USE: **Marine debris**

Marine geodesy

- BT: Geodesy
- Marine sciences
- RT: Coastal geodesy
- Dynamical oceanography
- Surface topography

Marine geology

- UF: Geological oceanography
- Submarine geology
- BT: Geology
- Marine sciences
- NT: Shelf geology
- RT: Oceanic crust
- Oceanography
- Sedimentology
- Stratigraphy
- Tectonics

Marine insurance

USE: **Insurance**

Marine invertebrates

- BT: Aquatic invertebrates
- Marine organisms
- NT: Marine crustaceans
- Marine molluscs
- RT: Brackishwater invertebrates
- Freshwater invertebrates
- Invertebrate zoology
- Macroinvertebrates
- Microinvertebrates

Marine litter

USE: **Marine debris**

Marine mammals

- SN: Before 1982 search
- AQUATIC MAMMALS
- UF: Mammals (marine)
- BT: Aquatic mammals
- Marine organisms
- RT: Blubber
- Freshwater mammals

Marine meteorology

USE: **Meteorology**

Marine molluscs

- UF: Molluscs (marine)
- Mollusks (marine)
- BT: Aquatic molluscs
- Marine invertebrates
- RT: Malacology
- Mollusc culture
- Mollusc fisheries
- Shellfish

Marine organisms

- BT: Aquatic organisms
- NT: Marine birds
- Marine fish
- Marine invertebrates
- Marine mammals
- Marine plants
- Sea turtles

RT: Marine resources

Seaweeds

Marine parks

- SN: Marine areas protected against human impact.
- UF: Marine protected areas
- Marine reserves
- BT: Protected areas
- RT: Freshwater parks
- Protected resources
- Recreational waters
- Refuges
- Sanctuaries
- Spatial planning

Marine physics

USE: **Physical oceanography**

Marine plants

- SN: Any microscopic or macroscopic vegetal organism living in the marine environment
- BT: Aquatic plants
- Marine organisms
- NT: Sea grass
- Seaweeds
- RT: Algae

Marine policy

USE: **Ocean policy**

Marine pollution

- BT: Water pollution
- RT: Groundwater pollution
- Land-based pollution
- Ocean dumping

Marine propulsion

USE: **Propulsion systems**

Marine protected areas

USE: **Marine parks**

Marine regressions

USE: **Regressions**

Marine reserves

USE: **Marine parks**

Marine resources

- BT: Natural resources
- RT: Food resources
- Living resources
- Marine organisms
- Mineral resources
- Renewable resources

Marine risers

USE: **Riser pipes**

Marine sciences

- BT: Aquatic sciences
- NT: Marine ecology
- Marine geodesy
- Marine geology
- Oceanography

RT: Algology

- Fishery sciences
- Hydrobiology
- Marine scientists
- Marine technology
- Planktonology

Marine scientists

- UF: Oceanographers
- BT: Scientific personnel
- RT: Marine sciences

Marine sedimentation

USE: **Sedimentation**

Marine shrimp culture

USE: **Shrimp culture**

Marine snow

- SN: Large, fragile, flocculent, rapidly sinking detrital organic aggregates, usually comprising a matrix of bacteria, protozoa and phytoplankton; site of photosynthesis and nutrient regeneration, and an important food source for some zooplankton species. Before 1995 search SUSPENDED PARTICULATE MATTER
- RT: Algal blooms
- Suspended particulate matter

Marine structures

USE: **Offshore structures**

Marine technology

- BT: Technology
- RT: Coastal engineering
- Marine sciences
- Offshore engineering

Marine transgressions

USE: **Transgressions**

Marine transportation

- SN: All forms of waterborne transportation
- BT: Transportation
- RT: Port operations
- Shipping
- Shipping lanes

Marine trash

USE: **Marine debris**

Marine turtles

USE: **Sea turtles**

Marine water

USE: **Sea water**

Maritime legislation

- BT: Legislation
- RT: Fishery regulations

Maritime piracy

USE: **Piracy**

Maritime safety

SN: The protection of life and property through regulation, management and technology development of all forms of waterborne transportation.
Before 2016, search MARINE TRANSPORTATION + HEALTH AND SAFETY
BT: Health and safety
NT: Navigational safety

Maritime space

USE: **Ocean space**

Maritime structures

USE: **Hydraulic structures**

Mark-recapture data

USE: **Capture-recapture studies**

Mark-recapture studies

USE: **Capture-recapture studies**

Marker buoys

BT: Buoys
Navigational aids

Market crab fisheries

USE: **Crab fisheries**

Market management

USE: **Production management**

Market prices

USE: **Pricing**

Market research

UF: Marketing research
RT: Cost analysis
Marketing
Pricing

Marketing

SN: All aspects related to the structure, process and logistics as well as performance of marketing system
UF: Commercialization
Marketing and distribution
Markets
RT: Financing
Food traceability
Globalization
Management
Market research
Pricing
Private sector
Product development
Trade

Marketing and distribution

USE: **Marketing**

Marketing legislation

USE: **Commercial legislation**

Marketing research

USE: **Market research**

Markets

USE: **Marketing**

Marking

SN: Any procedure which makes fish subsequently identifiable which does not employ the use of tags
UF: Electrophoretic marking
NT: Cold branding
RT: Capture-recapture studies
Staining
Tagging

Marl

RT: Argillaceous deposits
Clays
Marlstone
Mud
Sedimentary rocks

Marlstone

BT: Clastics
Sedimentary rocks
RT: Argillaceous deposits
Limestone
Lutites
Marl

Marsden chart

USE: **Marsden squares**

Marsden squares

UF: Marsden chart
BT: Geographical reference systems
RT: Geographical coordinates
Meteorological data
Oceanographic data

Marshes

SN: Marshes are defined as wetlands frequently or continually inundated with water, characterized by emergent soft-stemmed vegetation (rather than woody plants) adapted to saturated soil conditions. Marshes are characterized by nutrient-rich stagnant or slow-moving waters. Unlike bogs which are nutrient-poor
UF: Prairie potholes
Wet meadows
BT: Wetlands
NT: Coastal marshes
Salt marshes
Tidal marshes
RT: Bayous
Bogs
Fens
Lentic environment
Mires

Muskeg

Shallow water
Swamps

Mascaret

USE: **Tidal bores**

Masculinization

SN: Production of normal secondary sexual characters in a male or to produce male secondary sexual characters in a female
RT: Aquaculture techniques
Secondary sexual characters
Selective breeding
Sex characters
Sex determination
Sex hormones
Sex reversal

Mass

BT: Physical properties
RT: Conservation of mass
Weight

Mass culture

SN: Culture of organisms in large number. Before 1982 search PHYTOPLANKTON CULTURE
BT: Aquaculture techniques
RT: Algal culture
Brine shrimp culture
Crustacean culture
Phytoplankton culture
Shrimp culture

Mass extinctions

RT: Climatic changes
Fish kill
Species extinction

Mass gravity transport (sediments)

SN: Use of a more specific term is recommended
BT: Sediment transport
NT: Debris flow
Slumping

Mass mortality

USE: **Fish kill**

Mass movement

BT: Sediment movement
NT: Slides
RT: Creep
Mass transport
Sediment transport
Slope stability

Mass spectroscopy

BT: Spectroscopic techniques
RT: Stable isotopes

Mass transfer

RT: Convection
Diffusion
Energy transfer
Osmosis

Mass transfer (air-water exchanges)

USE: **Moisture transfer**

Mass transport

UF: Mass transport (water waves)
BT: Transport
RT: Mass movement
Sverdrup transport
Wave drift velocity

Mass transport (water currents)

USE: **Volume transport**

Mass transport (water waves)

USE: **Mass transport**

Mass transport velocity

USE: **Wave drift velocity**

Massive open online courses

USE: **Online instruction**

Masticatory stomach

BT: Stomach

Masts

SN: Use only for masts on buoys
to carry an array of
meteorological instruments
UF: Buoy masts
RT: Buoys

Materials

SN: Use of a more specific term is
recommended
NT: Alloys
Biogenic material
Buoyancy materials
Ceramics
Coating materials
Composite materials
Construction materials
Fibre glass
Gear materials
Hazardous materials
Insulating materials
Isotropic materials
Packing materials
Plastics
Radioactive materials
Raw materials
Rubber
Wood
RT: Components
Materials technology
Materials testing

Materials science

USE: **Materials technology**

Materials technology

UF: Materials science
BT: Technology
RT: Materials
Materials testing

Materials testing

BT: Testing
NT: Nondestructive testing
RT: Materials
Materials technology
Tomography

Mathematical analysis

BT: Analysis
NT: Convolution
Deconvolution
Fourier analysis
Numerical analysis
Spectral analysis
Statistical analysis
RT: Chaos theory
Green's function
Mathematics
Structural analysis

Mathematical models

UF: Compartmental models
Computer models
Numerical models
Stochastic models
BT: Models
NT: Economic models
Statistical models
Tidal models
RT: Algorithms
Analog
Boundary conditions
Formulae
Game theory
Linear programming
Mathematics
Operations research
Probability theory
Scale models
Stochastic processes
System analysis
Theories

Mathematical programming

BT: Operations research
NT: Linear programming
RT: Game theory
Modelling

Mathematical tables

USE: **Tables**

Mathematics

NT: Chaos theory
RT: Biometrics
Computation
Eigenfunctions
Equations
Mathematical analysis
Mathematical models
Numerical analysis

Statistics

Maturation

USE: **Sexual maturity**

Maximum entropy spectral analysis

BT: Spectral analysis

Maximum sustainable yield

USE: **Potential yield**

Mean sea level

SN: Before 1982 search SEA
LEVEL
BT: Sea level
RT: Geodesy
Geoid
Levelling
Tidal datum

Meandering

BT: Water motion
NT: Current meandering
RT: Fluid motion
River meanders

Meandering (currents)

USE: **Current meandering**

Meanders (current)

USE: **Current rings**

Meanders (rivers)

USE: **River meanders**

Means

USE: **Resources**

Measurement

UF: Measuring
Measuring techniques
NT: Calorimetry
Density measurement
Depth measurement
Flow measurement
Geochronometry
Granulometry
Gravimetry
Hygrometry
Light measurement
Photogrammetry
Pressure measurement
Salinity measurement
Sound measurement
Telemetry
Temperature measurement
Water level measurement
RT: Accuracy
Methodology

Measuring

USE: **Measurement**

Measuring devices

SN: Apparatus for measuring
distance, volume, weight, etc.

- UF: Measuring equipment
Measuring instruments
Micrometer calipers
BT: Equipment
NT: Altimeters
Barometers
Bathymeters
Chronometers
Compasses
Density measuring equipment
Flow measuring equipment
Gauges
Gravity meters
Hydrometers
Hygrometers
Light measuring instruments
Magnetometers
Manometers
Mesh gauges
Nephelometers
Penetrometers
Pressure gauges
Radiometers
Respirometers
Salinity measuring equipment
Scatterometers
Seismometers
Slope indicators
Speedometers
Tellurometers
Tensometers
Thermometers
Turbidimeters
Wave measuring equipment
RT: Instruments
Laboratory equipment
Limnological equipment
Oceanographic equipment
Recording equipment
Sensors
Test equipment
- Measuring equipment
USE: **Measuring devices**
- Measuring instruments
USE: **Measuring devices**
- Measuring techniques
USE: **Measurement**
- Mechanical bathythermographs
USE: **Bathythermographs**
- Mechanical properties**
BT: Physical properties
NT: Brittleness
Compressibility
Deformation
Elasticity
Flexibility
Strength
Toughness
Viscosity
Yield point
RT: Anisotropy
Stress-strain relations
- Stress (mechanics)
- Mechanical stimuli**
BT: Stimuli
RT: Auditory organs
Lateral line
Mechanoreceptors
- Mechanics**
BT: Physics
NT: Dynamics
Fluid mechanics
Hydraulics
Kinematics
Kinetics
Rheology
Rock mechanics
Soil mechanics
RT: Momentum
- Mechanization**
RT: Automation
Machinery
- Mechanoreceptors**
SN: Sense organs specialized to respond to mechanical stimuli such as pressure or deformation
BT: Sense organs
RT: Lateral line
Mechanical stimuli
Pressure effects
- Median valleys**
SN: Before 1982 search RIFT
VALLEYS
BT: Rift valleys
RT: Escarpments
Mid-ocean ridges
Plate divergence
Seafloor spreading
Submarine scarps
- Medical practice
USE: **Medicine**
- Medicine**
SN: Restricted to marine and underwater medical practice
UF: Life sciences (medicine)
Medical practice
BT: Health and safety
NT: Aetiology
Underwater medicine
RT: Biotechnology
Diseases
Drugs
Human physiology
Immunology
Pharmacology
Public health
Symptoms
Therapy
- Meetings
USE: **Conferences**
- Megalopae
USE: **Megalops**
- Megalops**
UF: Megalopae
BT: Crustacean larvae
- Megaripples
USE: **Sand waves**
- Meiobenthic organisms
USE: **Meiobenthos**
- Meiobenthos**
SN: Benthic micrometazoans and foraminiferans between 63 microns and 500 microns in size
UF: Meiobenthic organisms
Meiofauna
BT: Benthos
RT: Sand
- Meiofauna
USE: **Meiobenthos**
- Meiosis**
UF: Reduction division
BT: Cell division
RT: Chromosomes
Karyology
Mitosis
Nuclei
- Melanges**
RT: Boudinage
Debris flow
Deformation
Olistostromes
Sediments
- Melanophores
USE: **Chromatophores**
- Melt water**
BT: Water
RT: Ice melting
Icebergs
Snowmelt
- Melting**
BT: Phase changes
NT: Ice melting
RT: Freezing
Melting point
Snowmelt
Solidification
Sublimation
- Melting point**
BT: Transition temperatures
RT: Melting
- Membranes**
NT: Biological membranes
Cell membranes
- Membranes (biological)
USE: **Biological membranes**

Membranes (cells)
USE: **Cell membranes**

Men
BT: Gender
Males
RT: Women

Merchant ships
UF: Cargo ships
BT: Ships
NT: Bulk carriers
Container ships
Passenger ships
Selected ships
Tanker ships
RT: Cargoes

Mercury
SN: Before 1982 search also
MERCURY (METAL)
UF: Mercury (metal)
BT: Heavy metals
RT: Mercury compounds
Mercury isotopes

Mercury (metal)
USE: **Mercury**

Mercury compounds
BT: Chemical compounds
RT: Mercury
Organometallic compounds

Mercury isotopes
BT: Isotopes
RT: Mercury

Meridional atmospheric circulation
BT: Atmospheric circulation
RT: Meridional oceanic circulation

Meridional distribution
SN: Distribution North-South along lines of longitude. Used only as a qualifier
BT: Geographical distribution
RT: Hydrographic sections
Latitudinal variations
Meridional oceanic circulation
Zonal distribution

Meridional oceanic circulation
SN: North-South component of ocean circulation as seen in vertical section
BT: Ocean circulation
RT: Meridional atmospheric circulation
Meridional distribution
Vertical water movement

Meristic characters
USE: **Meristic counts**

Meristic counts
UF: Meristic characters
NT: Fin ray counts
Gillraker counts
Vertebrae counts
RT: Bony fins
Numerical taxonomy
Stock identification
Taxonomy

Meromictic lakes
BT: Lakes
RT: Meromixis

Meromixis
RT: Meromictic lakes

Meroplankton
UF: Temporary plankton
BT: Zooplankton
RT: Ichthyoplankton
Larvae
Veligers

Mesh gauges
BT: Measuring devices
RT: Mesh regulations
Mesh selectivity

Mesh regulations
BT: Fishery regulations
RT: Mesh gauges
Mesh selectivity
Size-limit regulations

Mesh selectivity
UF: Size selectivity
BT: Gear selectivity
RT: Codends
Mesh gauges
Mesh regulations

Mesocosms
RT: Microcosms

Mesopelagic zone
SN: Waters between about 200 and 500 m depth
BT: Oceanic province
RT: Bathyal-benthic zone
Euphotic zone

Mesoscale eddies
SN: Oceanic eddies of the order 100 km diameter
UF: Mid-ocean eddies
BT: Oceanic eddies
RT: Baroclinic instability
Conservation of vorticity
Current meandering
Eddy kinetic energy
Mesoscale features

Mesoscale features
UF: Mesoscale motion
NT: Frontal features

RT: Current meandering
Mesoscale eddies

Mesoscale motion
USE: **Mesoscale features**

Mesotrophic waters
BT: Water
RT: Dystrophic lakes
Eutrophic waters
Eutrophication
Hypereutrophic waters
Hyperoligotrophic waters
Hypertrophy
Oligotrophic waters
Trophic state

Mesozoic
SN: Before 1982 search
MESOZOIC ERA
BT: Geological time
NT: Cretaceous
Jurassic
Triassic
RT: Phanerozoic

Messengers (chemicals)
USE: **Hormones**

Messinian
UF: Messinian events
BT: Miocene
RT: Palaeosalinity

Messinian events
USE: **Messinian**

Metabolic diseases
USE: **Metabolic disorders**

Metabolic disorders
UF: Metabolic diseases
BT: Diseases
RT: Metabolism
Nutrition disorders

Metabolic processes
USE: **Metabolism**

Metabolic rate
USE: **Metabolism**

Metabolism
UF: Metabolic processes
Metabolic rate
NT: Anabolism
Animal metabolism
Catabolism
Plant metabolism
RT: Aestivation
Allometry
Biochemical oxygen demand
Biochemical phenomena
Bioenergetics
Body temperature
Digestion
Dormancy

- Endocrinology
Energy flow
Enzymatic activity
Enzyme inhibitors
Glands
Growth
Hibernation
Hormones
Metabolic disorders
Metabolites
Nutrition
Oxygen consumption
Oxygen demand
Physiology
Radionuclide kinetics
Respiration
Stable isotopes
Water balance
- Metabolites**
NT: Allelochemicals
RT: Bioactive compounds
Biological poisons
Ectocrines
Metabolism
- Metal fatigue**
BT: Fatigue (materials)
RT: Stress corrosion
- Metal ions**
BT: Ions
RT: Metals
- Metalimnion**
UF: Seasonal thermocline (lakes)
Thermocline (lakes)
RT: Epilimnion
Hypolimnion
Intermediate water masses
Seasonal thermocline
Thermal stratification
Thermocline
- Metallic elements
USE: **Metals**
- Metalliferous brines
USE: **Hot brines**
- Metalliferous sediments**
BT: Chemical sediments
RT: Copper
Hot brines
Hydrothermal deposits
Iron
Lead
Manganese
Metallogenesis
Mineral resources
Seabed deposits
Silver
Sulphide deposits
Zinc
- Metallogenesis**
UF: Metallogeny
- RT: Metalliferous sediments
Mineral deposits
- Metallogeny
USE: **Metallogenesis**
- Metallothioneins**
BT: Proteins
- Metallurgy**
BT: Technology
RT: Alloys
Mineral resources
- Metals**
UF: Metallic elements
Metals (chemical elements)
BT: Chemical elements
NT: Alkali metals
Alkaline earth metals
Heavy metals
Rare earths
Transition elements
Transuranic elements
RT: Alloys
Chelates
Metal ions
Organometallic complexes
Steel
Trace metals
- Metals (chemical elements)
USE: **Metals**
- Metals (materials)
USE: **Alloys**
- Metamorphic facies**
BT: Facies
NT: Amphibolite facies
Greenschist facies
- Metamorphic rocks**
BT: Rocks
NT: Amphibolites
Schists
Serpentinite
RT: Metamorphism
Slates
Zeolites
- Metamorphism**
NT: Hydrothermal alteration
RT: Low temperature
Metamorphic rocks
Metasomatism
- Metamorphosis**
SN: Any marked change in stage
of life cycle
BT: Biological phenomena
NT: Moulting
RT: Developmental stages
Larval development
Life cycle
- Metasomatism**
RT: Chertification
Diagenesis
Hydrothermal alteration
Metamorphism
Serpentinization
Silicification
- Meteorological balloons
USE: **Balloons**
- Meteorological buoys
USE: **Data buoys**
- Meteorological charts**
SN: Use of a more specific term is recommended
BT: Maps
NT: Weather maps
RT: Meteorological data
Meteorology
- Meteorological data**
BT: Data
NT: Climatic data
Meteorological observations
Wind data
RT: Marsden squares
Meteorological charts
Meteorological instruments
Meteorology
- Meteorological equipment
USE: **Meteorological instruments**
- Meteorological forcing
USE: **Atmospheric forcing**
- Meteorological fronts
USE: **Atmospheric fronts**
- Meteorological instruments**
UF: Meteorological equipment
BT: Instruments
NT: Rain gauges
RT: Actinometers
Balloons
Lidar
Meteorological data
Radiosondes
Sodar
Wind measuring equipment
- Meteorological observations**
BT: Meteorological data
RT: Weather maps
- Meteorological satellites
USE: **Scientific satellites**
- Meteorological tables**
UF: Conversion tables
(meteorology)
BT: Tables
RT: Conversion tables
Nautical almanacs
Oceanographic tables

Meteorological tides

BT: Tides
RT: Atmospheric tides
Lunar tides
Radiational tides
Solar tides
Storm surges

Meteorological weather fronts

USE: **Coastal atmospheric fronts**

Meteorologists

UF: Climatologists
BT: Scientific personnel
RT: Meteorology

Meteorology

UF: Marine meteorology
BT: Atmospheric sciences
NT: Polar meteorology
Tropical meteorology
RT: Air-sea coupling
Air-sea interaction
Atmospheric disturbances
Atmospheric fronts
Atmospheric motion
Atmospheric physics
Atmospheric precipitations
Atmospheric pressure
Earth atmosphere
Meteorological charts
Meteorological data
Meteorologists
Oceanography
Weather
Weather forecasting

Methane

BT: Acyclic hydrocarbons
RT: Chloroform
Gas hydrates
Methanogenesis

Methanogenesis

RT: Methane

Methionine

BT: Amino acids

Methodology

UF: Methods
RT: Analytical techniques
Best practices
Framework
Genotyping
Graphic methods
Manuals
Measurement
Planning
Standardization
System analysis
Technology

Methods

USE: **Methodology**

Methyl mercury

BT: Organometallic compounds

Micas

BT: Silicate minerals
NT: Biotite
Glauconite
Muscovite
RT: Slates

Micro-plastic pollution

UF: Microplastic pollution
Microplastic waste
BT: Pollution
RT: Plastic debris

Microalgae culture

USE: **Algal culture**

Microbenthos

USE: **Benthos**

Microbial activity

USE: **Microorganisms**

Microbial contamination

UF: Biological contamination
Microbial pollution
BT: Pollution
RT: Biological pollutants
Botulism
Diseases
Disinfection
Food contamination
Food poisoning
Fungi
Microbiological analysis
Microbiology
Microorganisms
Pathogens
Public health

Microbial degradation

USE: **Biodegradation**

Microbial mats

BT: Biofilms
RT: Algal mats
Biocoenosis
Biota
Biotopes
Microorganisms
Stromatolites

Microbial pollution

USE: **Microbial contamination**

Microbiological analysis

BT: Analysis
RT: Fungi
Microbial contamination
Microbiological culture
Microbiology
Microorganisms

Microbiological culture

BT: Laboratory culture
RT: Cultured organisms
Fungi
Microbiological analysis
Microbiology
Microorganisms

Microbiological strains

SN: A strain is a genetic variant or subtype of a micro-organism (e.g., virus or bacterium or fungus). Before 2016 search
STRAINS +
MICROORGANISMS
UF: Strains (microbiology)
BT: Taxa
RT: Bacteria
Viruses
Yeasts

Microbiologists

BT: Biologists
RT: Microbiology

Microbiology

BT: Biology
NT: Bacteriology
Mycology
Virology
RT: Food technology
Infectious diseases
Microbial contamination
Microbiological analysis
Microbiological culture
Microbiologists
Microorganisms
Parasitology
Pharmacology
Taxonomy

Microcards

USE: **Microforms**

Microcomputers

USE: **Computers**

Microcosms

RT: Mesocosms

Microearthquakes

BT: Earthquakes
RT: Microseisms

Microfauna

USE: **Microorganisms**

Microfiches

USE: **Microforms**

Microfilms

USE: **Microforms**

Microflora

USE: **Microorganisms**

Microforms

UF: Microcards
Microfiches
Microfilms
RT: Documents
Microphotography

Microhabitats

BT: Habitat
RT: Biotopes

Microinjection

SN: The injection of very small amounts of fluid, often with the aid of a microscope and microsyringes
BT: Genetic techniques
RT: Biotechnology
Genetically modified organisms

Microinvertebrates

UF: Aquatic microinvertebrates
BT: Aquatic invertebrates
RT: Brackishwater invertebrates
Freshwater invertebrates
Macroinvertebrates
Marine invertebrates

Micrometer calipers

USE: **Measuring devices**

Micronekton

USE: **Nekton**

Microorganisms

SN: Use of a more specific term is recommended. Before 1982 search MICRO-ORGANISMS
UF: Microbial activity
Microfauna
Microflora
NT: Bacteria
Phytoplankton
Probiotics
Viruses
Yeasts
RT: Algae
Algal blooms
Aquatic organisms
Biofilms
Epipsammon
Fungi
Microbial contamination
Microbial mats
Microbiological analysis
Microbiological culture
Microbiology
Nannoplankton
Phytobenthos
Prebiotics

Micropalaeontology

BT: Palaeontology
RT: Foraminifera
Geoid
Stratigraphy

Microphones

BT: Acoustic transducers
RT: Hydrophones

Microphotography

BT: Photography
RT: Microforms

Microplastic pollution

USE: **Micro-plastic pollution**

Microplastic waste

USE: **Micro-plastic pollution**

Microprocessors

RT: Computers

Microsatellites

SN: Short segments of DNA that consist of repeated sequences of nucleotides. A set of short repeated nucleotide sequences
RT: Chromosomes
DNA fingerprinting
Genomes
Nucleotide sequence

Microscopes

UF: Light microscopes
Optical microscopes
BT: Laboratory equipment
RT: Microscopy

Microscopy

BT: Analytical techniques
NT: Electron microscopy
Fluorescence microscopy
Light microscopy
RT: Chemical analysis
Cytology
Histology
Microscopes

Microseisms

BT: Seismic waves
RT: Microearthquakes

Microsomes

USE: **Ribosomes**

Microstructure

SN: Variations in the distribution of temperature, salinity and velocity on a scale of 10 cm or less
UF: Oceanic microstructure
BT: Spatial variations
NT: Salinity microstructure
Thermal microstructure
Velocity microstructure
RT: Double diffusion
Finestructure
Oceanic turbulence
Salt fingers

Microtopography

RT: Bottom erosion

Pock marks

Seachannels

Microwave imagery

UF: Radiometers (microwave)
BT: Imagery
NT: Radar imagery
RT: Microwave radiometers
Microwaves
Satellite mosaics
Satellite sensing

Microwave radar

BT: Radar
NT: Synthetic aperture radar
RT: Microwaves

Microwave radiation

USE: **Microwaves**

Microwave radiometers

BT: Radiometers
RT: Microwave imagery
Microwaves

Microwaves

UF: Microwave radiation
BT: Electromagnetic radiation
RT: Communication systems
Microwave imagery
Microwave radar
Microwave radiometers
Scatterometers

Mid-ocean eddies

USE: **Mesoscale eddies**

Mid-ocean ridges

UF: Mid-ocean rises
Mid-oceanic ridges
Midocean ridges
Rise (oceanic)
BT: Submarine ridges
RT: Diverging plate boundaries
Fracture zones
Median valleys
Plate divergence
Seafloor spreading
Seismic ridges
Transform faults

Mid-ocean rises

USE: **Mid-ocean ridges**

Mid-oceanic ridges

USE: **Mid-ocean ridges**

Midlatitude anticyclones

USE: **Anticyclones**

Midlatitude cyclones

USE: **Cyclones**

Midocean ridges

USE: **Mid-ocean ridges**

Midwater cages

USE: **Submerged cages**

ASFA THESAURUS

Midwater trawls

- UF: Beam trawls (midwater)
- Floating trawls
- Otter trawls (midwater)
- Pair trawls (midwater)
- BT: Trawl nets
- RT: Codends

Migrant species

USE: **Migratory species**

Migrations

- UF: Animal migrations
- BT: Behaviour
- NT: Feeding migrations
- Immigrations
- Oceanodromous migrations
- Potadromous migrations
- Spawning migrations
- Vertical migrations
- RT: Activity patterns
- Animal navigation
- Autecology
- Avoidance reactions
- Ecological distribution
- Geographical distribution
- Horizontal distribution
- Migratory species
- Orientation behaviour
- Overwintering
- Phenology
- Photoperiodicity
- Regional variations
- Seasonal distribution

Migratory species

- UF: Highly migratory species
- Migrant species
- BT: Species
- RT: Endemic species
- Migrations
- Overwintering
- Sedentary species
- United Nations Fish Stock Agreement

Military activities

USE: **Military operations**

Military oceanography

- BT: Oceanography
- RT: Defence craft
- Military operations
- Undersea warfare

Military operations

- UF: Military activities
- RT: Defence craft
- Military oceanography
- Military ports
- Security
- Surveillance and enforcement
- Undersea warfare

Military ports

- BT: Harbours

- RT: Artificial harbours
- Military operations
- Naval bases

Milk

- RT: Lactation

Milkfish culture

- SN: Before 2016 search FISH CULTURE + species name
- BT: Fish culture

Milt

USE: **Roes**

Mimicry

- SN: Imitation of another organism or object in the environment (in form, color, and/or behaviour)
- UF: Adaptive colouration
- BT: Adaptations
- RT: Camouflage
- Defence mechanisms
- Protective behaviour

Minced products

- UF: Comminuted products
- Fish balls
- Fish mince
- Fish paste
- Kamaboko
- Surimi
- BT: Processed fishery products
- RT: Fermented products

Mine tailings

- BT: Wastes
- RT: Bioreactors
- Mining
- Strip mine lakes

Mineral assemblages

- RT: Mineral deposits

Mineral collections

- SN: Collections of materials obtained by geological surveys
- BT: Collections
- RT: Mineral resources

Mineral composition

- BT: Composition
- RT: Hydrothermal alteration
- Mineral resources
- Mineralogy

Mineral deposits

- BT: Mineral resources
- NT: Seabed deposits
- Subsurface deposits
- RT: Chemical sediments
- Metallogenesis
- Mineral assemblages
- Mineral exploration
- Mineral samples
- Mineralization
- Minerals

- Ores
- Outcrops
- Placer mining

Mineral exploration

- UF: Exploratory mining
- BT: Geophysical exploration
- Resource exploration
- RT: Concessions
- Geostatistics
- Mineral deposits
- Mineral industry
- Offshore operations
- Placer mining
- Sediment sampling

Mineral industry

- SN: Industries of mineral resources or extraction of mineralized products of organic origin
- BT: Industries
- RT: Bioreactors
- Desalination plants
- Mineral exploration
- Mineral processing
- Mineral resources
- Mining

Mineral oils

USE: **Petroleum**

Mineral processing

- RT: Mineral industry
- Mineral resources
- Process plants

Mineral resources

- BT: Natural resources
- NT: Mineral deposits
- Ores
- RT: Freshwater resources
- Marine resources
- Metalliferous sediments
- Metallurgy
- Mineral collections
- Mineral composition
- Mineral industry
- Mineral processing
- Mining
- Nodules
- Nonrenewable resources
- Salts
- Underwater exploitation
- Underwater exploration

Mineral rights

USE: **Concessions**

Mineral salts

USE: **Salts**

Mineral samples

- BT: Geological samples
- RT: Mineral deposits
- Mineralogy

Mineralization

RT: Mineral deposits

Mineralogy

RT: Geochemistry
Geology
Mineral composition
Mineral samples
Minerals
Sediment chemistry
Sedimentology

Minerals

NT: Borate minerals
Carbonate minerals
Graphite
Halide minerals
Heavy minerals
Light minerals
Manganese minerals
Oxide minerals
Phosphate minerals
Silicate minerals
Sulphate minerals
Sulphide minerals
RT: Mineral deposits
Mineralogy
Mining

Minicomputers

USE: **Computers**

Mining

UF: Exploitation (minerals)
NT: Deep-sea mining
Placer mining
RT: Acid mine drainage
Bioreactors
Mine tailings
Mineral industry
Mineral resources
Minerals
Mining equipment
Mining legislation
Non-living resources

Mining equipment

BT: Equipment
RT: Hydraulic systems
Mining
Mining vessels

Mining legislation

BT: Legislation
RT: Concessions
Mining
Oil and gas legislation

Mining vessels

RT: Deep-sea mining
Mining equipment
Surface craft

Miocene

SN: Before 1982 search
MIOCENE EPOCH
BT: Neogene

NT: Messinian

Mirages

USE: **Atmospheric optical phenomena**

Mires

SN: A mire or quagmire, is a wetland terrain which is non-forested and peat-forming. Mire waters are located mostly below the soil surface level as are most of its plants.[Note: Bogs receive water mainly from precipitation, while fens are supplied with water mostly from surface and groundwater sources] Marshes and Swamps are non-peat forming. Marsh vegetation is dominated by grasses, Swamp vegetation by trees

UF: Quagmires

BT: Wetlands

NT: Bogs

Fens

RT: Marshes

Swamps

Mist

USE: **Fog**

Mistral

USE: **Local winds**

Mitigation

SN: Action(s) aimed at the root cause of a phenomenon so as to reduce the severity (e.g. for global warming = reducing greenhouse gases, planting trees)

RT: Management

Risk management

Mitochondria

SN: Before 1995 search CELL ORGANELLES

BT: Cell organelles

Mitosis

UF: Karokinesis

BT: Cell division

RT: Chromosomes

Gametophytes

Karyology

Meiosis

Nuclei

Mixed gas

UF: Helium oxygen mixture

BT: Breathing mixtures

Mixed layer

BT: Water column

NT: Bottom mixed layer

Surface mixed layer

RT: Isohalines

Mixed layer depth

Mixed layer depth

UF: Thermocline depth

BT: Depth

RT: Atmospheric forcing

Hurricanes

Mixed layer

Pycnocline

Thermocline

Mixed species culture

USE: **Polyculture**

Mixing (sediments)

USE: **Sediment mixing**

Mixing (water)

USE: **Water mixing**

Mixing length

BT: Length

RT: Eddy flux

Eddy viscosity

Exchange coefficients

Shear flow

Vortices

Mixing processes

RT: Aeration

Bioturbation

Cabbeling

Diffusion

Dispersion

Downwelling

Gas turbation

Interfaces

Overturn

Sediment mixing

Trans-isopycnal mixing

Turbulent diffusion

Turbulent entrainment

Upwelling

Water mixing

Mixing ratio

BT: Dimensionless numbers

Ratios

RT: Dew point

Humidity

Water vapour

Mobile platforms

SN: Towed or self-propelled structures with the working level above water operated in a fixed position, excluding vessels in conventional ship form

BT: Floating structures

NT: Jackup platforms

Semisubmersible platforms

Submersible platforms

RT: Decks

Fixed platforms

Mobility

RT: Immobilization

- Locomotion
Motion
- Modelling**
SN: Before 1982 search
SIMULATION
RT: Geostatistics
Mathematical programming
Models
Simulation
Spatial analysis
Surplus production
- Models**
NT: Analog models
Mathematical models
Scale models
RT: Computation
Modelling
Prototypes
Simulators
- Modes**
NT: Baroclinic mode
Barotropic mode
- Modifiers
USE: **Additives**
- Modules**
SN: Use for prefabricated units of equipment
UF: Skid mounted units
RT: Equipment
- Moho**
UF: Mohorovicic discontinuity
BT: Seismic discontinuities
RT: Asthenosphere
Basement rock
Continental drift
Earth mantle
Earth structure
Lithosphere
Plate tectonics
Seafloor spreading
Seismic velocities
Tectonophysics
- Mohorovicic discontinuity
USE: **Moho**
- Moisture**
RT: Evaporation
Moisture transfer
Water vapour
- Moisture content
USE: **Water content**
- Moisture flux
USE: **Moisture transfer**
- Moisture transfer**
UF: Mass transfer (air-water exchanges)
Moisture flux
- Water vapour transfer
RT: Air-water exchanges
Air-water interface
Atmospheric boundary layer
Energy transfer
Evaporation
Moisture
- Molecular biology**
SN: Used only for general overviews; use of a more specific term is recommended
BT: Biology
- Molecular diffusion**
BT: Diffusion
NT: Double diffusion
RT: Osmosis
- Molecular heat conduction
USE: **Heat conduction**
- Molecular hybridization
USE: **Hybridization**
- Molecular markers
USE: **Genetic markers**
- Molecular mass
USE: **Molecular weight**
- Molecular structure**
RT: Molecular weight
Molecules
- Molecular taxonomy
USE: **Chemotaxonomy**
- Molecular viscosity**
BT: Viscosity
RT: Laminar flow
Momentum transfer
- Molecular weight**
UF: Molecular mass
BT: Weight
RT: Chemical properties
Molecular structure
- Molecules**
NT: Biochemical substrates
RT: Ligands
Molecular structure
Plasmids
- Mollusc culture**
UF: Mollusk culture
BT: Shellfish culture
NT: Bivalve culture
Cephalopod culture
Gastropod culture
RT: Aquatic molluscs
Brackishwater molluscs
Freshwater molluscs
Marine molluscs
Raft culture
- Mollusc fisheries**
UF: Mollusk fisheries
BT: Shellfish fisheries
NT: Cephalopod fisheries
Clam fisheries
Gastropod fisheries
Mussel fisheries
Oyster fisheries
Scallop fisheries
RT: Aquatic molluscs
Brackishwater molluscs
Freshwater molluscs
Marine molluscs
- Molluscan larvae**
UF: Molluscan larvae
BT: Invertebrate larvae
NT: Glochidia
Spat
Veligers
- Molluscicides**
UF: Molluskicides
BT: Pesticides
RT: Ichthyocides
- Molluscs (aquatic)
USE: **Aquatic molluscs**
- Molluscs (brackishwater)
USE: **Brackishwater molluscs**
- Molluscs (freshwater)
USE: **Freshwater molluscs**
- Molluscs (marine)
USE: **Marine molluscs**
- Mollusk culture
USE: **Mollusc culture**
- Mollusk fisheries
USE: **Mollusc fisheries**
- Molluscan larvae
USE: **Molluscan larvae**
- Molluskicides
USE: **Molluscicides**
- Mollusks (brackishwater)
USE: **Brackishwater molluscs**
- Mollusks (freshwater)
USE: **Freshwater molluscs**
- Mollusks (marine)
USE: **Marine molluscs**
- Molting
USE: **Moulting**
- Molybdenum**
BT: Heavy metals
Transition elements
RT: Ferromanganese nodules
Molybdenum compounds
Molybdenum isotopes

Molybdenum compounds

BT: Chemical compounds
RT: Molybdenum

Molybdenum isotopes

BT: Isotopes
RT: Molybdenum

Momentum

NT: Angular momentum
RT: Conservation of momentum
Diffusion
Mechanics
Momentum transfer

Momentum conservation

USE: **Conservation of momentum**

Momentum flux

USE: **Momentum transfer**

Momentum transfer

UF: Momentum flux
RT: Air-water exchanges
Air-water interface
Atmospheric boundary layer
Dynamic viscosity
Eddy viscosity
Energy transfer
Molecular viscosity
Momentum
Prandtl number
Reynolds stresses
Wave-current interaction
Wave interactions
Wind wave generation

Monazite

BT: Phosphate minerals
RT: Placers
Thorium

Monin-Obukhov length

RT: Density stratification
Stability
Water density

Monitoring

NT: Environmental monitoring
RT: Baseline studies
Control
Inspection
Long-term changes
Monitoring systems
Observers

Monitoring stations

USE: **Monitoring systems**

Monitoring systems

SN: Before 1982 search
MONITORING STATIONS
UF: Monitoring stations
RT: Equipment
Fixed stations

Monitoring

Recording equipment

Telemetry

Monoclonal antibodies

BT: Antibodies

Monoculture

UF: Monospecific culture
BT: Aquaculture techniques
RT: Axenic culture
Cage culture
Crustacean culture
Fish culture
Freshwater aquaculture
Polyculture
Raceway culture

Monocyclic hydrocarbons

USE: **Aromatic hydrocarbons**

Monographs

USE: **Synopsis**

Monolayers

USE: **Monomolecular films**

Monomolecular films

UF: Monolayers
BT: Surface films
RT: Surface microlayer

Monosaccharides

BT: Saccharides
NT: Arabinose
Fucose
Glucose
Mannose
Ribose
Xylose

Monosex culture

BT: Aquaculture techniques
RT: Fish culture
Intensive culture

Monospecific culture

USE: **Monoculture**

Monoterpenes

USE: **Terpenes**

Monsoon reversal

RT: Current reversal
Equatorial circulation
Equatorial dynamics
Monsoons
Tropical oceanography

Monsoons

BT: Planetary winds
RT: Monsoon reversal
Rainy season
Sea breezes
Tropical environment
Tropical meteorology
Tropical oceanography

Monthly

BT: Periodicity

Monthly distribution

BT: Temporal distribution

Montmorillonite

BT: Clay minerals
RT: Bentonite

Moon

RT: Astronomy
Moon phases

Moon effects

USE: **Moon phases**

Moon phases

SN: Moon phases and their influence on behaviour of aquatic organisms and on sea level
UF: Lunar cycles
Lunar effects
Moon effects
RT: Astronomy
Circadian rhythms
Cycles
Moon
Nyctimeral rhythms
Tides

Mooring buoys

BT: Buoys
NT: Loading buoys
RT: Berthing
Mooring lines
Mooring systems

Mooring lines

BT: Cables
RT: Catenary
Chain
Mooring buoys
Mooring motion effects
Mooring systems
Ropes
Towing lines
Wire angle

Mooring motion effects

SN: Influence of motion on instrumental observations made from moored equipment
BT: Motion effects
RT: Buoy motion effects
Mooring lines
Mooring systems

Mooring recovery

SN: Recovery of moorings for oceanographic equipment
BT: Recovery
RT: Buoy mooring systems

Mooring ships

USE: **Berthing**

Mooring systems

SN: Use of a more specific term is recommended. Before 1982 search also **MOORINGS**
 UF: Moorings
 NT: Buoy mooring systems
 Current meter moorings
 Ship mooring systems
 RT: Anchoring
 Mooring buoys
 Mooring lines
 Mooring motion effects

Moorings

USE: **Mooring systems**

Moraines

BT: Glacial features
 RT: Glacial deposits

Moratoria

SN: A mandatory cessation of fishing activities on a species, in an area, with a particular gear, and for a specified period of time.
 UF: Moratorium
 BT: Fishery regulations

Moratorium

USE: **Moratoria**

Morbidity

USE: **Diseases**

Morison's equation

BT: Equations
 RT: Wave forces

Morphogenesis

SN: The development of form and structure of an organism or part of an organism
 NT: Gametogenesis
 RT: Embryology
 Embryonic development
 Evolution
 Genetics
 Ontogeny
 Organism morphology
 Organogenesis
 Vitellogenesis

Morphology (animal)

USE: **Animal morphology**

Morphology (coastal)

USE: **Coastal morphology**

Morphology (plant)

USE: **Plant morphology**

Morphometric analysis

USE: **Morphometry**

Morphometry

SN: Measurement and mathematical analysis of the configuration of the earth's surface (e.g. shape and dimension of rivers, lakes, bays, water sheds, river basins etc.)
 UF: Morphometric analysis
 Morphometry (hydrology)
 RT: Bathymetry
 Bottom topography
 Dimensions
 Hypsometric curves
 Shape

Morphometry (biology)

USE: **Organism morphology**

Morphometry (hydrology)

USE: **Morphometry**

Morphometry (organisms)

USE: **Organism morphology**

Mortality

UF: Death rate
 Mortality rate
 BT: Population functions
 NT: Fishing mortality
 Natural mortality
 Tagging mortality
 Total mortality
 RT: Longevity
 Mortality causes
 Survival

Mortality causes

SN: Any known or hypothesized causes for mortality
 RT: Algal blooms
 Anoxia
 Asphyxia
 Cancer
 Diseases
 Diving accidents
 Drowning
 Epidemics
 Famine
 Fish kill
 Hypercapnia
 Hypothermia
 Lethal effects
 Mortality
 Pollutants
 Pollution effects
 Predation
 Slaughter
 Starvation
 Survival
 Toxicants

Mortality rate

USE: **Mortality**

Mother ships

SN: Before 1982 search **MOTHERSHIPS**

BT: Support ships

RT: Fishing vessels
 Submersibles
 Underwater vehicles

Motion

UF: Movement
 NT: Anticyclonic motion
 Atmospheric motion
 Buoy motion
 Cyclonic motion
 Fluid motion
 Ground motion
 Particle motion
 Rotation
 Sediment movement
 Ship motion
 Tidal motion
 Water motion
 RT: Displacement
 Drift
 Inertia
 Mobility
 Motion effects
 Oscillations

Motion effects

SN: Effects of motion on instrumental observations
 NT: Buoy motion effects
 Mooring motion effects
 RT: Motion

Motion sickness

USE: **Sea sickness**

Motor boats

SN: Before 1982 search **BOATS**
 BT: Boats

Motor fuels

USE: **Fuels**

Motors

UF: Engines
 NT: Diesel engines
 Turbines
 RT: Electric generators
 Electric power sources
 Propulsion systems

Moulting

UF: Ecdysis
 Molting
 Moulting cycle
 Moult
 BT: Metamorphosis
 RT: Ecdysons

Moulting cycle

USE: **Moulting**

Moulting hormones

USE: **Ecdysons**

Moult

USE: **Moulting**

Mountain building
USE: **Orogeny**

Mountain waves
USE: **Lee waves**

Mountains
BT: Landforms
RT: Orogeny
Seamounts
Submarine ridges

Mouth (biological)
USE: **Mouth parts**

Mouth (river)
USE: **River mouth**

Mouth parts
SN: Used for animals only
UF: Mouth (biological)
NT: Baleens
Beaks
Radulae
Teeth
RT: Alimentary organs

Movement
USE: **Motion**

Movements (local)
USE: **Local movements**

mtDNA
SN: DNA of the mitochondria;
carrier of genetic information
useful in examining genetic
identity of an individual
BT: DNA

Mucins
UF: Mucoproteins
BT: Proteins
RT: Exocrine glands
Mucus

Mucopolysaccharides
BT: Polysaccharides
NT: Chitin
Heparin

Mucoproteins
USE: **Mucins**

Mucus
BT: Body fluids
Secretory products
RT: Exocrine glands
Mucins

Mud
BT: Clastics
NT: Fluid mud
RT: Clays
Cohesive sediments
Marl

Mud banks
Mud flats
Oozes
Silt
Sludge
Slurries
Soils
Tidal flats

Mud banks
BT: Banks (topography)
Bed forms
RT: Mud
Sand banks
Submarine banks
Tidal flats

Mud flats
BT: Sedimentary structures
RT: Mud

Mud volcanoes
SN: Formations created created
when mud and sand under the
surface are squeezed upward by
compressive forces and/or gas -
commonly found in areas rich in
oil and natural gas.
BT: Volcanoes
RT: Continental shelves
Petroleum geology

Mudflows
USE: **Debris flow**

Muds (drilling)
USE: **Drilling fluids**

Mudstone
BT: Clastics
Sedimentary rocks
RT: Lutites
Siltstone
Slates

Mullet fisheries
BT: Finfish fisheries

Multibeam sonar
BT: Active sonar

Multinational expeditions
USE: **Multiship expeditions**

Multiphase flow
UF: Three phase flow
Two phase flow
BT: Fluid flow
RT: Laminar flow
Turbulent flow
Unsteady flow

Multiple use of resources
RT: Exploitation
Natural resources

Multiship expeditions
SN: Surveys involving the use of
two or more research vessels
UF: Expeditions (multiship)
International expeditions
Multinational expeditions
BT: Expeditions
RT: Cruises
Research vessels

Multispecies fisheries
BT: Fisheries
RT: Catch composition
Dominant species
Ecological succession

Multispectral scanners
RT: Radiometers
Remote sensing equipment
Satellite photography
Water colour

Multivariate analysis
BT: Variance analysis

Muscle fibers
USE: **Muscles**

Muscles
UF: Muscle fibers
Red muscles
Smooth muscles
Striated muscles
Tendous musculature
White muscles
BT: Musculoskeletal system
RT: Actin
Cholinesterase inhibitors
Glycogen
Myoglobins
Myosin
Tissues

Muscovite
BT: Micas

Muscular system
USE: **Musculoskeletal system**

Musculoskeletal system
SN: Before 1982 search
MUSCULAR SYSTEM and/or
SKELETON
UF: Muscular system
NT: Muscles
Skeleton
RT: Cartilage
Connective tissues

Museum collections
BT: Collections
RT: Archivists
Museums

Museums
BT: Information centres
RT: Exhibitions
Museum collections

Muskeg

SN: Muskeg is a bog with scattered or clumped, stunted conifer trees. It is common in Arctic and boreal areas

BT: Bogs

RT: Fens

Marshes

Swamps

Wetlands

Mussel culture

SN: Before 1982 use MOLLUSC CULTURE

BT: Bivalve culture

RT: Mussel fisheries

Spat

Mussel fisheries

BT: Mollusc fisheries

RT: Mussel culture

Mutagenesis

BT: Genetics

RT: Mutagens

Mutations

Mutagenic agents

USE: **Mutagens**

Mutagens

SN: Substances producing mutations

UF: Mutagenic agents

BT: Agents

RT: Genetics

Mutagenesis

Mutations

Mutations

SN: Change in the characteristics of an organism by alteration of hereditary material

UF: Chromosome mutations

Gene mutations

Lethal mutations

Somatic mutations

BT: Biological phenomena

RT: Biological speciation

Bioselection

Chromosomes

Degeneration

Evolution

Genes

Genetic abnormalities

Genetic drift

Genetics

Genotypes

Mutagenesis

Mutagens

New species

Mutualism

USE: **Symbiosis**

Mycobacterial infections

USE: **Tuberculosis**

Mycology

BT: Microbiology

RT: Fungal diseases

Fungi

Fungicides

Parasitology

Mycoses

USE: **Fungal diseases**

Mycotic diseases

USE: **Fungal diseases**

Myoglobins

BT: Proteins

RT: Blood

Muscles

Myoneme

USE: **Cell organelles**

Myosin

BT: Proteins

RT: Muscles

Nannofossil ooze

RT: Calcareous ooze

Coccoliths

Nannoplankton

SN: Planktonic organisms smaller than 60 microns

UF: Bacterioplankton

Nanoplankton

BT: Plankton

RT: Bacteria

Filter feeders

Microorganisms

Nanoparticles

SN: Ultrafine particles sized between 1 and 100 nanometers

UF: Nanotubules

RT: Bioaccumulation

Ecotoxicology

Particle size

Pollutants

Pollution

Toxicity

Nanoplankton

USE: **Nannoplankton**

Nanotubules

USE: **Nanoparticles**

Nansen bottles

USE: **Water samplers**

Naphthalene

BT: Aromatic hydrocarbons

Nappes

SN: Large horizontal recumbent tectonic folds that have travelled along thrust planes

BT: Folds

RT: Tectonics

Narcosis

NT: Nitrogen narcosis

Narcotics

BT: Drugs

RT: Anaesthetics

Natality

USE: **Fecundity**

National allocation

USE: **Allocation systems**

National boundaries

USE: **International boundaries**

National planning

UF: Planning (national)

BT: Planning

RT: Regional planning

Native fishing

USE: **Indigenous fishing**

Native species

USE: **Natural populations**

Natural breeding

USE: **Breeding**

Natural disasters

USE: **Disasters**

Natural fibre rope

USE: **Fibre rope (natural)**

Natural food

USE: **Food organisms**

Natural frequency

USE: **Resonant frequency**

Natural gas

BT: Fossil fuels

Gases

NT: Liquefied natural gas

RT: Crude oil

Gas condensates

Gas fields

Gas production

Gas seepages

Gas terminals

Oil

Oil-gas interface

Oil and gas exploration

Oil and gas industry

Oil and gas legislation

Petroleum

Natural habitat

USE: **Habitat**

Natural immunity

USE: **Immunity**

Natural increase
USE: **Biological production**

Natural mortality

UF: Natural mortality coefficient
BT: Mortality
RT: Biotic pressure
Diseases
Predation
Total mortality

Natural mortality coefficient
USE: **Natural mortality**

Natural populations

SN: All individuals of a certain species inhabiting a specified region
UF: Indigenous species
Native species
Populations (natural)
Wild fish
NT: Animal populations
Plant populations
RT: Population characteristics
Population control
Population dynamics
Population factors
Population functions
Population genetics
Population structure

Natural production
USE: **Biological production**

Natural resources

SN: Restricted to resources within or beneath the aquatic environment
UF: Aquatic natural resources
BT: Resources
NT: Common property resources
Energy resources
Food resources
Freshwater resources
Living resources
Marine resources
Mineral resources
Nonrenewable resources
Renewable resources
Unconventional resources
Water resources
RT: Multiple use of resources
Protected resources
Rare resources
Raw materials
Resource conservation
Resource management
Spatial planning

Natural selection

UF: Survival of the fittest
BT: Biotselection
RT: Competition
Environmental effects

Nature conservation

UF: Wildlife conservation
BT: Conservation
NT: Coral reef conservation
Mangrove conservation
RT: Cryptic species
Environment management
Rare species
Refuges
Sanctuaries
Species extinction
Threatened species
Vulnerable species

Nature reserves
USE: **Protected areas**

Nature tourism
USE: **Ecotourism**

Nauplii

BT: Crustacean larvae

Nautical almanacs

UF: Ephemeris
BT: Almanacs
RT: Meteorological tables
Navigational tables

Nautical archaeology
USE: **Archaeology**

Nautical bottom
USE: **Water depth**

Nautical charts
USE: **Navigational charts**

Naval architecture
USE: **Ship technology**

Naval bases

BT: Harbours
RT: Defence craft
Military ports

Naval craft
USE: **Defence craft**

Naval engineering
USE: **Ship technology**

Naval technology
USE: **Ship technology**

Navier-Stokes equations

BT: Equations
RT: Hydrodynamics
Reynolds stresses

Naviface
USE: **Air-water interface**

Navigable channels
USE: **Navigational channels**

Navigation

SN: Use of a more specific term is

recommended; used only for general aspects
UF: Surface navigation
NT: Acoustic navigation
Celestial navigation
Dead reckoning
Inertial navigation
Navigation in ice
Navigation underwater
Radar navigation
Radio navigation
Satellite navigation
RT: Animal navigation
Direction finding
Dynamic positioning
Navigation policy
Navigation regulations
Navigational aids
Navigational buoys
Navigational hazards
Position fixing
Seamanship
Ship handling
Ship routeing
Standard signals

Navigation (animal)
USE: **Animal navigation**

Navigation canals
USE: **Ship canals**

Navigation channels
USE: **Navigational channels**

Navigation in ice

SN: Before 1982 search ICE
NAVIGATION
UF: Ice navigation
Polar navigation
BT: Navigation
RT: Ice
Ice-free periods
Ice breakers
Ice breaking
Ice breakup
Ice jams
Ice routeing
Leads
Navigation under ice
Polar exploration

Navigation policy

BT: Policies
RT: Navigation
Navigation regulations

Navigation regulations

UF: Navigational regulations
Shipping rules
BT: Legislation
NT: Harbour regulations
RT: Collision avoidance
Navigation
Navigation policy
Shipping
Traffic management

Navigation systems

RT: Autopilots
 Navigational aids

Navigation under ice

BT: Navigation underwater
 RT: Inertial navigation
 Navigation in ice
 Polar exploration

Navigation underwater

UF: Seabed acoustic position fixing
 Underwater navigation
 BT: Navigation
 NT: Navigation under ice
 RT: Acoustic navigation
 Acoustic tracking systems
 Inertial navigation

Navigational aids

NT: Acoustic beacons
 Compasses
 Lighthouses
 Marker buoys
 Navigational buoys
 Navigational charts
 Navigational tables
 RT: Autopilots
 Lightships
 Navigation
 Navigation systems
 Navigational safety
 Position fixing
 Radar

Navigational buoys

SN: Before 1982 search also
 NAVIGATION BUOYS
 BT: Buoys
 Navigational aids
 RT: Navigation

Navigational channels

UF: Navigable channels
 Navigation channels
 BT: Channels
 RT: Ship canals

Navigational charts

SN: Before 1982 search also
 NAVIGATION CHARTS
 UF: Lattice charts
 Nautical charts
 Pilot charts
 BT: Maps
 Navigational aids
 RT: Hydrographic surveys
 Navigational hazards
 Navigational safety
 Navigational tables

Navigational hazards

BT: Hazards
 RT: Navigation
 Navigational charts

Shoals
 Wrecks

Navigational regulations
 USE: **Navigation regulations**

Navigational safety

BT: Maritime safety
 RT: Collision avoidance
 Collisions
 Groundings
 Navigational aids
 Navigational charts

Navigational satellites

BT: Satellites
 RT: Satellite navigation

Navigational tables

BT: Navigational aids
 Tables
 RT: Decca
 Loran
 Nautical almanacs
 Navigational charts
 Oceanographic tables
 Omega

Neap tides

BT: Tides

Near-bottom currents
 USE: **Bottom currents**

Near-surface circulation
 USE: **Surface circulation**

Near-surface layer

SN: Part of surface layer in which surface water wave motion is a major factor in buoy and mooring motions and instrument observations, e.g. current meter readings
 BT: Surface layers
 RT: Surface microlayer
 Surface water waves

Nearshore bars

UF: Bars
 Offshore bars
 Submarine bars
 BT: Beach features
 NT: Break-point bars
 Longshore bars
 Transverse bars
 RT: Barrier beaches
 Bed forms
 Deposition features
 Destructive waves
 Nearshore dynamics
 Sand bars

Nearshore circulation
 USE: **Nearshore dynamics**

Nearshore currents

SN: Before 1982 search
 LITTORAL CURRENTS and
 ONSHORE CURRENTS
 UF: Coastal currents (littoral)
 Inshore currents
 Littoral currents
 Onshore currents
 BT: Water currents
 NT: Longshore currents
 Rip currents
 Undertow
 RT: Coastal currents
 Coastal oceanography
 Estuarine dynamics
 Nearshore dynamics
 Upwelling
 Wind-driven currents

Nearshore dynamics

UF: Nearshore circulation
 BT: Shelf dynamics
 RT: Bay dynamics
 Coastal boundary layer
 Coastal jets
 Coastal oceanography
 Coastal waters
 Dynamical oceanography
 Estuarine dynamics
 Lake dynamics
 Nearshore bars
 Nearshore currents
 Nearshore sedimentation
 Surf zone
 Waves on beaches

Nearshore environment
 USE: **Coastal zone**

Nearshore oceanography
 USE: **Coastal oceanography**

Nearshore sedimentation

UF: Littoral sedimentation
 BT: Sedimentation
 RT: Intertidal sedimentation
 Littoral deposits
 Nearshore dynamics
 Sedimentary environments
 Sublittoral zone

Necroses

UF: Gangrenes
 Piscine erythrocyte necrosis
 BT: Symptoms
 NT: Ulcerative dermal necrosis
 RT: Anoxia
 Cells
 Diseases
 Injuries

Necton
 USE: **Nekton**

Necton collecting devices
 USE: **Nekton collecting devices**

Negative ions

USE: **Anions**

Nehrung

USE: **Barrier spits**

Nekton

UF: Micronekton

Necton

BT: Aquatic communities

RT: Nekton collecting devices

Nekton collecting devices

UF: Nekton collecting devices

BT: Collecting devices

RT: Fishing nets

Nekton

Zooplankton

Nematocysts

USE: **Stinging organs**

Neodymium

BT: Lanthanides

RT: Neodymium isotopes

Neodymium isotopes

BT: Isotopes

RT: Neodymium

Neogene

UF: Upper tertiary

BT: Tertiary

NT: Miocene

Pliocene

Neon

BT: Rare gases

RT: Neon isotopes

Neon isotopes

BT: Isotopes

RT: Neon

Neoplasms

USE: **Tumours**

Neoteny

SN: Retention of larval characters
beyond the usual period

UF: Pedomorphism

BT: Biological properties

RT: Larvae

Nepheloid layer

UF: Nepheloid zone

BT: Discontinuity layers

RT: Continental rise

Contour currents

Light scattering

Nephelometers

Suspended particulate matter

Turbidity

Turbidity currents

Nepheloid zone

USE: **Nepheloid layer**

Nephelometers

BT: Measuring devices

RT: Light measuring instruments

Nepheloid layer

Photometers

Water transparency

Nephrons

USE: **Kidneys**

Neptunium

BT: Actinides

Transuranic elements

RT: Neptunium isotopes

Neptunium isotopes

BT: Isotopes

RT: Neptunium

Neritic province

SN: All of the water mass from
the lowest tide line to the outer
edge of the continental shelf

UF: Neritic region

Neritic zone

BT: Pelagic environment

RT: Continental shelves

Epipelagic zone

Littoral zone

Oceanic province

Neritic region

USE: **Neritic province**

Neritic zone

USE: **Neritic province**

Nerve cells

USE: **Neurons**

Nerve fibers

USE: **Nerves**

Nerve ganglia

USE: **Ganglia**

Nerve tissues

USE: **Nervous tissues**

Nerves

UF: Afferent nerves

Efferent nerves

Nerve fibers

Peripheral nerves

BT: Peripheral nervous system

RT: Brain

Connective tissues

Ganglia

Nervous tissues

Nervous system

BT: Anatomical structures

NT: Autonomic nervous system

Central nervous system

Peripheral nervous system

RT: Nervous tissues

Neurons

Neurophysiology

Neurosecretion

Neurosecretory system

Neurotransmitters

Synapses

Thyroid

Nervous tissues

UF: Nerve tissues

BT: Tissues

RT: Ganglia

Nerves

Nervous system

Neurons

Neurosecretion

Sense organs

Nesting

UF: Nesting activity

Nesting behaviour

RT: Bird eggs

Breeding

Breeding seasons

Breeding sites

Clutch

Hatching

Nests

Reproductive behaviour

Nesting activity

USE: **Nesting**

Nesting behaviour

USE: **Nesting**

Nests

RT: Bird eggs

Breeding sites

Clutch

Nesting

Redds

Net avoidance

USE: **Avoidance reactions**

Net construction

USE: **Gear construction**

Net culture

USE: **Cage culture**

Net fishing

BT: Catching methods

NT: Seining

Trawling

RT: Fishing nets

Net radiation

USE: **Radiation balance**

Net solar radiation

USE: **Solar radiation**

Net sounders

UF: Netsondes

BT: Acoustic equipment

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RT: Trawl nets
Trawling

Net terrestrial radiation
USE: **Terrestrial radiation**

Nets

NT: Fishing nets
RT: Netting materials
Ropes

Netsondes
USE: **Net sounders**

Netting materials

SN: Hand- or machine-made material for fishing nets
BT: Gear materials
RT: Nets
Synthetic fibres

Neurohumor
USE: **Neurotransmitters**

Neurones
USE: **Neurons**

Neurons

SN: Search also NEURONES
UF: Axons
Dendrites
Nerve cells
Neurones
BT: Cells
RT: Nervous system
Nervous tissues
Neurotransmitters
Receptors
Synapses

Neurophysiology

BT: Physiology
RT: Nervous system
Neurosecretory system
Neurotransmitters
Sense functions
Sense organs

Neurosecretion

BT: Secretion
RT: Nervous system
Nervous tissues
Neurosecretory system
Pineal organ

Neurosecretory system

BT: Anatomical structures
RT: Nervous system
Neurophysiology
Neurosecretion
Pineal organ

Neurotoxins

SN: Toxins which affect the nervous system. Before 1982 search
POISONS (BIOLOGICAL)

BT: Biological poisons
RT: Botulism
Tetrodotoxin

Neurotransmitters

UF: Acetylcholine
Neurohumor
BT: Hormones
RT: Nervous system
Neurons
Neurophysiology
Synapses

Neuston

BT: Aquatic communities
RT: Plankton collecting devices

Neutrally buoyant floats

USE: **Swallow floats**

Neutron activation analysis

BT: Activation analysis

New classes

BT: New taxa

New distribution

USE: **New records**

New families

BT: New taxa

New genera

UF: New genus
BT: New taxa
RT: Evolution

New genus

USE: **New genera**

New orders

BT: New taxa

New product development

USE: **Product development**

New products

UF: Improved products
BT: Products
RT: Industrial products
Product development

New records

UF: New distribution
RT: Distribution

New species

BT: New taxa
Species
RT: Biological speciation
Evolution
Mutations

New taxa

BT: Taxa
NT: New classes
New families

New genera
New orders
New species
New varieties
RT: Holotypes
Lectotype
Type localities

New varieties

BT: New taxa

New vessels

BT: Surface craft
RT: Ship design
Ship technology
Shipyards

Niches

UF: Ecological niches
RT: Aquatic communities
Behaviour
Biotopes
Ecosystems
Habitat

Nickel

BT: Heavy metals
Transition elements
RT: Ferromanganese nodules
Nickel compounds
Nickel isotopes

Nickel compounds

BT: Chemical compounds
RT: Nickel

Nickel isotopes

BT: Isotopes
RT: Nickel

Nicotinic acid

BT: Organic acids

Nighttime

RT: Daytime
Diurnal variations

Niobium

UF: Columbium
BT: Heavy metals
RT: Niobium isotopes

Niobium isotopes

BT: Isotopes
RT: Niobium

Niskin samplers

USE: **Water samplers**

Nitrate cycle

USE: **Nitrogen cycle**

Nitrates

BT: Nitrogen compounds
RT: Nitrites
Nitrogen cycle
Nutrients (mineral)
Salts

Nitric acids

SN: Before 1978 search
INORGANIC ACIDS
UF: Nitrous acid
BT: Inorganic acids

Nitrification

BT: Chemical reactions
RT: Denitrification
Nitrogen cycle

Nitrites

BT: Nitrogen compounds
RT: Nitrates
Nitrogen cycle
Salts

Nitrogen

BT: Atmospheric gases
Nonmetals
NT: Organic nitrogen
RT: Carbon-nitrogen ratio
Nitrogen compounds
Nitrogen cycle
Nitrogen fixation
Nitrogen isotopes
Non-conservative properties

Nitrogen compounds

UF: Nitrogenous compounds
BT: Chemical compounds
NT: Ammonia
Nitrates
Nitrites
Nitrous oxide
RT: Amino acids
Chemical fertilizers
Cyanides
Nitrogen
Nitrogen cycle
Nitrogen fixation
Organic compounds
Organic nitrogen
Proteins
Urea

Nitrogen cycle

UF: Nitrate cycle
BT: Nutrient cycles
RT: Ammonia
Denitrification
Nitrates
Nitrification
Nitrites
Nitrogen
Nitrogen compounds
Nitrogen fixation

Nitrogen fixation

SN: The process by which certain bacteria are able to transform elemental nitrogen into ammonia
BT: Chemical reactions
RT: Ammonia
Biochemical phenomena

Nitrogen
Nitrogen compounds
Nitrogen cycle

Nitrogen isotopes

BT: Isotopes
RT: Nitrogen

Nitrogen narcosis

BT: Narcosis
RT: Decompression sickness
Underwater medicine

Nitrogenous compounds

USE: **Nitrogen compounds**

Nitrosamines

BT: Amines

Nitrous acid

USE: **Nitric acids**

Nitrous oxide

BT: Nitrogen compounds
Oxides

NMR techniques

USE: **Nuclear magnetic resonance**

Nobbing

USE: **Gutting**

Noble gases

USE: **Rare gases**

Nodal tides

BT: Tides
RT: Long-period tides
Tidal perturbation

Node construction

RT: Joints
Offshore structures
Tubing

Nodes

USE: **Joints**

Nodules

SN: Use only for chemical sediments found on seafloor
BT: Chemical sediments
NT: Ferromanganese nodules
Phosphorite nodules
RT: Cherts
Concretions
Mineral resources
Seabed deposits
Sedimentary structures

Noise (electronics)

USE: **Electronic noise**

Noise (radar echoes)

USE: **Radar clutter**

Noise (sound)

BT: Sound
NT: Ambient noise
Underwater noise
RT: Noise reduction
Vibration

Noise generators

USE: **Sound generators**

Noise reduction

UF: Noise suppression
BT: Damping
RT: Acoustic insulation
Noise (sound)

Noise suppression

USE: **Noise reduction**

Nomenclature

USE: **Terminology**

Nomograms

USE: **Conversion tables**

Non-cohesive sediments

USE: **Cohesionless sediments**

Non-conservative properties

BT: Properties
RT: Conservative properties
Dissolved oxygen
Nitrogen
Phosphates
Silicates
Water masses

Non-indigenous species

USE: **Introduced species**

Non-living resources

SN: Use of a more specific term is recommended
BT: Resources
RT: Desalination
Drinking water
Ferromanganese nodules
Mining
Oil and gas production
Power from the sea

Non-native species

USE: **Introduced species**

Non-Newtonian fluids

BT: Fluids
RT: Rheology

Non-parametric methods

SN: A method commonly used in statistics to model and analyze ordinal or nominal data with small sample sizes. Unlike parametric models, nonparametric models do not require the modeler to make any assumptions about the

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- distribution of the population,
and so is sometimes referred to
as a distribution-free method
UF: Distribution-free methods
BT: Statistical analysis
RT: Parametric methods
- Non-target species
USE: **By catch**
- Non penaeid shrimp fisheries
USE: **Shrimp fisheries**
- Non point pollution sources
USE: **Nonpoint pollution sources**
- Nonconventional resources
USE: **Unconventional resources**
- Nondestructive testing**
UF: Acoustic emission testing
Flaw detection
Magnetic particle testing
Radiographic testing
Ultrasonic testing
BT: Materials testing
RT: Acoustic emission
Tomography
- Nonferrous alloys**
BT: Alloys
- Nonindigenous species
USE: **Introduced species**
- Nonlinear equations**
BT: Equations
RT: Differential equations
Integral equations
Numerical analysis
- Nonlinear wave interactions**
BT: Wave interactions
RT: Nonlinear waves
- Nonlinear waves**
BT: Water waves
NT: Finite amplitude waves
Stokes waves
RT: Capillary waves
Internal waves
Linear waves
Nonlinear wave interactions
Shallow water waves
Surface gravity waves
Trapped waves
- Nonlinearity**
RT: Variability
- Nonmetals**
BT: Chemical elements
NT: Aluminium
Boron
Carbon
Germanium
Halogens
- Hydrogen
Nitrogen
Oxygen
Phosphorus
Polonium
Scandium
Silicon
Sulphur
- Nonpoint pollution
USE: **Nonpoint pollution sources**
- Nonpoint pollution sources**
UF: Diffuse pollution
Non point pollution sources
Nonpoint pollution
Nonpoint source pollution
Nonpoint sources
BT: Pollution sources
RT: Effluents
Point source pollution
Pollution
Runoff
Wastes
Water pollution
- Nonpoint source pollution
USE: **Nonpoint pollution sources**
- Nonpoint sources
USE: **Nonpoint pollution sources**
- Nonrenewable resources**
BT: Natural resources
RT: Fossil fuels
Mineral resources
Renewable resources
Seabed deposits
- Nontronite**
BT: Clay minerals
- Northern lobster fisheries
USE: **Lobster fisheries**
- Noxious organisms**
UF: Injurious organisms
Stinging organisms
BT: Aquatic organisms
NT: Poisonous organisms
RT: Parasites
Stinging organs
Venom apparatus
- Nuclear division
USE: **Cell division**
- Nuclear energy**
UF: Atomic energy
BT: Energy
RT: Green energy
Nuclear power plants
Radioactivity
- Nuclear explosions**
BT: Explosions
RT: Fission products
- Radioactive contamination
Underwater explosions
- Nuclear magnetic resonance**
UF: NMR techniques
RT: Spectroscopic techniques
- Nuclear membranes
USE: **Cell membranes**
- Nuclear physics**
UF: Atomic physics
BT: Physics
RT: Radioactivity
Radioisotopes
- Nuclear power plants**
SN: Before 1982 search POWER
PLANTS
UF: Atomic power plants
BT: Power plants
RT: Nuclear energy
Radioactive contamination
Radioactive wastes
- Nuclear propulsion**
RT: Propulsion systems
Submarines
Underwater propulsion
- Nuclear radiations**
BT: Ionizing radiation
RT: Electromagnetic radiation
Fallout
Radioactive wastes
Radioactivity
Radiochemistry
Radiometric dating
- Nuclear wastes
USE: **Radioactive wastes**
- Nuclei**
UF: Nucleus
BT: Cell constituents
RT: Genomes
Ice nuclei
Karyology
Meiosis
Mitosis
Protoplasts
- Nucleic acids**
BT: Organic acids
NT: DNA
Plasmids
Promoters
RNA
RT: DNA replication
Genetics
Nucleotides
Protein denaturation
Proteins
RNA replication
- Nucleotide sequence**
RT: DNA fingerprinting

Microsatellites
 Nucleotides
 Protein sequencing
 RNA sequencing
 Sequencing

Nucleotides
 BT: Organic compounds
 NT: ADP
 AMP
 ATP
 RT: Nucleic acids
 Nucleotide sequence
 Organic acids

Nucleus
 USE: **Nuclei**

Nuclides
 USE: **Isotopes**

Nuisance species
 USE: **Invasive species**

Numerical analysis
 BT: Mathematical analysis
 NT: Approximation
 Finite difference method
 Finite element method
 Functional analysis
 Perturbation method
 RT: Algorithms
 Boundary value problems
 Computer programs
 Conversion tables
 Critical path method
 Differential equations
 Game theory
 Integral equations
 Mathematics
 Nonlinear equations
 Numerical taxonomy
 PERT
 Splines
 Statistical analysis
 Tidal equations

Numerical models
 USE: **Mathematical models**

Numerical taxonomy
 BT: Taxonomy
 RT: Biometrics
 Correlation analysis
 Meristic counts
 Numerical analysis
 Variance analysis

Nursery grounds
 SN: Regions particularly rich in food organisms where feeding of fish larvae and juveniles takes place
 UF: Feeding ground
 RT: Nursery ponds
 Spawning
 Spawning grounds

Nursery ponds
 UF: Fish rearing ponds
 BT: Growing ponds
 RT: Nursery grounds

Nutrient cycles
 SN: Cycle of nutrients in aquatic environments
 BT: Biogeochemical cycle
 NT: Carbon cycle
 Nitrogen cycle
 Phosphorus cycle
 Silicon cycle
 RT: Biological production
 Nutrient deficiency
 Nutrients (mineral)

Nutrient deficiency
 UF: Nutrient depletion
 BT: Dietary deficiencies
 RT: Nutrient cycles
 Nutrients (mineral)
 Nutrition
 Vitamin deficiencies

Nutrient depletion
 USE: **Nutrient deficiency**

Nutrient salts
 USE: **Nutrients (mineral)**

Nutrients (mineral)
 SN: Inorganic and organic nutrients in water
 UF: Nutrient salts
 RT: Biological production
 Biological uptake
 Chemosynthesis
 Energy budget
 Eutrophication
 Fertilizers
 Hypertrophy
 Limiting factors
 Nitrates
 Nutrient cycles
 Nutrient deficiency
 Nutrition
 Phosphates
 Silicates
 Trace elements

Nutrition
 SN: Use of a more specific term is recommended
 UF: Human nutrition
 NT: Animal nutrition
 Plant nutrition
 RT: Feeding
 Food
 Food absorption
 Food insecurity
 Food security
 Metabolism
 Nutrient deficiency
 Nutrients (mineral)
 Nutritional requirements
 Nutritional types

Nutritive value
 Physiology

Nutrition disorders
 SN: Diseases caused by deficiencies and imbalances of major dietary components
 UF: Nutritional diseases
 BT: Diseases
 RT: Anaemia
 Animal diseases
 Deficiency diseases
 Dietary deficiencies
 Diets
 Human diseases
 Husbandry diseases
 Metabolic disorders
 Nutritional requirements
 Starvation
 Vitamin deficiencies

Nutritional diseases
 USE: **Nutrition disorders**

Nutritional requirements
 UF: Food requirements
 RT: Balanced diets
 Balanced rations
 Body conditions
 Deficiency diseases
 Dietary deficiencies
 Diets
 Ecological efficiency
 Feeding experiments
 Food consumption
 Hunger
 Nutrition
 Nutrition disorders
 Nutritive value
 Trophodynamic cycle

Nutritional types
 NT: Autotrophy
 Heterotrophy
 RT: Nutrition

Nutritive value
 RT: Balanced rations
 Calories
 Carbohydrates
 Dietary deficiencies
 Diets
 Feed efficiency
 Food
 Food composition
 Nutrition
 Nutritional requirements
 Proteins
 Vitamins

Nyctimeral rhythms
 BT: Biological rhythms
 RT: Diurnal variations
 Light effects
 Moon phases
 Phototaxis
 Phototropism

Nymphs

BT: Insect larvae
RT: Emergence
Insect eggs

Oases

SN: Fertile or green spots in a desert or wasteland, made so by the presence of the water due to the water table reaching the surface
BT: Landforms
RT: Aquifers
Deserts
Vegetation cover

Obduction

RT: Continental crust
Plate tectonics
Plates
Subduction

Obituaries

RT: Documents

OBS

USE: **Ocean bottom seismometers**

Observation chambers

BT: Manned vehicles
NT: Bathyspheres
RT: Tethered vehicles

Observation platforms

USE: **Instrument platforms**

Observers

SN: A certified person on board fishing vessels that collects scientific and technical information on the fishing operations and the catch for the Management Authority
RT: Data acquisition
Data processing
Fishery data
Fishery management
Fishery policy
Fishery protection
Fishery surveys
Monitoring
Sampling
Surveillance and enforcement
Training

Obsidian

BT: Glass
RT: Volcanic glass

Occluded fronts

USE: **Atmospheric fronts**

Ocean-atmosphere system

UF: Atmosphere-ocean system
RT: Air-sea coupling

Air-sea interaction
Air-water exchanges
Climate
Dynamical oceanography
Earth atmosphere
Hydrosphere
Ocean-ice-atmosphere system
Ocean circulation
Teleconnections

Ocean-ice-atmosphere system

RT: Air-sea coupling
Ocean-atmosphere system
Sea ice

Ocean basin floor

USE: **Ocean floor**

Ocean basins

SN: Use for studies on major ocean basins, their origin, evolution and present configuration. Use OCEAN FLOOR for basins with each ocean and for sedimentation studies
UF: Submarine basins
BT: Basins
Submarine features
RT: Abyssal plains
Bottom topography
Continental drift
Epeirogeny
Forearc basins
Ocean floor
Oceanic crust
Structural basins

Ocean beaches

USE: **Beaches**

Ocean bottom seismometers

UF: OBS
BT: Seismometers

Ocean bottom topography

USE: **Bottom topography**

Ocean circulation

UF: General circulation (oceans)
Oceanic circulation
BT: Water circulation
NT: Abyssal circulation
Equatorial circulation
Gyres
Meridional oceanic circulation
Oceanic eddies
Thermohaline circulation
RT: Atmospheric circulation
Bottom topography effects
Heat transport
Ocean-atmosphere system
Ocean currents
Surface circulation
Sverdrup transport
Wind-driven circulation

Ocean color

USE: **Ocean colour**

Ocean colour

UF: Ocean color
BT: Water colour
RT: Chlorophylls
Environmental monitoring
Optical properties
Optical water types
Phytoplankton
Reflectance
Remote sensing
Suspended particulate matter

Ocean crust

USE: **Oceanic crust**

Ocean current energy conversion

USE: **Current power**

Ocean currents

SN: Search also WATER CURRENTS
BT: Water currents
RT: Bottom currents
Boundary currents
Countercurrents
Current rings
Dynamical oceanography
Ocean circulation
Palaeocurrents
Shelf currents
Subsurface currents
Surface currents
Undercurrents
Wind-driven currents

Ocean data routes

USE: **Standard ocean sections**

Ocean dumping

SN: The dumping of wastes at sea
UF: Dumping
BT: Waste disposal
RT: Marine pollution
Pollution convention

Ocean engineering

USE: **Offshore engineering**

Ocean environment

USE: **Marine environment**

Ocean farming

USE: **Marine aquaculture**

Ocean floor

SN: Use for natural phenomena and processes taking place on seafloor. For tectonic studies use OCEAN BASINS. Before 1983 search also SEABED
UF: Deep-sea bed
Floor (ocean)
Ocean basin floor
Sea bed

Sea floor
Seabed
RT: Abyssal plains
Bottom topography
Bottom tow
Continental rise
Continental slope
Ocean basins
Oceanic crust
Seafloor mapping
Seafloor sampling
Seafloor spreading
Submarine features
Trenches (pipelines)

Ocean floor topography
USE: **Bottom topography**

Ocean law
USE: **Law of the sea**

Ocean loading
UF: Tidal loading
BT: Loads (forces)
RT: Cyclic loading
Earth tides
Tides

Ocean outfalls
USE: **Outfalls**

Ocean plateaux
USE: **Submarine plateaux**

Ocean policy
SN: Search also MARINE
POLICY
UF: Marine policy
BT: Policies
RT: Law of the sea
Ocean space
Seabed conventions

Ocean ranching
USE: **Ranching**

Ocean space
SN: In the legal aspect only
UF: Maritime space
NT: Contiguous zones
Exclusive economic zone
High seas
International waters
Territorial waters
RT: Extended jurisdiction
Ocean policy

Ocean stations
UF: Ocean weather stations
BT: Fixed stations
RT: Data buoys
Data reports
Weather ships

Ocean surface temperature
USE: **Surface temperature**

Ocean surveillance
USE: **Surveillance and enforcement**

Ocean thermal energy conversion
USE: **OTEC**

Ocean tides
BT: Tides

Ocean trash
USE: **Marine debris**

Ocean water
USE: **Sea water**

Ocean waves
USE: **Surface water waves**

Ocean weather ships
USE: **Weather ships**

Ocean weather stations
USE: **Ocean stations**

Oceanaria
USE: **Aquaria**

Oceanic boundary layer
BT: Boundary layers
RT: Air-water interface
Surface Ekman layer
Surface mixed layer
Upper ocean

Oceanic circulation
USE: **Ocean circulation**

Oceanic convection
BT: Convection

Oceanic convergences
BT: Convergence zones
NT: Polar convergences
Subtropical convergences
RT: Advection
Downwelling
Oceanic divergences
Water masses

Oceanic crust
SN: Before 1983 search also
SUBMARINE CRUST
UF: Crust (ocean)
Ocean crust
Submarine crust
Suboceanic crust
BT: Earth crust
RT: Continental crust
Crustal accretion
Marine geology
Ocean basins
Ocean floor
Oceanization
Sima
Subduction

Oceanic deserts
RT: Gyres

Oceanic divergences
BT: Divergence zones
RT: Oceanic convergences
Upwelling

Oceanic eddies
SN: Before 1982 search EDDIES
(OCEANIC)
UF: Eddies (oceanic)
BT: Eddies
Ocean circulation
NT: Current rings
Mesoscale eddies
RT: Oceanic fronts

Oceanic fronts
SN: Waters from the shelf breaks
towards deeper waters; not a
synonym of marine fronts
UF: Oceanographic fronts
BT: Fronts
NT: Benthic fronts
Density fronts
RT: Convergence
Divergence
Estuarine fronts
Frontal features
Oceanic eddies
Subtropical convergences

Oceanic islands
BT: Islands
NT: Volcanic islands

Oceanic microstructure
USE: **Microstructure**

Oceanic province
UF: Oceanic region
BT: Pelagic environment
NT: Abyssopelagic zone
Bathypelagic zone
Epipelagic zone
Mesopelagic zone
RT: Neritic province

Oceanic region
USE: **Oceanic province**

Oceanic response
UF: Response (oceanic)
RT: Atmospheric forcing
Hurricanes
Response time

Oceanic ridges
USE: **Submarine ridges**

Oceanic trenches
SN: Before 1982 search
TRENCHES
UF: Submarine trenches
Trenches (oceanic)
BT: Submarine features

RT: Benioff zone
Continental margins
Converging plate boundaries
Deep-sea furrows
Forearc basins
Island arcs
Plate convergence
Potential temperature
Subduction zones
Valleys

Oceanic turbulence

BT: Turbulence
RT: Dye dispersion
Microstructure
Water motion
Wave dissipation

Oceanite

BT: Basalts

Oceanization

SN: Conversion of continental crust into oceanic crust
RT: Continental crust
Oceanic crust

Oceanodromous migrations

BT: Migrations
RT: Feeding migrations
Spawning migrations

Oceanographers

USE: **Marine scientists**

Oceanographic atlases

BT: Atlases
RT: Climatological charts
Geological maps
Hydrographic charts
Hydrographic sections
Oceanographic data
Oceanography

Oceanographic buoys

USE: **Data buoys**

Oceanographic cartography

USE: **Cartography**

Oceanographic charts

USE: **Hydrographic charts**

Oceanographic data

BT: Data
NT: Bathymetric data
Bathythermographic data
RT: Current data
Marsden squares
Oceanographic atlases
Oceanographic surveys
Salinity data
Standard ocean sections
Time series
Water temperature data
Wave data

Oceanographic equipment

UF: Oceanographic instruments
BT: Equipment
RT: Bathymeters
Cable depressors
Collecting devices
Data buoys
Deck equipment
Depth recorders
Free-fall instruments
GEK
Geophysical equipment
Laboratory equipment
Measuring devices
Profilers
Remote sensing equipment
Samplers
Sensors
Sound recorders
Sounding lines
Streamers
Thermistor chains
Undulators

Oceanographic fronts

USE: **Oceanic fronts**

Oceanographic institutions

SN: Before 1982 use
OCEANOLOGICAL
INSTITUTIONS
UF: Oceanological institutions
BT: Research institutions
RT: Biological institutions
Fishery institutions
Oceanography

Oceanographic instruments

USE: **Oceanographic equipment**

Oceanographic satellites

USE: **Scientific satellites**

Oceanographic stations

SN: Use of a more specific term is recommended
UF: Stations (oceanographic)
NT: Cruise stations
Drifting stations
Fixed stations
Standard ocean sections
RT: Station keeping
Station lists

Oceanographic surveys

SN: Before 1983 search also
ENVIRONMENTAL
SURVEYS
BT: Environmental surveys
RT: Geological surveys
Hydrography
Oceanographic data
Oceanography
Site surveys
Standard ocean sections

Oceanographic tables

BT: Tables
NT: Salinity tables
RT: Conversion tables
Meteorological tables
Navigational tables
Tide tables

Oceanography

SN: Before 1982 search also
OCEANOLOGY
UF: Oceanology
BT: Earth sciences
Marine sciences
NT: Chemical oceanography
Coastal oceanography
Dynamical oceanography
Fishery oceanography
Military oceanography
Palaeoceanography
Physical oceanography
Polar oceanography
Radio oceanography
Tropical oceanography
RT: Marine ecology
Marine environment
Marine geology
Meteorology
Oceanographic atlases
Oceanographic institutions
Oceanographic surveys

Oceanological institutions

USE: **Oceanographic institutions**

Oceanology

USE: **Oceanography**

Oceanology (biological)

USE: **Marine ecology**

Oceans

UF: Seas
BT: Water bodies
NT: Marginal seas
RT: Upper ocean

OCS

USE: **Outer continental shelf**

Octopus culture

BT: Cephalopod culture
RT: Cephalopod fisheries

Octopus fisheries

USE: **Cephalopod fisheries**

Odor

USE: **Odour**

Odour

SN: Before 1982 search
ORGANOLEPTIC
PROPERTIES
UF: Aroma
Odor
BT: Organoleptic properties

RT: Olfaction

Odour imprinting
USE: **Imprinting**

Oesophagus
UF: Esophagus
RT: Digestive system

Oestrogen
UF: Estrogens
BT: Sex hormones
RT: Sex characters
Sex determination

Off-bottom culture
UF: Hanging culture
Long-line culture
Pole culture
Rack culture
Suspended culture
BT: Aquaculture techniques
RT: Raft culture
Seaweed culture
Shellfish culture

Off flavour
RT: Palatability
Taste

Offshore
RT: Continental shelves

Offshore bars
USE: **Nearshore bars**

Offshore completion
USE: **Well completion**

Offshore docking
BT: Berthing
RT: Artificial harbours
Deep-water terminals
Tanker terminals

Offshore drilling
USE: **Drilling**

Offshore engineering
SN: Before 1982 search also
MARINE ENGINEERING and
OFFSHORE TECHNOLOGY
UF: Ocean engineering
Offshore technology
Seabed engineering
Underwater engineering
BT: Engineering
RT: Geotechnology
Marine technology
Offshore structures
Petroleum engineering
Underwater exploitation
Underwater exploration
Underwater structures

Offshore equipment
BT: Equipment

RT: Offshore operations

Offshore operations
NT: Deep-sea drilling
Deep-sea mining
RT: Locations (working)
Mineral exploration
Offshore equipment
Oil and gas exploration
Tanker loading
Wind farms

Offshore platforms
USE: **Offshore structures**

Offshore protection
USE: **Surveillance and enforcement**

Offshore structures
SN: Before 1982 search MARINE
STRUCTURES
UF: Marine structures
Offshore platforms
Platforms (offshore)
BT: Hydraulic structures
NT: Articulated columns
Artificial islands
Artificial reefs
Caissons
Fixed platforms
Floating structures
Underwater structures
RT: Accommodation
Concrete structures
Decommissioning
Design wave
Node construction
Offshore engineering
Perforated structures
Steel structures
Structural engineering
Wind farms
Work platforms

Offshore technology
USE: **Offshore engineering**

Offshore terminals
BT: Tanker terminals
RT: Berthing
Loading buoys

Offspring
SN: New organisms produced by
either sexual or asexual
reproduction
NT: Genets
Progeny
RT: Children

Oil
RT: Crude oil
Hydrocarbons
Natural gas
Oil and gas exploration
Oil and gas industry

Oil and gas legislation
Oil fields
Oil pollution
Oil production
Petroleum

Oil-gas interface
UF: Gas-oil interface
BT: Interfaces
RT: Gases
Natural gas
Oil-water interface
Petroleum

Oil-ice interface
USE: **Ice-oil interface**

Oil-water interface
UF: Water-oil interface
BT: Interfaces
RT: Oil-gas interface
Oil in water content
Petroleum

Oil and gas exploration
UF: Exploratory drilling
BT: Geophysical exploration
Resource exploration
RT: Concessions
Drilling
Hydraulic fracturing
Leases
Natural gas
Offshore operations
Oil
Oil and gas fields
Oil and gas industry
Petroleum geology

Oil and gas fields
NT: Gas condensate fields
Gas fields
Marginal fields
Oil fields
RT: Oil and gas exploration
Oil and gas industry
Oil and gas production
Petroleum

Oil and gas industry
SN: Before 1982 search OIL
INDUSTRY
UF: Gas industry
Oil industry
Petroleum industry
BT: Industries
RT: Gas terminals
Natural gas
Oil
Oil and gas exploration
Oil and gas fields
Oil and gas legislation
Oil and gas production
Oil refineries
Oil wastes
Petroleum
Process plants

Oil and gas legislation

BT: Legislation
RT: Concessions
Mining legislation
Natural gas
Oil
Oil and gas industry

Oil and gas production

SN: Pertains to petroleum production
UF: Exploitation (oil and gas)
Production (oil and gas)
NT: Gas production
Oil production
RT: Decommissioning
Gas oil separation
Gas processing
Non-living resources
Oil and gas fields
Oil and gas industry
Oil recovery
Oil treating
Oil wells
Production platforms
Subsea production systems
Well workover operations

Oil barriers

USE: **Oil removal**

Oil booms

USE: **Floating barriers**

Oil extraction (animal)

USE: **Animal oil extraction**

Oil fields

BT: Oil and gas fields
RT: Oil
Oil production
Oil reservoirs

Oil films

USE: **Surface films**

Oil gas separation

USE: **Gas oil separation**

Oil in water content

RT: Emulsions
Oil-water interface
Oil production

Oil industry

USE: **Oil and gas industry**

Oil leaks

USE: **Oil spills**

Oil pollution

BT: Pollution
RT: Ice-oil interface
Oil
Oil removal
Oil seepages

Oil slicks
Oil spills
Oil wastes
Sediment pollution
Tar balls
Water pollution

Oil potential

USE: **Oil reserves**

Oil processing

USE: **Oil treating**

Oil production

SN: Pertains to surface equipment and methods used to produce oil from underground reservoirs
UF: Crude oil production
BT: Oil and gas production
RT: Crude oil
Oil
Oil fields
Oil in water content
Oil reserves

Oil recovery

RT: Crude oil
Oil and gas production

Oil refineries

UF: Refineries
RT: Oil and gas industry
Process plants

Oil removal

SN: Oil removal in aquatic environment by mechanical or chemical techniques. Before 1982 search also SKIMMERS and OIL SKIMMERS
UF: Oil barriers
Oil removers
Oil skimmers
Skimmers (oil removal)
RT: Adsorption
Dispersants
Oil pollution
Oil slicks
Oil spills
Solvents
Water pollution treatment

Oil removers

USE: **Oil removal**

Oil reserves

UF: Oil potential
RT: Energy resources
Geostatistics
Green energy
Oil production
Oil reservoirs

Oil reservoirs

UF: Reservoirs (oil)
RT: Cap rocks
Geostatistics

Oil fields
Oil reserves
Petroleum geology

Oil rigs

USE: **Drilling rigs**

Oil sands

UF: Tar sands
BT: Sandstone
RT: Asphalt
Bitumens
Hydrocarbons
Oil shale
Petroleum residues
Subsurface deposits
Tar

Oil seals

USE: **Seals (stoppers)**

Oil seepages

BT: Seepages
RT: Oil pollution

Oil shale

BT: Shale
RT: Hydrocarbons
Kerogen
Oil sands
Petroleum residues
Subsurface deposits

Oil skimmers

USE: **Oil removal**

Oil slicks

SN: Layers of oily substances on water surface. Before 1982 search also SLICKS
UF: Slicks (oil)
BT: Slicks
RT: Containment
Oil pollution
Oil removal
Oil spills
Oil wastes
Surface films

Oil spills

SN: Spilling from tankers, pipelines and drilling operations
UF: Leaks (oil)
Oil leaks
BT: Accidents
RT: Containment
Dispersants
Fire hazards
Ice-oil interface
Oil pollution
Oil removal
Oil slicks
Oil wastes

Oil tankers

USE: **Tanker ships**

Oil tanks

BT: Tanks
RT: Underwater structures

Oil terminals

USE: **Tanker terminals**

Oil treating

SN: Pertains to field operations
UF: Crude oil treating
Oil processing
RT: Gas flaring
Oil and gas production
Separation processes

Oil wastes

BT: Wastes
RT: Industrial wastes
Oil and gas industry
Oil pollution
Oil slicks
Oil spills

Oil water separation

UF: Water oil separation
BT: Separation
RT: Adsorption
Water treatment

Oil well blowouts

USE: **Blowouts**

Oil wells

UF: Wells (oil and gas)
RT: Drilling
Oil and gas production
Petroleum
Underwater exploitation
Well completion

Oils (fish)

USE: **Fish oils**

Oleic acid

BT: Organic acids

Olfaction

BT: Sense functions
RT: Alarm substances
Chemoreception
Odour
Olfactory organs

Olfactory organs

BT: Sense organs
RT: Chemical stimuli
Chemoreceptors
Chemotaxis
Olfaction

Olfactory stimuli

USE: **Chemical stimuli**

Oligocene

BT: Palaeogene

Oligotrophic lakes

BT: Lakes
RT: Dystrophic lakes
Eutrophic lakes
Eutrophic waters
Hypereutrophic waters
Oligotrophic waters

Oligotrophic waters

BT: Water
RT: Dystrophic lakes
Eutrophic waters
Eutrophication
Hypereutrophic waters
Hyperoligotrophic waters
Hypertrophy
Mesotrophic waters
Oligotrophic lakes
Trophic state

Olistoliths

USE: **Sedimentary structures**

Olistostromes

RT: Debris flow
Melanges
Sedimentary structures
Slump structures
Turbidity current structures

Olivine

BT: Silicate minerals

Omega

BT: Radio navigation
RT: Navigational tables

Omnivores

BT: Heterotrophic organisms
RT: Carnivores
Detritus feeders
Herbivores
Piscivores
Trophic levels

One-atmosphere systems

RT: Deep-sea diving
Diving bells
Diving suits
Life support systems

Online courses

USE: **Online instruction**

Online instruction

SN: Learning process that is facilitated by or based entirely on the use of electronic tools and content
UF: Electronic learning
Internet training
Massive open online courses
Online courses
Online training
Virtual classrooms
Web-based instruction
Web-based training

Web based training

RT: Education
Extension activities
Information retrieval
Information services
Information systems
Internet
Research
Technology transfer
Training
Training aids

Online training

USE: **Online instruction**

Onshore currents

USE: **Nearshore currents**

Ontogeny

BT: Biogeny
RT: Biological development
Developmental stages
Embryology
Life cycle
Morphogenesis
Organogenesis
Phylogeny

Oocytes

BT: Eggs

Oogenesis

UF: Ovogenesis
BT: Gametogenesis
RT: Eggs
Ovaries
Ovulation
Sexual cells
Vitellogenesis

Ooids

RT: Concretions
Oolites

Oolites

RT: Concretions
Limestone
Ooids

Oospores

USE: **Spores**

Ooze (calcareous)

USE: **Calcareous ooze**

Ooze (siliceous)

USE: **Siliceous ooze**

Oozes

NT: Calcareous ooze
Siliceous ooze
RT: Biogenic deposits
Mud
Sapropels
Sediments
Shells

Opal

UF: Opaline
BT: Silicate minerals

Opaline

USE: **Opal**

Open access resources

USE: **Common property resources**

Open channel flow

USE: **Channel flow**

Open mines

USE: **Pits**

Open running water culture

USE: **Open systems**

Open sea aquaculture

USE: **Marine aquaculture**

Open systems

SN: An aquaculture water system in which water continuously flows through the culture area and is discharged after a single pass
UF: Open running water culture
BT: Aquaculture systems
RT: Cooling systems
Thermal aquaculture

Operating costs

USE: **Operational costs**

Operational costs

UF: Manufacturing costs
Operating costs
BT: Costs
RT: Taxes

Operations research

NT: Critical path method
Game theory
Mathematical programming
PERT
RT: Mathematical models
Planning
Probability theory
Simulation
Statistical models
Stochastic processes
System analysis

Ophiolite complexes

USE: **Ophiolites**

Ophiolites

UF: Ophiolite complexes
BT: Ultramafic rocks

Optical classification

SN: Optical classification of water masses
BT: Classification

RT: Irradiance

Optical water types
Water masses

Optical filters

BT: Filters
RT: Cameras
Light absorption
Light transmission
Optical instruments

Optical instruments

RT: Light measuring instruments
Optical filters
Optics

Optical masers

USE: **Lasers**

Optical microscopes

USE: **Microscopes**

Optical microscopy

USE: **Light microscopy**

Optical properties

BT: Physical properties
NT: Absorptance
Angular distribution
Attenuance
Colour
Extinction coefficient
Reflectance
Refractive index
Scattering coefficient
Spectral composition
Transmittance
Transparency
Volume scattering function
RT: Anisotropy
Emissivity
Irradiance
Light
Light effects
Light intensity
Ocean colour
Optics
Polarization
Radiance
Surface properties

Optical water types

BT: Water types
RT: Irradiance
Ocean colour
Optical classification
Transmittance

Optics

BT: Physics
RT: Atmospheric optical phenomena
Fibre optics
Lasers
Light
Optical instruments
Optical properties

Photography

Visibility
Vision

Orbital velocity

UF: Particle velocity (waves)
Wave particle velocity
BT: Velocity
RT: Particle motion
Water waves
Wave drift velocity
Wave velocity

Ordovician

SN: Before 1982 search
ORDOVICIAN SYSTEM
BT: Palaeozoic

Ore carriers

USE: **Bulk carriers**

Ores

BT: Mineral resources
RT: Mineral deposits
Subsurface deposits

Organ removal

BT: Removal
NT: Castration
Eyestalk extirpation
Hypophysectomy
Ovariectomy
RT: Body organs
Contraception
Regeneration
Transplants

Organ transplants

USE: **Transplants**

Organelles

USE: **Cell organelles**

Organic acids

UF: Carboxylic acids
BT: Acids
Organic compounds
NT: Acrylic acid
Amino acids
Arachidonic acid
Carbonic acid
Fatty acids
Fulvic acids
Glycolic acid
Humic acids
Nicotinic acid
Nucleic acids
Oleic acid
RT: Alginates
Carboxylic acid salts
Inorganic acids
Lactate
Nucleotides

Organic aquaculture

SN: The system of management and production that combines

best environmental practices,
high level of biodiversity,
preservation of natural resources,
application of high animal
welfare standards and a reduction
method in line with the
preferences of certain consumers
for products produced using
natural substances and processes
BT: Aquaculture
RT: Certification
Ecolabelling

Organic carbon

BT: Carbon
Organic matter
NT: Dissolved organic carbon
Particulate organic carbon
Total organic carbon

Organic compounds

UF: Compounds (organic)
BT: Chemical compounds
NT: Alcohols
Aldehydes
Alkaloids
Amines
Azines
Bioactive compounds
Carbohydrates
Esters
Histamines
Hydrocarbons
Ketones
Lipids
Nucleotides
Organic acids
Organometallic compounds
Proteins
Purines
Urea
RT: Aromatics
Boron compounds
Carbon compounds
Chelates
Chlorine compounds
Fluorine compounds
Halogen compounds
Nitrogen compounds
Organic constituents
Organometallic complexes
Phosphorus compounds

Organic constituents

SN: Any organic components of
biological material
NT: Dietary fibre
RT: Amino acids
Biochemical analysis
Biochemical composition
Carbohydrates
Fats
Organic compounds
Proteins

Organic detritus
USE: **Detritus**

Organic fertilizers

SN: Substances of natural origin
used to fertilize soils or the
aquatic environment
BT: Fertilizers
NT: Composts
Guano
Manure
RT: Fish meal
Urea

Organic matter

NT: Dissolved organic matter
Humus
Organic carbon
Organic sediments
Particulate organic matter
RT: Anoxic sediments
Kerogen

Organic nitrogen

BT: Nitrogen
NT: Dissolved organic nitrogen
Particulate organic nitrogen
RT: Nitrogen compounds

Organic phosphorus

BT: Phosphorus
NT: Dissolved organic phosphorus
Particulate organic phosphorus

Organic production

USE: **Biological production**

Organic sediments

UF: Carbonaceous deposits
BT: Biogenic deposits
Organic matter
NT: Peat
Sapropels
RT: Chemical sediments
Petroleum

Organic suspended matter

USE: **Suspended organic matter**

Organic wastes

UF: Animal wastes
BT: Wastes
NT: Fish wastes
RT: Biological treatment
Domestic wastes
Sewage
Sludge

Organisations

USE: **Organizations**

Organism aggregations

SN: A grouping or crowding of
separate organisms
UF: Aggregations (organisms)
RT: Aquatic communities
Aquatic organisms

Organism associations

USE: **Ecological associations**

Organism dating

USE: **Age determination**

Organism guiding

USE: **Guiding devices**

Organism morphology

SN: Before 1982 search
MORPHOLOGY
(ORGANISMS)
UF: External anatomy
Morphometry (biology)
Morphometry (organisms)
BT: Biology
NT: Animal morphology
Cell morphology
Plant morphology
RT: Anatomy
Biopolymorphism
Functional morphology
Morphogenesis
Ornamentation
Phenotypes
Sexual dimorphism
Taxonomy
Tomography

Organisms (aquatic)

USE: **Aquatic organisms**

Organizations

UF: Associations
Organisations
Societies
NT: Companies
Education establishments
Financial institutions
Fishery organizations
Information centres
International organizations
Research institutions
Trade organizations
Water authorities
RT: Conferences
Institutional resources
Personnel

Organogenesis

SN: The formation and
development of organs
UF: Organogeny
RT: Body organs
Embryology
Morphogenesis
Ontogeny
Vitellogenesis

Organogeny

USE: **Organogenesis**

Organoleptic properties

BT: Properties
NT: Digestibility
Odour
Taste
RT: Water properties

Organometallic complexes

RT: Ligands
Metals
Organic compounds

Organometallic compounds

BT: Organic compounds
NT: Methyl mercury
RT: Mercury compounds

Organs (animal)

USE: **Animal organs**

Organs (body)

USE: **Body organs**

Organs (plant)

USE: **Plant organs**

Orientation

SN: For biological purposes use
ORIENTATION BEHAVIOUR
NT: Core orientation
Grain orientation
RT: Animal navigation
Anisotropy
Isotropy
Orientation behaviour
Polarization
Vertical migrations

Orientation (biological)

USE: **Orientation behaviour**

Orientation behaviour

UF: Animal orientation
Orientation (biological)
BT: Behaviour
NT: Kinesis
Taxis
RT: Antennae
Migrations
Orientation
Sense functions
Stimuli
Tropism

Ormer culture

USE: **Abalone culture**

Ormer fisheries

USE: **Gastropod fisheries**

Ornament (biological)

USE: **Ornamentation**

Ornamental fish

UF: Aquarium fish
BT: Fish
RT: Aquaria
Aquarium culture
Tropical fish

Ornamentation

SN: Secondary sexual
characteristic of an animal that
appears to serve a decorative

function rather than an
ostensible, utilitarian function.
Ornaments are used in displays
to attract mates in a process
known as sexual selection

UF: Ornament (biological)
BT: Secondary sexual characters
RT: Genes
Organism morphology
Sexual behaviour
Sexual selection

Ornithine

BT: Amino acids

Ornithologists

BT: Zoologists
RT: Ornithology

Ornithology

BT: Vertebrate zoology
RT: Aquatic birds
Ornithologists

Orogenesis

USE: **Orogeny**

Orogeny

UF: Mountain building
Orogenesis
BT: Tectonics
RT: Active margins
Epeirogeny
Geosynclines
Mountains
Plate tectonics
Rifting

Orthoclase

BT: Feldspars

Orthogonals

RT: Caustics
Wave refraction diagrams

Orthophosphate

BT: Phosphates

Oscillations

NT: Forced oscillations
Southern oscillation
Tidal oscillations
RT: Motion
Perturbations
Resonance
Temporal variations
Vibration

Oscillatory currents

USE: **Oscillatory flow**

Oscillatory flow

UF: Oscillatory currents
RT: Bed forms
Fluid flow
Tidal currents
Unidirectional flow

Oscillatory waves

BT: Water waves
NT: Progressive waves
Standing waves

Osmium

BT: Heavy metals
RT: Osmium isotopes

Osmium isotopes

BT: Isotopes
RT: Osmium

Osmoregulation

RT: Amphihaline species
Euryhalinity
Ion accumulation
Ion transport
Ions
Osmosis
Osmotic adaptations
Osmotic pressure
Salinity tolerance

Osmosis

BT: Separation processes
NT: Reverse osmosis
RT: Adsorption
Dialysis
Diffusion
Mass transfer
Molecular diffusion
Osmoregulation
Osmotic adaptations
Osmotic pressure
Permeability

Osmotic adaptations

BT: Adaptations
RT: Amphihaline species
Euryhalinity
Osmoregulation
Osmosis
Osmotic pressure

Osmotic pressure

SN: Before 1982 search
OSMOSIS
UF: Pressure (osmotic)
BT: Pressure
RT: Osmoregulation
Osmosis
Osmotic adaptations
Salinity power

Osteology

BT: Vertebrate zoology
RT: Anatomy
Bones
Skeleton

Osteonecrosis

USE: **Bone necrosis**

Ostreaculture

USE: **Oyster culture**

OTEC

UF: Ocean thermal energy conversion
Thalassothermal power
BT: Thermal power
RT: Artificial upwelling
OTEC plants

OTEC plants

BT: Power plants
RT: Heat exchangers
OTEC
Process plants

Otolith reading

BT: Age determination
RT: Otoliths

Otoliths

RT: Bones
Endoskeleton
Otolith reading
Skull

Otter boards

RT: Codends
Trawl nets
Trawling

Otter trawlers

USE: **Trawlers**

Otter trawls (bottom)

USE: **Bottom trawls**

Otter trawls (midwater)

USE: **Midwater trawls**

Outcrops

RT: Mineral deposits
Rocks

Outdoor recreation

USE: **Recreation**

Outer continental shelf

UF: OCS
BT: Continental shelves

Outer mantle

USE: **Upper mantle**

Outfalls

SN: Before 1986 search also
SEWAGE OUTFALLS
UF: Ocean outfalls
Sewage outfalls
BT: Hydraulic structures
RT: Buoyant jets
Effluents
Sewage
Water pollution

Outflow

SN: Component of water budget
NT: Overflow

River outflow

RT: Inflow
Outflow waters
Water budget
Water exchange

Outflow waters

BT: Water masses
RT: Core layer method
Outflow

Outreach

USE: **Extension activities**

Ova

USE: **Eggs**

Ovalbumin

USE: **Albumins**

Ovariectomy

BT: Organ removal
RT: Castration
Contraception

Ovaries

BT: Gonads
RT: Fecundity
Gonadosomatic index
Oogenesis
Ovulation
Sterility

Overcapacity

SN: In simple terms too many vessels, or the capability to harvest more than is sustainable in the long-run given a desired or optimal level of resources.
BT: Fishing capacity

Overcrowding

SN: Condition in which numerical densities of animals per unit area lead to disruptive and/or damaging physiological and behavioural effects
RT: Competition
Stocking density

Overexploitation

NT: Overfishing
RT: Fishing capacity
Rare resources

Overfalls

USE: **Spillways**

Overfishing

SN: Fishing more intensely than a desirable level
UF: Fishing overexploitation
BT: Commercial fishing
Overexploitation
RT: Depleted stocks
Fishing capacity

Fishing down aquatic food webs

Fishing mortality
Species extinction
Vulnerable marine ecosystems
Yield

Overflow

BT: Outflow
RT: Boluses
Cascading

Overtopping

UF: Wave overtopping
RT: Breakwaters
Water waves

Overturn

UF: Convective overturn
Overturning
Turnover
BT: Vertical water movement
RT: Lake dynamics
Mixing processes
Renewal
Water mixing

Overturning

USE: **Overturn**

Overwash

SN: That portion of the uprush that carries over the crest of a berm or of a structure
RT: Water waves

Overwintering

UF: Overwintering sites
RT: Migrations
Migratory species
Overwintering techniques
Winter

Overwintering sites

USE: **Overwintering**

Overwintering techniques

SN: Aquaculture technique to reduce winter effects on ponds
BT: Aquaculture techniques
RT: Overwintering
Winter
Winterkill

Oviparity

UF: Oviparous
RT: Eggs
Ovoviviparity
Sexual reproduction
Viviparity

Oviparous

USE: **Oviparity**

Oviposition

RT: Eggs

Ovogenesis
USE: **Oogenesis**

Ovoviparous
USE: **Ovoviviparity**

Ovoviviparity
UF: Ovoviparous
RT: Eggs
Oviparity
Sexual reproduction

Ovulation
RT: Eggs
Oogenesis
Ovaries
Sexual maturity
Sexual reproduction

Ownership
USE: **Property rights**

Oxbow lakes
BT: Lakes
RT: River meanders
Rivers

Oxic conditions
UF: Aerobic conditions
RT: Anoxic conditions
Oxic sediments

Oxic sediments
UF: Aerobic sediments
BT: Sediments
RT: Anoxic sediments
Oxic conditions

Oxidation
BT: Chemical reactions
RT: Antioxidants
Biogeochemical cycle
Corrosion
Cytochromes
Detoxification
Electrolysis
Oxygen demand
Oxygenation
Redox potential
Redox reactions

Oxidation-reduction potential
USE: **Redox potential**

Oxidation-reduction reactions
USE: **Redox reactions**

Oxidation lagoons
USE: **Sewage ponds**

Oxide minerals
BT: Minerals
NT: Bauxite
Birnessite
Boehmite
Brucite
Cassiterite

Chromite
Cristobalite
Gibbsite
Goethite
Haematite
Ilmenite
Magnetite
Pyrolusite
Rutile
Todorokite

Oxides
BT: Oxygen compounds
NT: Iron oxides
Manganese oxides
Nitrous oxide
Sulphur oxides

Oxidoreductases
SN: Before 1982 search
ENZYMES
BT: Enzymes
RT: Redox potential
Redox reactions

Oxygen
BT: Atmospheric gases
Nonmetals
NT: Dissolved oxygen
RT: Air
Anoxia
Anoxic sediments
Biological uptake
Deoxygenation
Oxygen compounds
Oxygen consumption
Oxygen demand
Oxygen depletion
Oxygen isotopes
Oxygen minimum layer
Oxygen sections
Oxygenation
Ozone

Oxygen compounds
BT: Chemical compounds
NT: Oxides
RT: Oxygen
Water

Oxygen consumption
SN: Consumption of oxygen by aquatic organisms, including consumption rate and measuring methods
RT: Aerobic respiration
Anoxic conditions
Conversion factors
Hypoxia
Metabolism
Oxygen
Oxygen depletion
Respirometers

Oxygen content
USE: **Dissolved oxygen**

Oxygen demand
UF: Total oxygen demand
NT: Biochemical oxygen demand
Chemical oxygen demand
RT: Biological production
Deoxygenation
Metabolism
Oxidation
Oxygen
Oxygenation
Photosynthesis
Respiration

Oxygen depletion
SN: Depletion of dissolved oxygen by biological oxidation reduction process of organic matter or by mass development of phytoplankton
BT: Depletion
NT: Anoxia
RT: Anoxic basins
Anoxic conditions
Anoxic sediments
Degradation
Deoxygenation
Hypoxia
Oxygen
Oxygen consumption
Redox potential
Winterkill

Oxygen isotope dating
BT: Radiometric dating
RT: Oxygen isotopes

Oxygen isotope ratio
RT: Oxygen isotope stratigraphy
Oxygen isotopes
Radiometric dating

Oxygen isotope stratigraphy
BT: Stratigraphy
RT: Oxygen isotope ratio
Oxygen isotopes

Oxygen isotopes
BT: Isotopes
RT: Oxygen
Oxygen isotope dating
Oxygen isotope ratio
Oxygen isotope stratigraphy

Oxygen maximum layer
BT: Core layers (water)
RT: Oxygen profiles

Oxygen minimum layer
BT: Core layers (water)
RT: Dissolved oxygen
Oxygen
Oxygen profiles
Oxygen sections

Oxygen poisoning
USE: **Hypoxia**

Oxygen profiles

SN: Vertical distribution of dissolved oxygen in water bodies
BT: Vertical profiles
RT: Dissolved oxygen
Oxygen maximum layer
Oxygen minimum layer
Oxygen sections

Oxygen sections

BT: Hydrographic sections
RT: Oxygen
Oxygen minimum layer
Oxygen profiles
Vertical distribution

Oxygenation

RT: Aeration
Biochemical oxygen demand
Deoxygenation
Ecosystem services
Oxidation
Oxygen
Oxygen demand
Water treatment

Oyster beds

USE: **Oyster reefs**

Oyster culture

UF: Ostreaculture
BT: Bivalve culture
NT: Pearl culture
RT: Cultch
Oyster fisheries
Oyster reefs
Spat
Tray culture

Oyster fisheries

BT: Mollusc fisheries
NT: Pearl fisheries
RT: Estuarine fisheries
Oyster culture
Oyster reefs

Oyster reefs

UF: Oyster beds
BT: Reefs
RT: Oyster culture
Oyster fisheries

Ozonation

SN: The sterilization of culture system water through the addition of ozone
BT: Sterilization
RT: Ozone

Ozone

BT: Atmospheric gases
RT: Earth atmosphere
Oxygen
Ozonation
Ultraviolet radiation

P-waves

UF: Compressional waves (seismic)
Primary waves
BT: Body waves
RT: Compressional wave velocities
S-waves

Pack ice

UF: Ice floes
BT: Floating ice
RT: Ice barriers
Ice canopy
Ice drift
Ice fields
Ice keels

Packages

USE: **Containers**

Packaging fishery products

USE: **Packing fishery products**

Packaging materials

USE: **Packing materials**

Packing fishery products

SN: Referring to methods, techniques and material for packing industrial fishery products
UF: Packaging fishery products
RT: Fishery industry
Fishery products
Packing materials
Processed fishery products

Packing materials

UF: Packaging materials
BT: Materials
RT: Packing fishery products

Paddy fields

USE: **Rice fields**

Paedomorphism

USE: **Neoteny**

Paints

BT: Coating materials
RT: Antioxidants
Chemical pollutants
Primers

Pair seines

USE: **Boat seines**

Pair trawlers

USE: **Trawlers**

Pair trawling

USE: **Trawling**

Pair trawls (bottom)

USE: **Bottom trawls**

Pair trawls (midwater)

USE: **Midwater trawls**

Palaemonid fisheries

USE: **Shrimp fisheries**

Palaeo studies

UF: Paleo studies
NT: Palaeoceanography
Palaeoclimatology
Palaeoecology
Palaeolimnology
Palaeontology
Palaeotopography

Palaeobathymetry

USE: **Palaeotopography**

Palaeoceanography

SN: Before 1986 search also PALAEOOCEANOGRAPHY
UF: Palaeoceanography
BT: Oceanography
Palaeo studies
RT: Fossil sea water
Palaeoenvironments
Palaeontology
Palaeosalinity
Palaeotemperature
Palaeotopography

Palaeocene

SN: Before 1982 search PALEOCENE EPOCH
BT: Palaeogene

Palaeoclimate

BT: Climate
RT: Climatic changes
Continental drift
Fossils
Ice ages
Ice cover
Interglacial periods
Palaeoclimatology
Palaeoenvironments

Palaeoclimatology

BT: Climatology
Palaeo studies
RT: Eolian dust
Geomorphology
Palaeoclimate
Palaeontology
Stratigraphy

Palaeocurrents

RT: Ice rafting
Ocean currents
Provenance

Palaeoecology

BT: Ecology
Palaeo studies
RT: Fossils
Land bridges
Palaeoenvironments

Palaeontology
Stratigraphy
Palaeoenvironments
BT: Environments
RT: Palaeoceanography
Palaeoclimate
Palaeoecology
Palaeontology
Palaeosalinity
Palaeotemperature

Palaeogene
UF: Lower tertiary
BT: Tertiary
NT: Eocene
Oligocene
Palaeocene

Palaeogeography
SN: The study of the ancient geography of the Earth's surface.
BT: Geography

Palaeolatitude
BT: Latitude
RT: Palaeomagnetism
Polar wandering

Palaeolimnology
BT: Limnology
Palaeo studies
RT: Palaeontology

Palaeomagnetism
BT: Geophysics
Magnetism
RT: Continental drift
Geomagnetism
Magnetic anomalies
Magnetic reversals
Magnetic susceptibility
Palaeolatitude
Plate tectonics
Polar wandering
Pole positions
Remanent magnetization
Seafloor spreading

Palaeontology
UF: Paleontology
BT: Palaeo studies
NT: Micropalaeontology
RT: Archaeology
Biofacies
Botany
Fossils
Geology
Palaeoceanography
Palaeoclimatology
Palaeoecology
Palaeoenvironments
Palaeolimnology
Palaeosalinity
Palynology
Sedimentology
Stratigraphy

Taxonomy
Trace fossils
Zoology
Palaeoceanography
USE: **Palaeoceanography**

Palaeosalinity
BT: Salinity
RT: Messinian
Palaeoceanography
Palaeoenvironments
Palaeontology

Palaeoshorelines
BT: Coastal landforms
RT: Palaeotopography
Sea level changes

Palaeotemperature
BT: Water temperature
RT: Climatic changes
Palaeoceanography
Palaeoenvironments

Palaeotopography
UF: Palaeobathymetry
BT: Bottom topography
Palaeo studies
RT: Palaeoceanography
Palaeoshorelines

Palaeozoic
SN: Before 1982 search
PALEOZOIC ERA
BT: Geological time
NT: Cambrian
Carboniferous
Devonian
Ordovician
Permian
Silurian
RT: Phanerozoic

Palagonite
BT: Volcanic rocks
RT: Basalt-seawater interaction
Glass
Pillow lava

Palatability
RT: Off flavour
Taste
Taste tests

Palatability tests
USE: **Taste tests**

Paleo studies
USE: **Palaeo studies**

Paleontology
USE: **Palaeontology**

Palladium
BT: Heavy metals
RT: Palladium isotopes

Palladium isotopes
BT: Isotopes
RT: Palladium

Paludism
USE: **Malaria**

Palygorskite
BT: Clay minerals

Palynology
UF: Pollen analysis
RT: Botany
Fossil pollen
Fossil spores
Geology
Palaeontology
Pollen
Spores
Taxonomy

Pancreas
BT: Digestive glands
RT: Insulin

Pandalid fisheries
USE: **Shrimp fisheries**

Paralytic shellfish poisoning
UF: Shellfish poisoning (paralytic)
BT: Human diseases
RT: Diarrhetic shellfish poisoning

Parameterization
RT: Parameters

Parameters
NT: Coriolis parameters
Rossby parameter
Wind wave parameters
RT: Parameterization
Properties

Parametric methods
BT: Statistical analysis
RT: Non-parametric methods

Parasite attachment
UF: Attachment (parasites)
Parasitic attachment
BT: Biological attachment
NT: Lamprey attachment
RT: Parasites
Parasitism

Parasite control
BT: Control
RT: Parasite resistance
Parasites
Parasitic diseases
Parasitism
Parasitology
Pest control
Protozoan diseases

Parasite resistance

UF: Resistance to parasites
BT: Biological resistance
RT: Parasite control
Parasites
Parasitism

Parasites

UF: Parasitofauna
NT: Ectoparasites
Endoparasites
RT: Biological vectors
Commensalism
Glochidia
Hosts
Noxious organisms
Parasite attachment
Parasite control
Parasite resistance
Parasitic diseases
Parasitism
Parasitology
Protozoan diseases
Symbiosis

Parasitic attachment

USE: **Parasite attachment**

Parasitic castration

SN: Failure of a host to reproduce due to partial or complete destruction of its gonads caused by parasitic activities
UF: Castration by parasites
BT: Castration
RT: Parasitic diseases

Parasitic diseases

UF: Parasitic infestation
BT: Infectious diseases
NT: Schistosomiasis
RT: Antihelminthic agents
Antiparasitic agents
Biological vectors
Boil disease
Fish diseases
Fungal diseases
Malaria
Parasite control
Parasites
Parasitic castration
Parasitism
Parasitology
Plant diseases
Protozoan diseases
Whirling disease

Parasitic infestation

USE: **Parasitic diseases**

Parasitism

BT: Interspecific relationships
NT: Ectoparasitism
Endoparasitism
RT: Glochidia
Host preferences
Hosts

Parasite attachment
Parasite control
Parasite resistance
Parasites
Parasitic diseases
Parasitology
Pathology
Prophylaxis
Protozoan diseases

Parasitofauna

USE: **Parasites**

Parasitology

BT: Ecology
RT: Bacteriology
Epidemiology
Microbiology
Mycology
Parasite control
Parasites
Parasitic diseases
Parasitism
Protozoan diseases

Parasympathetic nervous system

USE: **Autonomic nervous system**

Parathyroid

USE: **Thyroid**

Parent stocks

USE: **Brood stocks**

Parental behaviour

SN: Before 1982 search
REPRODUCTIVE
BEHAVIOUR
UF: Parental care
BT: Behaviour
RT: Reproductive behaviour

Parental care

USE: **Parental behaviour**

Parks

USE: **Protected areas**

Parrs

USE: **Juveniles**

Parthenogenesis

BT: Reproduction
RT: Clones
Gynogenesis

Partial tides

USE: **Tidal constituents**

Partially-mixed estuaries

BT: Estuaries

Participation

USE: **Participatory approach**

Participatory approach

SN: A means to assist individuals

and communities to analyze their situation, identify their priorities and decide which actions to undertake. As a result, they mobilize their resources and know-how to realize what they want and to achieve their objectives. As opposed to top-down development.

UF: Participation

BT: User participation

RT: Co-management

Particle concentration

SN: Use only for suspended particulate matter
RT: Gravimetric techniques
Light scattering
Particle scattering
Suspended particulate matter
Turbidity

Particle counters

BT: Counters

RT: Suspended particulate matter

Particle distribution

RT: Kurtosis

Particle scattering

Turbidity

Particle motion

UF: Grain motion
Sediment particle motion
Suspended particle motion
Wave particle motion
BT: Motion
NT: Particle settling
RT: Orbital velocity
Particulate flux
Resuspended sediments
Saltation
Sediment dynamics
Sediment movement
Sediment transport
Settling rate
Suspension
Traction
Wave drift velocity

Particle scattering

SN: Scattering of light in water by suspended particles
BT: Light scattering
RT: Particle concentration
Particle distribution
Particle size
Suspended particulate matter

Particle settling

BT: Particle motion

RT: Particulate flux

Settling rate

Stokes law

Winnowing

Particle size

BT: Size
RT: Kurtosis
Nanoparticles
Particle scattering
Turbidity

Particle velocity (waves)

USE: **Orbital velocity**

Particulate flux

SN: Vertical flux of particulates in water column
RT: Particle motion
Particle settling
Sediment traps
Settling rate
Suspended particulate matter

Particulate matter

USE: **Suspended particulate matter**

Particulate matter (air)

USE: **Atmospheric particulates**

Particulate organic carbon

BT: Organic carbon
Particulate organic matter

Particulate organic matter

BT: Organic matter
Particulates
NT: Particulate organic carbon
Particulate organic nitrogen
Particulate organic phosphorus

Particulate organic nitrogen

BT: Organic nitrogen
Particulate organic matter

Particulate organic phosphorus

BT: Organic phosphorus
Particulate organic matter

Particulates

NT: Atmospheric particulates
Particulate organic matter
Suspended particulate matter

Particulates (aquatic)

USE: **Suspended particulate matter**

Particulates (atmospheric)

USE: **Atmospheric particulates**

Partnerships

USE: **Joint ventures**

Parturition

UF: Birth
BT: Sexual reproduction
RT: Foetus
Pregnancy

Passenger ships

UF: Ferries
Liners (passengers)
BT: Merchant ships

Passive margins

UF: Aseismic margins
Divergent margins
BT: Continental margins
RT: Plate divergence

Passive sonar

BT: Sonar
RT: Ambient noise
Sonobuoys

Patchiness

UF: Spatial heterogeneity
BT: Spatial variations
RT: Distribution
Phytoplankton
Plankton
Vegetation cover
Zooplankton

Patents

SN: Patent of new equipment and apparatus
RT: Documents

Pathogen resistance

USE: **Disease resistance**

Pathogenic bacteria

BT: Bacteria
Pathogens
RT: Bacterial diseases

Pathogenic species

USE: **Pathogens**

Pathogens

UF: Pathogenic species
NT: Pathogenic bacteria
RT: Bacterins
Disease control
Diseases
Disinfection
Microbial contamination

Pathology

UF: Animal pathology
Fish pathology
NT: Histopathology
RT: Diseases
Epidemics
Parasitism
Physiology
Therapy
Toxicity

Pattern recognition

RT: Image enhancement

PCB

SN: Before 1982 search also

POLYCHLORINATED BIPHENYLS

UF: Polychlorinated biphenyls
BT: Aromatic hydrocarbons
RT: Chemical pollutants
Insecticides
Toxicants

PCR

USE: **Polymerase chain reaction**

Pearl culture

BT: Oyster culture
RT: Pearl fisheries
Pearl oysters
Pearls

Pearl fisheries

BT: Oyster fisheries
RT: Fishing by diving
Pearl culture
Pearl oysters
Pearls

Pearl oysters

RT: Pearl culture
Pearl fisheries
Pearls

Pearls

SN: Including their formation by natural or artificial biosynthetic processes
BT: Animal products
RT: Biosynthesis
Pearl culture
Pearl fisheries
Pearl oysters

Peat

SN: Remains of bog and fen vegetation
BT: Organic sediments
RT: Humus
Sapropels

Pebbles

BT: Clastics
RT: Rudites
Shingle

Pecking order

SN: Social hierarchy occurring in many animals that live together in groups
BT: Dominance hierarchies
RT: Aggressive behaviour

Pecten fisheries

USE: **Scallop fisheries**

Peduncle disease

UF: Cold water diseases
BT: Fish diseases
RT: Bacterial diseases

Pelage

USE: **Hair**

Pelagic clay

UF: Red clay

BT: Clays

RT: Pelagic sediments

Pelagic deposits

USE: **Pelagic sediments**

Pelagic environment

UF: Pelagic regions

BT: Aquatic environment

NT: Neritic province

Oceanic province

RT: Abyssal zone

Bathyal zone

Bathypelagic zone

Lentic environment

Marine environment

Pelagic sedimentation

Pelagic fish

SN: Fish that spend most of their life swimming in the water column with little contact with or dependency on the bottom.

BT: Fish

RT: Pelagic fisheries

Pelagic fisheries

BT: Marine fisheries

RT: Finfish fisheries

Krill fisheries

Longlining

Pelagic fish

Trawlers

Tuna fisheries

Pelagic regions

USE: **Pelagic environment**

Pelagic sedimentation

BT: Sedimentation

RT: Pelagic environment

Pelagic sediments

Pelagic sediments

UF: Pelagic deposits

BT: Sediments

RT: Carbonate sediments

Chemical sediments

Pelagic clay

Pelagic sedimentation

Radiolarite

Siliceous sediments

Pellet feeds

UF: Pelleted foods

BT: Feed

Pelleted foods

USE: **Pellet feeds**

Pen culture

USE: **Cage culture**

Penaeid shrimp fisheries

USE: **Shrimp fisheries**

Penetration depth

RT: Penetrometers

Sediment properties

Soil mechanics

Penetrometers

BT: Measuring devices

RT: Corers

Geological equipment

Penetration depth

Seafloor sampling

Sediment sampling

Peptide mass fingerprinting

USE: **Protein fingerprinting**

Peptide synthesis

USE: **Protein synthesis**

Peptides

BT: Proteins

NT: Polypeptides

RT: Amino acids

Peptization

USE: **Deflocculation**

Peptones

SN: Before 1982 search

PROTEINS

BT: Proteins

Percoid fisheries

SN: Exclude carangid fisheries

UF: Croaker fisheries

Grouper fisheries

Seabream fisheries

Snapper fisheries

BT: Finfish fisheries

RT: Carangid fisheries

Coastal fisheries

Reef fisheries

Percolation

BT: Fluid flow

RT: Ground water

Leaching

Porosity

Seepages

Voids

Perforated structures

BT: Structures

RT: Offshore structures

Performance assessment

BT: Evaluation

RT: Acceptability

Certification

Efficiency

Guidelines

Intercalibration

Intercomparison

Quality control

Reliability

Specifications

Testing

Peridotite

BT: Ultramafic rocks

RT: Kimberlites

Periodic variations

BT: Temporal variations

NT: Annual variations

Diurnal variations

Seasonal variations

RT: Cyclic loading

Long-term changes

Periodicity

Periodicity

UF: Frequency (time)

NT: Annual

Biennial

Daily

Hourly

Monthly

Seasonality

Weekly

RT: Frequency

Periodic variations

Peripheral nerves

USE: **Nerves**

Peripheral nervous system

UF: PNS

BT: Nervous system

NT: Nerves

RT: Sense organs

Periphyton

SN: Assemblage of organisms on submerged objects

BT: Aquatic communities

RT: Epiphytes

Peritoneum

USE: **Abdomen**

Permafrost

UF: Submarine permafrost

RT: Arctic zone

Cryosphere

Land ice

Permanence

RT: Fate

Persistence

Permanent plankton

USE: **Holoplankton**

Permanent thermocline

BT: Thermocline

RT: Upper ocean

Permeability

UF: Sediment permeability
BT: Physical properties
RT: Capillarity
Diffusion
Electrical resistivity
Grain size
Leaching
Osmosis
Porosity
Void ratio
Voids

Permeases

USE: **Enzymes**

Permian

SN: Before 1982 search
PERMIAN SYSTEM
BT: Palaeozoic

Permits

SN: Including statistics relating to fisheries licences and licence fees
BT: Licences
RT: Quota regulations
Season regulations

Persistence

NT: Pollutant persistence
RT: Fate
Permanence

Personal bibliographies

SN: Bibliographies of individual workers
BT: Bibliographies

Personnel

SN: Before 1982 search
SCIENTIFIC PERSONNEL
UF: Employees
Staff (personnel)
Workers
NT: Consultants
Contractors
Crew
Experts
Scientific personnel
RT: Careers
Human resources
Labour
Management
Organizations

PERT

UF: Programme evaluation
Project evaluation
BT: Operations research
RT: Critical path method
Management
Numerical analysis

Perturbation method

BT: Numerical analysis
RT: Perturbations

Perturbations

NT: Tidal perturbation
RT: Oscillations
Perturbation method
Steady state

Pest control

BT: Control
RT: Biological control
Chemical control
Disease control
Herbicide resistance
Infestation
Insecticide resistance
Parasite control
Pesticide resistance
Pesticides
Plant control
Repellents

Pesticide residues

SN: Any substance or mixture of substances in food for man or animals resulting from the use of a pesticide and includes any specified derivatives, such as degradation and conversion products, metabolites, reaction products, and impurities that are considered to be of toxicological significance
BT: Chemical pollutants
RT: Food
Pesticides
Veterinary drugs residues

Pesticide resistance

BT: Control resistance
NT: Herbicide resistance
Insecticide resistance
RT: Defence mechanisms
Herbicides
Insecticides
Pest control

Pesticides

SN: Different chlorinated hydrocarbon products
BT: Biocides
NT: Algicides
Antihelminthic agents
Antiparasitic agents
Bacteriocides
Fungicides
Herbicides
Ichthyocides
Insecticides
Molluscicides
RT: Chemical pollutants
Chlorinated hydrocarbons
DDT
Disinfectants
Hazardous materials
Infestation
Lethal limits
Pest control
Pesticide residues

Repellents

Toxicants

Petrogenesis

SN: Formation of rocks
RT: Petrology
Rocks

Petrography

USE: **Petrology**

Petroleum

UF: Mineral oils
BT: Fossil fuels
NT: Crude oil
Gas condensates
Petroleum residues
RT: Hydrocarbon analysis
Liquefied petroleum gas
Natural gas
Oil
Oil-gas interface
Oil-water interface
Oil and gas fields
Oil and gas industry
Oil wells
Organic sediments
Petroleum engineering
Petroleum geology
Petroleum hydrocarbons
Waxes

Petroleum engineering

BT: Engineering
RT: Chemical engineering
Offshore engineering
Petroleum

Petroleum geology

BT: Geology
RT: Geostatistics
Mud volcanoes
Oil and gas exploration
Oil reservoirs
Petroleum

Petroleum hydrocarbon residues

USE: **Petroleum residues**

Petroleum hydrocarbons

BT: Hydrocarbons
NT: Asphalt
Bitumens
Kerogen
Tar
Volatile hydrocarbons
RT: Petroleum

Petroleum industry

USE: **Oil and gas industry**

Petroleum residues

UF: Petroleum hydrocarbon residues
BT: Petroleum
RT: Asphalt
Bitumens

Oil sands
Oil shale
Tar
Tar balls

Petrology

UF: Petrography
Sedimentary petrography
BT: Geology
RT: Geochemistry
Lithology
Petrogenesis
Rocks
Sediments

pH

UF: Hydrogen ion concentration
BT: Chemical properties
RT: Acid mine drainage
Acidification
Acidity
Alkalinity
Buffers
Hydrogen
pH effects
pH sensors
Water properties

pH effects

BT: Environmental effects
RT: Acidity
Alkalinity
pH

pH sensors

BT: Sensors
RT: pH

Phagocytosis

BT: Defence mechanisms
RT: Amoebocytes
Cells
Endoparasites
Endoparasitism
Granulomas
Macrophages

Phanerozoic

SN: Before 1982 search
PHANEROZOIC EON
BT: Geological time
RT: Cenozoic
Mesozoic
Palaeozoic

Pharmaceutical pollution

UF: Drug pollution
BT: Pollution
RT: Drugs
Sewage
Sewage disposal
Sewage treatment
Veterinary drugs
Water pollution

Pharmaceutical products

USE: **Drugs**

Pharmacodynamics

USE: **Pharmacology**

Pharmacology

UF: Pharmacodynamics
RT: Bioactive compounds
Biochemistry
Drugs
Medicine
Microbiology
Therapy
Toxicology

Phase changes

UF: Changes of state
Phase transformations
NT: Condensation
Fluidization
Freezing
Melting
Solidification
Vaporization
RT: Heat transfer
Thermodynamics
Transition temperatures

Phase transformations

USE: **Phase changes**

Phase velocity

BT: Velocity
RT: Group velocity
Water waves
Wave dispersion
Wave velocity

Phenology

RT: Behaviour
Biological rhythms
Breeding
Climate
Climatology
Ecology
Migrations
Photoperiodicity
Seasonal variations
Temporal variations

Phenols

BT: Aromatics
RT: Chemical pollutants
Industrial wastes
Toxicants

Phenomena (biological)

USE: **Biological phenomena**

Phenotypes

SN: Refers to the observable physical properties of an organism; these include the organism's appearance, development, and behaviour (e.g. biological trait = eye colour; Phenotype = blue eyed). An organism's phenotype is

determined by its genotype, which is the set of genes the organism carries, as well as by environmental influences upon these genes during the organisms development. Usually referred to in papers which also mention genetics and genotypes. Phenotype can refer collectively to all the biological traits belonging to an organism
RT: Biological traits
Ecophene
Environmental effects
Genotypes
Organism morphology
Phenotypic variations
Typology

Phenotypic variations

UF: Variations (phenotypic)
RT: Environmental effects
Phenotypes

Phenylalanine

BT: Amino acids

Pheromones

BT: Hormones

Phillipsite

BT: Zeolites

Phonoreceptors

USE: **Auditory organs**

Phosphatase

BT: Enzymes

Phosphate cycle

USE: **Phosphorus cycle**

Phosphate deposits

SN: Use only for deposits of economic value
BT: Chemical sediments
Subsurface deposits
RT: Authigenic minerals
Guano
Phosphate rocks
Phosphates
Phosphorite nodules

Phosphate minerals

BT: Minerals
NT: Apatite
Francolite
Monazite
RT: Phosphate rocks
Phosphates
Phosphorite nodules

Phosphate rocks

BT: Rocks
RT: Phosphate deposits
Phosphate minerals
Phosphates

- Phosphorite
Sedimentary rocks
- Phosphates**
BT: Phosphorus compounds
NT: ADP
AMP
ATP
Calcium phosphates
Iron phosphates
Orthophosphate
RT: Non-conservative properties
Nutrients (mineral)
Phosphate deposits
Phosphate minerals
Phosphate rocks
Phosphatization
Phosphoric acid
Phosphorus cycle
Salts
- Phosphatic concretions
USE: **Phosphorite nodules**
- Phosphatization**
RT: Phosphates
- Phospholipids
USE: **Complex lipids**
- Phosphorescence**
UF: Phosphorescent wheels
BT: Luminescence
RT: Biological properties
Bioluminescence
Chemiluminescence
Fluorescence
- Phosphorescent wheels
USE: **Phosphorescence**
- Phosphoric acid**
SN: Before 1982 search also
INORGANIC ACIDS
BT: Inorganic acids
RT: Phosphates
- Phosphorite**
RT: Authigenic minerals
Phosphate rocks
Phosphorite nodules
- Phosphorite concretions
USE: **Phosphorite nodules**
- Phosphorite nodules**
UF: Phosphatic concretions
Phosphorite concretions
BT: Nodules
Seabed deposits
RT: Phosphate deposits
Phosphate minerals
Phosphorite
- Phosphorus**
BT: Nonmetals
NT: Organic phosphorus
- RT: Phosphorus compounds
Phosphorus cycle
Phosphorus isotopes
- Phosphorus compounds**
BT: Chemical compounds
NT: Phosphates
RT: Chemical fertilizers
Organic compounds
Phosphorus
Phosphorus cycle
- Phosphorus cycle**
UF: Phosphate cycle
BT: Nutrient cycles
RT: Phosphates
Phosphorus
Phosphorus compounds
- Phosphorus isotopes**
BT: Isotopes
RT: Phosphorus
- Photic environment
USE: **Epipelagic zone**
- Photochemical reactions**
UF: Photoionization
Photoreduction
BT: Chemical reactions
NT: Photolysis
Photosynthesis
RT: Photochemistry
- Photochemistry**
BT: Chemistry
RT: Photochemical reactions
Photolysis
Photosynthesis
- Photogenic organs
USE: **Photophores**
- Photogrammetry**
UF: Photographic measurement
BT: Measurement
RT: Cartography
Current measurement
Photography
Surveying underwater
Wave measurement
- Photographic equipment**
BT: Equipment
NT: Cameras
RT: Photographs
Photography
Remote sensing equipment
Surveying equipment
- Photographic measurement
USE: **Photogrammetry**
- Photographic techniques
USE: **Photography**
- Photographs
BT: Audiovisual materials
- NT: Aerial photographs
Underwater photographs
RT: Photographic equipment
Photography
- Photography**
UF: Photographic techniques
BT: Imagery
NT: Aerial photography
Microphotography
Stereophotography
Underwater photography
RT: Cameras
Films
Holography
Optics
Photogrammetry
Photographic equipment
Photographs
Radiography
- Photoionization
USE: **Photochemical reactions**
- Photolysis**
BT: Photochemical reactions
RT: Photochemistry
- Photometers**
UF: Hydrophotometers
BT: Light measuring instruments
NT: Spectrophotometers
RT: Nephelometers
Photometry
Radiometers
- Photometry**
BT: Light measurement
RT: Colorimetric techniques
Light intensity
Photometers
Quanta meters
Spectroscopic techniques
- Photoperiod effects
USE: **Light effects**
- Photoperiodicity**
UF: Photoperiodism
RT: Biological rhythms
Breeding
Diapause
Diurnal variations
Ecology
Light
Light effects
Light stimuli
Migrations
Phenology
Photoperiods
- Photoperiodism
USE: **Photoperiodicity**
- Photoperiods**
SN: Before 1982 search
PHOTOPERIODICITY

UF: Day length
Light duration
RT: Circadian rhythms
Diurnal variations
Ecophysiology
Light effects
Photoperiodicity

Photophelein
USE: **Luciferin**

Photophores

UF: Luminescent organs
Luminous organs
Photogenic organs
BT: Animal organs
RT: Bioluminescence
Light organs
Luminous organisms

Photopolymerization
USE: **Polymerization**

Photoreception

BT: Sense functions
RT: Light stimuli
Vision

Photoreceptors

BT: Sense organs
NT: Eyes
RT: Light
Vision

Photoreduction

USE: **Photochemical reactions**

Photosynthesis

BT: Photochemical reactions
NT: Carbon fixation
RT: Biogeochemical cycle
Biosynthesis
Carbon dioxide
Carotenoids
Chemical reactions
Chemosynthesis
Compensation depth
Leaves
Light stimuli
Oxygen demand
Photochemistry
Photosynthetic pigments
Photosystem I
Photosystem II
Phytobenthos
Phytoplankton
Plant metabolism
Plant nutrition
Plant physiology
Primary production
Solar radiation
Transpiration
Xanthophylls

Photosynthetic pigments

BT: Pigments
NT: Chlorophylls

Xanthophylls
RT: Carotenoids
Chloroplasts
Photosynthesis

Photosynthetic zone
USE: **Euphotic zone**

Photosystem I

RT: Photosynthesis
Photosystem II

Photosystem II

RT: Photosynthesis
Photosystem I

Phototaxis

BT: Taxis
RT: Light
Light effects
Light penetration
Light stimuli
Nyctimeral rhythms
Phototropism
Solar radiation
Vertical migrations

Phototropism

UF: Thermophototropism
BT: Tropism
RT: Circadian rhythms
Light
Light effects
Light penetration
Light stimuli
Nyctimeral rhythms
Phototaxis
Solar radiation
Vertical migrations

Phreatic water

USE: **Ground water**

Phthalate esters

UF: Phthalic acid esters
BT: Esters
RT: Chemical pollutants

Phthalic acid esters

USE: **Phthalate esters**

Phycologists

USE: **Algologists**

Phycology

USE: **Algology**

Phyllosomae

BT: Crustacean larvae

Phylogenetics

SN: The study of evolutionary relationships
RT: Biological speciation
DNA barcoding
Evolution
Phylogeny

Taxonomy

Phylogeny

BT: Biogeny
RT: Biological speciation
Bioselection
Ontogeny
Phylogenetics
Taxonomy

Physical limnology

SN: Before 1982 search
LIMNOLOGY (PHYSICAL)
UF: Limnology (physical)
BT: Limnology
RT: Hydrodynamics
Lake dynamics
Physical oceanography
Physics
Thermal stratification
Water analysis
Water circulation
Water currents
Water properties
Water temperature
Water waves

Physical models

USE: **Scale models**

Physical oceanography

UF: Marine physics
BT: Oceanography
NT: Hydrography
RT: Hydrodynamics
Physical limnology
Physics
Thermal stratification
Water analysis
Water circulation
Water currents
Water properties
Water temperature
Water waves

Physical properties

BT: Properties
NT: Acoustic properties
Anisotropy
Buoyancy
Density
Electrical properties
Geothermal properties
Magnetic properties
Mass
Mechanical properties
Optical properties
Permeability
Porosity
Pressure
Specific gravity
Thermodynamic properties
Turbidity
Water hardness
Weight
RT: Chemical properties
Physicochemical properties

Sediment properties
Surface properties
Water properties
Wave properties

Physicochemical properties

BT: Properties
RT: Biological properties
Chemical properties
Physical properties
Water properties

Physics

NT: Acoustics
Atmospheric physics
Biophysics
Mechanics
Nuclear physics
Optics
Thermodynamics
RT: Physical limnology
Physical oceanography

Physiochemistry

USE: **Biochemistry**

Physiographic features

USE: **Topographic features**

Physiographic provinces

RT: Bottom topography
Landforms
Topographic features

Physiography

USE: **Geomorphology**

Physiological adaptations

USE: **Acclimatization**

Physiological calcification

USE: **Calcification**

Physiological ecology

USE: **Ecophysiology**

Physiological markers

USE: **Biomarkers**

Physiology

BT: Biology
NT: Animal physiology
Diving physiology
Ecophysiology
Electrophysiology
Endocrinology
Human physiology
Neurophysiology
Plant physiology
RT: Anatomy
Biochemistry
Biomarkers
Biophysics
Cryobiology
Digestion
Hormones
Hunger

Metabolism
Nutrition
Pathology
Stable isotopes
Synergism

Physiology (animal)

USE: **Animal physiology**

Physiology (aquatic mammals)

USE: **Mammalian physiology**

Physiology (fish)

USE: **Fish physiology**

Physiology (plants)

USE: **Plant physiology**

Phytobenthos

UF: Benthic algae
Benthic flora
BT: Benthos
RT: Algology
Aquatic plants
Microorganisms
Photosynthesis
Primary production

Phytogeography

USE: **Biogeography**

Phytohormones

SN: Before 1982 search
HORMONES
UF: Cytokinins
Gibberellins
Plant hormones
BT: Hormones
RT: Aquatic plants
Auxins
Plant physiology

Phytology

USE: **Botany**

Phytophagous fishes

USE: **Herbivorous fish**

Phytoplankton

UF: Planktonic algae
BT: Microorganisms
Plankton
RT: Algal blooms
Algology
Aquatic plants
Blooms
Botany
Ecosystem services
Food organisms
Ocean colour
Patchiness
Photosynthesis
Phytoplankton culture
Primary production
Red tides

Phytoplankton culture

UF: Diatom culture
Single cell culture
BT: Algal culture
RT: Cell culture
Continuous culture
Cultured organisms
Mass culture
Phytoplankton
Plant culture

Phytosociology

UF: Plant sociology
BT: Ecology
RT: Aquatic plants
Biogeography
Botany

Picoplankton

BT: Plankton

Piers

BT: Coastal structures

Piezoelectric transducers

BT: Transducers
RT: Acoustic transducers
Hydrophones

Pig-fish culture

USE: **Agropisciculture**

Pig farms

USE: **Agropisciculture**

Pigging

RT: Cleaning
Pipeline pigs

Pigments

BT: Glycosides
NT: Chromatic pigments
Photosynthetic pigments
Respiratory pigments
Visual pigments
RT: Discolouration
Dyes
Porphyrins

Pigs (pipeline)

USE: **Pipeline pigs**

Pilchard fisheries

USE: **Clupeoid fisheries**

Pile driving

RT: Bearing capacity
Piles

Piled platforms

UF: Jackets
BT: Fixed platforms
RT: Guyed towers

Piles

SN: Before 1986 search also
PILES (FOUNDATIONS) and
PILING
UF: Piles (foundations)
Piling
BT: Foundations
RT: Pile driving

Piles (foundations)
USE: **Piles**

Piling
USE: **Piles**

Pillow lava

BT: Lava
RT: Palagonite
Pillow structures

Pillow structures

BT: Sedimentary structures
RT: Pillow lava

Pilot-scale culture
USE: **Experimental culture**

Pilot charts
USE: **Navigational charts**

Pineal gland
USE: **Pineal organ**

Pineal organ

UF: Pineal gland
BT: Brain
RT: Neurosecretion
Neurosecretory system

Pingers

UF: Acoustic pingers
BT: Sound generators
RT: Electroacoustic devices
Swallow floats

Pinnipeds
USE: **Aquatic mammals**

Pipe buckling

UF: Buckling (pipe)
RT: Deformation
Pipelines
Pipes

Pipe laying

SN: Pipeline construction from
barges
BT: Pipeline construction
RT: Pipelines
Pipes

Pipe stringers

UF: Stringers
RT: Pipelaying barges

Pipelaying barges

BT: Barges

RT: Pipe stringers

Pipeline construction

BT: Construction
NT: Bottom tow
Pipe laying
RT: Anchoring
Burying
Connecting
Pipeline crossing
Pipelines
Trenching
Welding

Pipeline crossing

RT: Pipeline construction
Pipelines

Pipeline pigs

UF: Pigs (pipeline)
RT: Pigging

Pipeline protection

BT: Erosion control
RT: Burying
Pipelines
Scour protection

Pipeline pumping stations
USE: **Pump stations**

Pipelines

UF: Submarine pipelines
BT: Underwater structures
NT: Flowlines
Gathering lines
RT: Gas terminals
Pipe buckling
Pipe laying
Pipeline construction
Pipeline crossing
Pipeline protection
Pump stations
Trenches (pipelines)

Pipes

SN: Before 1986 search also PIPE
UF: Line pipe
NT: Riser pipes
RT: Hoses
Pipe buckling
Pipe laying
Tubing

Piracy

SN: Any robbery or other violent
action, for private ends and
without authorization by public
authority, committed on the seas
or in the air outside the normal
jurisdiction of any state
UF: Hijacking of ships
Hijacking of yachts
Maritime piracy
RT: Hazards
Health and safety
High seas

Law of the sea
Security
Smuggling
Surveillance and enforcement
Territorial waters

Piscicides
USE: **Ichthyocides**

Pisciculture
USE: **Fish culture**

Piscine erythrocyte necrosis
USE: **Necroses**

Piscivores

UF: Piscivory
BT: Heterotrophic organisms
RT: Carnivores
Herbivores
Omnivores
Predators
Trophic levels

Piscivory
USE: **Piscivores**

Piston corers

SN: Before 1986 use also PISTON
SAMPLERS
UF: Piston samplers
BT: Corers

Piston samplers
USE: **Piston corers**

Pitch (mineral)
USE: **Bitumens**

Pitch response

BT: Dynamic response
RT: Buoy motion effects
Pitching

Pitching

BT: Ship motion
RT: Buoy motion effects
Pitch response

Pits

UF: Gravel pits
Open mines
Sand pits
RT: Quarries
Strip mine lakes

Pitting
USE: **Corrosion**

Pituitary gland

UF: Hypophysis
BT: Endocrine glands
RT: Hypophysectomy

Placenta

RT: Foetus
Pregnancy

Placer deposits
USE: **Placers**

Placer mining
BT: Mining
RT: Mineral deposits
Mineral exploration
Placers

Placers
UF: Placer deposits
BT: Seabed deposits
NT: Diamonds
RT: Arenites
Barite
Cassiterite
Chromite
Garnet
Gold
Ilmenite
Magnetite
Monazite
Placer mining
Platinum
Rutile
Zircon

Plagioclase
BT: Feldspars

Plaice fisheries
USE: **Flatfish fisheries**

Plains
BT: Landforms
RT: Abyssal plains
Flood plains

Planation surfaces
USE: **Erosion surfaces**

Planetary atmospheres
UF: Atmosphere (planetary)
NT: Earth atmosphere
RT: Atmosphere evolution

Planetary boundary layer
USE: **Atmospheric boundary layer**

Planetary vorticity
BT: Vorticity
RT: Coriolis parameters
Westward intensification

Planetary waves
UF: Quasi-geostrophic waves
Rossby waves
Topographic planetary waves
Waves (planetary)
RT: Atmospheric motion
Equatorial dynamics
Fluid motion
Jet stream
Rossby parameter
Water motion
Water waves

Planetary winds
UF: Zonal wind systems
BT: Winds
NT: Monsoons
Trade winds
Westerlies

Planktivores
USE: **Plankton feeders**

Plankton
BT: Aquatic communities
NT: Cryoplankton
Nannoplankton
Phytoplankton
Picoplankton
Zooplankton
RT: Luminous organisms
Patchiness
Plankton collecting devices
Plankton equivalents
Plankton feeders
Plankton surveys
Planktonology
Seston

Plankton blooms
USE: **Algal blooms**

Plankton collecting devices
UF: Plankton nets
BT: Collecting devices
RT: Fishing nets
Neuston
Plankton
Plankton surveys

Plankton entrainment
USE: **Entrainment**

Plankton equivalents
BT: Population factors
RT: Biological production
Biomass
Plankton

Plankton feeders
UF: Planktivores
BT: Heterotrophic organisms
RT: Carnivores
Filter feeders
Plankton

Plankton nets
USE: **Plankton collecting devices**

Plankton studies
USE: **Planktonology**

Plankton surveys
BT: Biological surveys
NT: Ichthyoplankton surveys
RT: Plankton
Plankton collecting devices
Planktonology

Planktonic algae
USE: **Phytoplankton**

Planktonology
UF: Plankton studies
BT: Ecology
RT: Marine sciences
Plankton
Plankton surveys

Planning
UF: Aquaculture planning
Programming
NT: Community planning
Long-term planning
National planning
Regional planning
Short-term planning
Spatial planning
RT: Co-management
Framework
Governance
Guidelines
Management
Methodology
Operations research
Procedures
Programmes
Scientific advice

Planning (national)
USE: **National planning**

Plant (equipment)
USE: **Equipment**

Plant control
SN: Chemical, biological and mechanical control of aquatic weeds and injurious algae
UF: Aquatic weed control
Vegetation control
Weed cutting
BT: Control
RT: Biological control
Chemical control
Herbicides
Herbivorous fish
Pest control
Plant diseases
Plant utilization
Vegetation cover
Weeds

Plant culture
SN: Applies only to culture of aquatic macrophytes
UF: Aquatic plant culture
BT: Cultures
NT: Seaweed culture
RT: Agropisciculture
Aquatic plants
Botany
Phytoplankton culture

Plant diseases
BT: Diseases

RT: Parasitic diseases
Plant control
Plant physiology

Plant fossils
USE: **Vegetal fossils**

Plant growth
BT: Growth
RT: Gametophytes
Growth rings
Hydroponics
Vegetation cover

Plant hormones
USE: **Phytohormones**

Plant metabolism
SN: Before 1982 search
METABOLISM
BT: Metabolism
RT: Photosynthesis
Plant physiology

Plant morphology
SN: Before 1982 search
MORPHOLOGY
(ORGANISMS)
UF: Morphology (plant)
BT: Organism morphology
RT: Plant organs
Plant physiology

Plant nutrition
BT: Nutrition
RT: Autotrophy
Hydroponics
Photosynthesis
Plant physiology

Plant organs
UF: Organs (plant)
BT: Body organs
NT: Holdfasts
Leaves
Plant reproductive structures
Rhizomes
Roots
Shoots
Stems
Thallus
RT: Buds
Plant morphology
Plant physiology
Tissues

Plant physiology
SN: Before 1982 search
PHYSIOLOGY
UF: Physiology (plants)
BT: Physiology
RT: Aestivation
Algology
Auxins
Botany
Photosynthesis
Phytohormones

Plant diseases
Plant metabolism
Plant morphology
Plant nutrition
Plant organs
Stomata

Plant populations
UF: Populations (plants)
BT: Natural populations

Plant reproductive structures
UF: Reproductive structures
(plant)
BT: Plant organs
NT: Turions
RT: Asexual reproduction
Pollen
Pollination
Rhizomes
Vegetative reproduction

Plant resources
USE: **Botanical resources**

Plant sociology
USE: **Phytosociology**

Plant strains
SN: The term has no official
ranking status in botany. It is a
pre-cultivar stage of breeding.
Before 2016 search STRAINS
+ FLORA
UF: Strains (plants)
BT: Botanical resources
RT: Flora
Selective breeding
Taxa

Plant utilization
UF: Aquatic plant utilization
Aquatic weed utilization
Water weed utilization
BT: Utilization
RT: Aquatic plants
Plant control
Shading

Plants
USE: **Flora**

Plants (aquatic)
USE: **Aquatic plants**

Plasma (blood)
USE: **Blood**

Plasma membranes
USE: **Cell membranes**

Plasmalemma
USE: **Cell membranes**

Plasmids
SN: Extrachromosomal, usually
circular DNA molecules that are

self-replicating and transferable
from one organism to another.
They are found in a variety of
bacterial, archaeal, fungal, algal,
and plant species. They are used
in genetic engineering as
cloning vectors
BT: Nucleic acids
RT: Bacteria
DNA
Genetics
Molecules

Plastic coatings
BT: Coating materials
RT: Epoxy resins
Plastics

Plastic debris
BT: Solid impurities
RT: Litter
Marine debris
Micro-plastic pollution
Plastics

Plastic flow
RT: Deformation
Plasticity
Rheology

Plastic materials
USE: **Plastics**

Plasticity
RT: Compressibility
Deformation
Elasticity
Plastic flow

Plastics
UF: Plastic materials
BT: Materials
NT: Acrylics
Glass-reinforced plastics
RT: Plastic coatings
Plastic debris
Synthetic fibres

Plastids
RT: Cytoplasm

Plate boundaries
NT: Converging plate boundaries
Diverging plate boundaries
Transform plate boundaries
RT: Active margins
Boundaries
Plate margins
Plate tectonics
Plates
Submarine volcanoes
Triple junctions
Volcanism

Plate convergence
BT: Convergence
RT: Active margins

Converging plate boundaries
Island arcs
Oceanic trenches
Plate divergence
Plate motion
Plate tectonics
Subduction zones

Plate divergence

BT: Divergence
RT: Crustal accretion
Diverging plate boundaries
Mantle plumes
Median valleys
Mid-ocean ridges
Passive margins
Plate convergence
Plate motion
Rift zones
Rifting
Spreading centres

Plate margins

UF: Margins (plate)
RT: Active margins
Plate boundaries
Plates

Plate motion

RT: Plate convergence
Plate divergence
Plate tectonics
Plates
Rotation

Plate tectonics

UF: Global tectonics
BT: Tectonics
RT: Asthenosphere
Benioff zone
Continental drift
Crustal adjustment
Fracture zones
Hot spots
Lithosphere
Mantle convection
Mantle plumes
Moho
Obduction
Orogeny
Palaeomagnetism
Plate boundaries
Plate convergence
Plate motion
Plates
Polar wandering
Rotation
Seafloor spreading
Spreading centres
Subduction
Subduction zones
Transform faults

Plateaux

BT: Landforms
NT: Submarine plateaux

Plates

UF: Lithospheric plates
Tectonic plates
BT: Earth structure
RT: Lithosphere
Obduction
Plate boundaries
Plate margins
Plate motion
Plate tectonics
Subduction
Subduction zones
Triple junctions

Platforms (geology)

RT: **Cratons**

Platforms (instrument)

USE: **Instrument platforms**

Platforms (offshore)

USE: **Offshore structures**

Platforms (work)

USE: **Work platforms**

Platinum

BT: Heavy metals
Transition elements
RT: Placers

Playa lakes

USE: **Playas**

Playas

SN: Use for continental or inland
sabkhas
UF: Playa lakes
BT: Ephemeral lakes
Sabkhas
RT: Arid environments
Lake deposits
Salt deposits
Salt lakes

Pleistocene

SN: Before 1982 search
PLEISTOCENE EPOCH
UF: Glacial epoch
BT: Quaternary
RT: Ice ages
Interglacial periods
Plio-pleistocene boundary

Pleuston

SN: Freefloating plants
BT: Aquatic communities
RT: Aquatic plants
Weeds

Plio-pleistocene boundary

RT: Pleistocene
Pliocene

Pliocene

SN: Before 1982 search
PLIOCENE EPOCH

BT: Neogene

RT: Plio-pleistocene boundary

Ploidy

UF: Ploidy level
NT: Diploids
Haploids
Polyploids
RT: Chromosomes
Genetics
Zygotes

Ploidy level

USE: **Ploidy**

Plotting

RT: Geographical coordinates
Mapping

Ploughing trenches

USE: **Trenching**

Ploughmarks

UF: Iceberg scour marks
BT: Bed forms
RT: Glacial erosion
Glacial features
Iceberg scouring

Ploughs

UF: Plows
RT: Trenching

Plows

USE: **Ploughs**

Plumbline deflection

BT: Deflection
RT: Geodesy
Gravity

Plumes

SN: Before 1982 search PLUMES
(AQUATIC). Use of a more
specific term is recommended
UF: Plumes (aquatic)
BT: Fluid flow
NT: Chemical plumes
Mantle plumes
River plumes
Thermal plumes
RT: Buoyant jets
Coastal fronts
Turbulent entrainment

Plumes (aquatic)

USE: **Plumes**

Plumulae

USE: **Feathers**

Plutonium

BT: Actinides
Transuranic elements
RT: Plutonium isotopes
Radioactivity

Plutonium isotopes

BT: Isotopes
RT: Plutonium

Plutons

BT: Igneous rocks
RT: Batholiths
Igneous intrusions

PMF

USE: **Protein fingerprinting**

PNS

USE: **Peripheral nervous system**

Pock marks

BT: Bed forms
RT: Gas turbation
Microtopography

Poikilothermic animals

USE: **Poikilothermy**

Poikilothermy

UF: Cold blooded animals
Poikilothermic animals
BT: Biological properties
RT: Body temperature
Homoiothermy
Thermoregulation

Poincare waves

USE: **Tidal waves**

Point pollution

USE: **Point source pollution**

Point pollution sources

USE: **Point source pollution**

Point source pollution

UF: Point pollution
Point pollution sources
Point sources
BT: Pollution sources
RT: Effluents
Nonpoint pollution sources
Pollution
Runoff
Wastes
Water pollution

Point sources

USE: **Point source pollution**

Poiseuille flow

USE: **Laminar flow**

Poison fishing

USE: **Fish poisoning**

Poison tolerance

USE: **Toxicity tolerance**

Poisoning

USE: **Fish poisoning**

Poisonous fish

BT: Fish
Poisonous organisms
RT: Ciguatera
Ciguatoxin
Venom apparatus

Poisonous organisms

UF: Toxic organisms
BT: Noxious organisms
NT: Poisonous fish
RT: Allergic reactions
Biological poisons
Red tides

Poisons (biological)

USE: **Biological poisons**

Poisson's equation

BT: Equations
RT: Harmonic functions
Laplace equation

Poisson's ratio

BT: Ratios
RT: Compressive strength
Elastic constants
Elasticity
Flexibility
Strain
Tensile strength

Polar air masses

BT: Air masses
RT: Antarctic front
Polar meteorology

Polar convergences

BT: Oceanic convergences
NT: Antarctic convergence

Polar environment

USE: **Polar zones**

Polar exploration

BT: Exploration
RT: Geographical exploration
Navigation in ice
Navigation under ice
Polar zones

Polar front jet stream

USE: **Jet stream**

Polar fronts

SN: Use only for semi-permanent
front separating air masses of
tropical and polar origin
UF: Atmospheric polar fronts
BT: Atmospheric convergences
Fronts
NT: Antarctic front
RT: Cyclones

Polar meteorology

BT: Meteorology
RT: Antarctic front

Polar air masses

Polar oceanography
Polar zones

Polar migration

USE: **Polar wandering**

Polar motion

USE: **Polar wandering**

Polar navigation

USE: **Navigation in ice**

Polar oceanography

BT: Oceanography
RT: Polar meteorology
Polar waters
Polar zones

Polar wandering

UF: Polar migration
Polar motion
RT: Continental drift
Earth rotation
Palaeolatitude
Palaeomagnetism
Plate tectonics
Pole positions
Rotation

Polar waters

UF: Antarctic waters
Arctic waters
RT: Polar oceanography
Polar zones

Polar zones

UF: Polar environment
BT: Climatic zones
NT: Antarctic zone
Arctic zone
RT: Polar exploration
Polar meteorology
Polar oceanography
Polar waters

Polarisation

USE: **Polarization**

Polarization

UF: Polarisation
Polarizing
RT: Electrolysis
Electromagnetic radiation
Light scattering
Optical properties
Orientation
Radiative transfer

Polarizing

USE: **Polarization**

Polarography

BT: Analytical techniques
RT: Electroanalysis
Electrolysis
Redox reactions
Voltammetry

Polders

RT: Embankments
Land reclamation
Sea level

Pole-line fishing

BT: Line fishing
RT: Angling

Pole culture

USE: **Off-bottom culture**

Pole positions

RT: Geomagnetic field
Magnetic reversals
Palaeomagnetism
Polar wandering

Pole tides

BT: Tides
RT: Chandler wobble
Long-period tides
Tidal constituents

Poleward heat flux

USE: **Heat transport**

Policies

SN: Use of a more specific term is recommended
UF: Government policy
Policy (government)
NT: Fishery policy
Food-chain approach
International policy
Navigation policy
Ocean policy
Poverty alleviation
Water policy
RT: Food insecurity
Food security
Governance
Governments
Legislation
Political aspects
Public sector
Regulatory compliance
Scientific advice

Policy (government)

USE: **Policies**

Policy (international)

USE: **International policy**

Political aspects

UF: Political constraints
RT: Governments
Legal aspects
Policies
Public sector

Political constraints

USE: **Political aspects**

Pollack fisheries

USE: **Gadoid fisheries**

Pollen

RT: Atmospheric particulates
Fossil pollen
Palynology
Plant reproductive structures
Pollination

Pollen analysis

USE: **Palynology**

Pollination

UF: Cross pollination
Self pollination
RT: Plant reproductive structures
Pollen
Sexual reproduction

Pollutant detection

USE: **Pollution detection**

Pollutant identification

BT: Identification
RT: Pollutants
Toxicity tests
Water analysis

Pollutant persistence

BT: Persistence
RT: Pollutants
Pollution data
Pollution effects

Pollutants

SN: Harmful substances of chemical, physical or biological origin
UF: Contaminants (pollution)
Polluting substances
NT: Biological pollutants
Chemical pollutants
Radioactive pollutants
Solid impurities
RT: Body burden
Flushing time
Lethal limits
Mortality causes
Nanoparticles
Pollutant identification
Pollutant persistence
Pollution
Toxicology
Veterinary drugs residues
Wastes

Polluting substances

USE: **Pollutants**

Pollution

SN: Use of a more specific term is recommended
UF: Contamination (pollutants)
Environmental contamination
Environmental pollution
NT: Agricultural pollution
Air pollution
Chemical pollution

Faecal pollution
Food contamination
Industrial pollution
Land-based pollution
Micro-plastic pollution
Microbial contamination
Oil pollution
Pharmaceutical pollution
Radioactive contamination
Sea-based pollution
Sediment pollution
Thermal pollution
Water pollution

RT: Ecological crisis

Nanoparticles
Nonpoint pollution sources
Point source pollution
Pollutants
Pollution control
Pollution convention
Pollution data
Pollution detection
Pollution effects
Pollution gradients
Pollution legislation
Pollution maps
Pollution monitoring
Pollution surveys
Pollution tolerance
Seepages

Pollution abatement

USE: **Pollution control**

Pollution charts

USE: **Pollution maps**

Pollution control

SN: Control of pollution in aquatic environment only
UF: Pollution abatement
Pollution prevention
Water pollution control
BT: Control
NT: Containment
RT: Bioremediation
Environmental protection
Industrial pollution
Pollution
Pollution convention
Pollution legislation
Water pollution treatment
Water quality control

Pollution control legislation

USE: **Pollution legislation**

Pollution convention

UF: Pollution treaties
BT: International agreements
RT: Ocean dumping
Pollution
Pollution control
Pollution legislation
Pollution monitoring
Regulatory compliance

Pollution data

BT: Data
RT: Pollutant persistence
Pollution
Pollution dispersion
Pollution monitoring
Pollution surveys

Pollution detection

UF: Pollutant detection
BT: Detection
RT: Chemical analysis
Industrial pollution
Pollution
Pollution legislation
Pollution surveys
Sediment analysis
Water analysis

Pollution dispersion

RT: Pollution data
Pollution monitoring
Pollution surveys

Pollution effects

SN: Pollution effects on aquatic environment, organisms, fisheries and human health
UF: Water pollution effects
RT: Anoxic conditions
Anthropogenic factors
Bioaccumulation
Biological uptake
Carcinogenesis
Environmental degradation
Environmental impact
Eutrophication
Industrial pollution
Lethal effects
Man-induced effects
Mortality causes
Pollutant persistence
Pollution
Pollution gradients
Pollution monitoring
Pollution surveys
Pollution tolerance
Sublethal effects
Toxicity

Pollution gradients

BT: Gradients
RT: Pollution
Pollution effects
Pollution monitoring
Pollution surveys

Pollution indicators

BT: Indicators
RT: Pollution monitoring

Pollution legislation

UF: Pollution control legislation
Pollution regulations
BT: Environmental legislation
RT: Industrial pollution
Pollution

Pollution control
Pollution convention
Pollution detection
Pollution monitoring

Pollution maps

SN: Before 1982 search
POLLUTION CHARTS.
Distributional charts of pollutants or polluted areas in aquatic environment
UF: Pollution charts
BT: Maps
RT: Pollution
Pollution monitoring
Pollution surveys

Pollution measurements

USE: **Pollution monitoring**

Pollution monitoring

UF: Pollution measurements
Pollution surveillance
BT: Environmental monitoring
RT: Coliforms
Industrial pollution
Pollution
Pollution convention
Pollution data
Pollution dispersion
Pollution effects
Pollution gradients
Pollution indicators
Pollution legislation
Pollution maps
Pollution surveys

Pollution prevention

USE: **Pollution control**

Pollution regulations

USE: **Pollution legislation**

Pollution self-control

USE: **Self purification**

Pollution sources

SN: Refers to origin of the pollutant which can be point specific or non-point specific. Use of a more specific term(s) is recommended
UF: Water pollution sources
NT: Nonpoint pollution sources
Point source pollution
RT: Port operations
Shipyards

Pollution surveillance

USE: **Pollution monitoring**

Pollution surveys

SN: Surveys of polluted areas of aquatic environment
BT: Environmental surveys
RT: Industrial pollution
Pollution

Pollution data
Pollution detection
Pollution dispersion
Pollution effects
Pollution gradients
Pollution maps
Pollution monitoring

Pollution tolerance

BT: Tolerance
RT: Bioaccumulation
Industrial pollution
Pollution
Pollution effects
Sublethal effects

Pollution treaties

USE: **Pollution convention**

Polonium

BT: Nonmetals
RT: Polonium isotopes

Polonium isotopes

BT: Isotopes
RT: Polonium

Polychlorinated biphenyls

USE: **PCB**

Polychlorinated dibenzodioxins

USE: **Dioxins**

Polychlorinated dibenzofurans

USE: **Furans**

Polychloropinene

USE: **Ichthyocides**

Polyculture

UF: Composite cultures
Mixed species culture
BT: Aquaculture techniques
RT: Crab culture
Fish culture
Frog culture
Intensive culture
Monoculture
Pond culture
Prawn culture
Shrimp culture

Polycyclic hydrocarbons

USE: **Aromatic hydrocarbons**

Polyhalite

BT: Sulphate minerals
RT: Gypsum

Polymerase chain reaction

SN: In vitro method for producing large amounts of specific DNA or RNA fragments of defined length and sequence from small amounts of short oligonucleotide flanking sequences (primers)
UF: PCR

BT: Genetic techniques
RT: DNA
DNA fingerprinting
DNA replication
Polymerization

Polymerization

UF: Copolymerization
Photopolymerization
BT: Chemical reactions
RT: Depolymerization
DNA
Polymerase chain reaction
Polymers
RNA

Polymers

RT: Chemical compounds
Polymerization

Polymetallic nodules

USE: **Ferromanganese nodules**

Polymetallic sulphide deposits

USE: **Sulphide deposits**

Polymorphism (biological)

USE: **Biopolymorphism**

Polynyas

UF: Ice clearings
RT: Floating ice
Ice canopy
Leads

Polypeptides

BT: Peptides

Polyploids

UF: Polyploidy
BT: Ploidy
RT: Chromosomes
Diploids
Genetics
Haploids

Polyploidy

USE: **Polyploids**

Polyps

SN: Cylindrical sedentary body form in Hydrozoa and Anthozoa
RT: Budding
Buds
Coral reefs
Tentacles

Polysaccharides

BT: Saccharides
NT: Agarose
Alginic acid
Cellulose
Mucopolysaccharides
Starch
RT: Agar
Dietary fibre

Polyspermy

RT: Biological fertilization
Sexual cells
Sexual reproduction
Sperm

Polyunsaturated fatty acids

BT: Fatty acids
NT: Linoleic acid
RT: Polyunsaturated hydrocarbons

Polyunsaturated hydrocarbons

BT: Unsaturated hydrocarbons
NT: Squalene
Terpenes
RT: Polyunsaturated fatty acids

Pond construction

SN: Referring to design and hydrotechnical characteristics of pond construction mainly for aquaculture
RT: Dams
Grouting
Hydraulic engineering
Ponds

Pond culture

UF: Fish pond culture
Static water culture
BT: Aquaculture techniques
RT: Agropisciculture
Crab culture
Crayfish culture
Crustacean culture
Extensive culture
Fish culture
Fish ponds
Frog culture
Polyculture
Prawn culture
Shrimp culture
Thermal aquaculture
Valliculture

Pond weeds

USE: **Freshwater weeds**

Ponderal index

USE: **Condition factor**

Ponds

UF: Pools
BT: Inland waters
NT: Cooling ponds
Fish ponds
Sewage ponds
Temporary ponds
RT: Dams
Lentic environment
Limnology
Pond construction
Water reservoirs
Water resources

Pontoons

BT: Floating structures

RT: Barges
Bridges

Pools

USE: **Ponds**

Popeye

USE: **Exophthalmia**

Population abundance (in number)

USE: **Population number**

Population abundance (in weight)

USE: **Biomass**

Population characteristics

UF: Population estimates
Population parameters
NT: Biomass
Population density
Population number
Population structure
RT: Natural populations
Population dynamics
Population factors
Population functions
Stock assessment

Population control

SN: Inhibitive action on populations by biological (introduction, exclusion or removal of organisms), chemical or physical means
BT: Control
NT: Culling
RT: Biotic pressure
Natural populations

Population density

UF: Density (population)
Density dependent factor
Stock density
BT: Population characteristics
RT: Biomass
Biotic pressure
Density dependence
Population number
Quantitative distribution
Resource availability
Stocking density

Population dynamics

SN: Studies of changes that take place during the life span of a population
UF: Population studies
RT: Growth curves
Natural populations
Population characteristics
Population factors
Population functions
Population structure
Virtual population analysis

Population estimates

USE: **Population characteristics**

Population factors

- NT: Condition factor
 - Fish conversion factors
 - Gonadosomatic index
 - Length-weight relationships
 - Plankton equivalents
- RT: Natural populations
 - Population characteristics
 - Population dynamics
 - Population functions
 - Population structure

Population functions

- SN: Including dynamic parameters (rates)
- NT: Growth
 - Mortality
 - Recruitment
- RT: Density dependence
 - Natural populations
 - Population characteristics
 - Population dynamics
 - Population factors
 - Population structure

Population genetics

- SN: Relative frequency of hereditary characters and population or populations of a given species
- BT: Genetics
- RT: Biological speciation
 - Biopolymorphism
 - Genetic distance
 - Genetic drift
 - Isolating mechanisms
 - Natural populations
 - Stock identification
 - Subpopulations
 - Sympatric populations
 - Unit stocks

Population number

- UF: Population abundance (in number)
 - Population size (in number)
 - Standing crop (in number)
 - Standing stock (in number)
- BT: Population characteristics
- RT: Abundance
 - Biomass
 - Capture-recapture studies
 - Culling
 - Population density
 - Quantitative distribution
 - Resource availability
 - Stock assessment
 - Yield

Population parameters

USE: **Population characteristics**

Population pressure

USE: **Biotic pressure**

Population size (in number)

USE: **Population number**

Population size (in weight)

USE: **Biomass**

Population structure

- SN: Composition by size, sex and age groups of a breeding population (exploited or unexploited)
- BT: Population characteristics
- NT: Age composition
 - Length frequency
 - Sex ratio
 - Size-at-age
 - Size-at-first-maturity
 - Size distribution
- RT: Natural populations
 - Population dynamics
 - Population factors
 - Population functions
 - Recruitment
 - Stock assessment
 - Subpopulations

Population studies

USE: **Population dynamics**

Populations (animal)

USE: **Animal populations**

Populations (natural)

USE: **Natural populations**

Populations (plants)

USE: **Plant populations**

Porcellanite

BT: Siliceous rocks

Pore pressure

- UF: Pore water pressure
- BT: Pressure
- RT: Fluidized sediment flow
 - Hydrostatic pressure
 - Pore water
 - Sediment properties
 - Shear strength
 - Water content
 - Wave-induced loading

Pore water

- SN: Before 1983 search also INTERSTITIAL WATER
- UF: Interstitial water
 - Pore water content
- BT: Water
- RT: Dewatering
 - Fluidized sediment flow
 - Hydrothermal solutions
 - Interstitial environment
 - Pore pressure
 - Pore water samplers
 - Water content

Pore water content

USE: **Pore water**

Pore water pressure

USE: **Pore pressure**

Pore water samplers

- BT: Sediment samplers
- RT: Pore water
 - Water samplers

Porosity

- BT: Physical properties
- RT: Capillarity
 - Compaction
 - Compressibility
 - Electrical resistivity
 - Grain size
 - Percolation
 - Permeability
 - Texture
 - Void ratio
 - Voids
 - Water content
 - Wet bulk density

Porphyryns

- BT: Glycosides
- RT: Chlorophylls
 - Pigments

Port installations

- UF: Docks
 - Harbour installations
 - Harbour structures
 - Jetties
 - Quays
- BT: Coastal structures
- RT: Drydocks
 - Gas terminals
 - Harbours
 - Port operations

Port operations

- RT: Berthing
 - Cargo handling
 - Dredging
 - Handling
 - Health and safety
 - Lifting
 - Marine transportation
 - Pollution sources
 - Port installations
 - Shipping

Ports

USE: **Harbours**

Position fixing

- UF: Fixing position
 - Position fixing systems
- NT: Inertial navigation
 - Radar navigation
 - Radio navigation
 - Satellite navigation
 - Sofar
- RT: Geographical coordinates
 - Locating
 - Navigation
 - Navigational aids
 - Positioning systems

Position fixing systems

USE: **Position fixing**

Positioning

USE: **Positioning systems**

Positioning systems

SN: Systems for keeping ships, mobile platforms etc. on station relative to a point on the seabed

UF: Positioning

NT: Dynamic positioning

Global positioning systems

RT: Acoustic beacons

Berthing

Position fixing

Ship mooring systems

Steering systems

Post harvest losses

SN: The degradation in both quantity and quality of a food production from harvest to consumption. Quality losses include those that affect the nutrient/caloric composition, the acceptability, and the edibility of a given product.

NT: Fish spoilage

RT: By catch

Fish handling

Ice

Infestation

Processing fishery products

Storage conditions

Temperature effects

Transportation

Post larvae

USE: **Juveniles**

Pot fishing

BT: Catching methods

RT: Cephalopod fisheries

Pots

Potable water

USE: **Drinking water**

Potadromous migrations

BT: Migrations

RT: Anadromous migrations

Catadromous migrations

Freshwater fish

Potash deposits

RT: Subsurface deposits

Potassium

BT: Alkali metals

RT: Potassium compounds

Potassium isotopes

Potassium-argon dating

BT: Radiometric dating

RT: Argon isotopes

Potassium isotopes

Potassium compounds

BT: Alkali metal compounds

RT: Potassium

Potassium isotopes

BT: Isotopes

RT: Potassium

Potassium-argon dating

Potential density

SN: Use for potential density of seawater (sigma-O)

BT: Water density

RT: Adiabatic processes

In situ density

Potential temperature

Salinity

Sigma-T

Vertical stability

Potential energy

UF: Available potential energy

BT: Energy

NT: Dynamic height

RT: Froude number

Green energy

Kinetic energy

Potential flow

UF: Irrotational flow

BT: Fluid flow

RT: Vorticity

Potential resources

UF: Reserves

BT: Resources

RT: Living resources

Potential yield

Resource development

Unconventional resources

Potential temperature

BT: Temperature

RT: Adiabatic processes

Air temperature

Bottom temperature

Oceanic trenches

Potential density

Vertical stability

Water temperature

Potential vorticity

BT: Vorticity

RT: Baroclinic instability

Barotropic instability

Potential yield

UF: Maximum sustainable yield

Sustainable yield

BT: Yield

RT: Potential resources

Unconventional resources

Potentialities

USE: **Resources**

Potentiometric titration

USE: **Titration**

Pots

UF: Lobster pots

BT: Fishing gear

RT: Pot fishing

Trap nets

Pound nets

USE: **Trap nets**

Poverty alleviation

SN: Programs, actions initiatives aimed at improving the quality of life for people living in poverty

BT: Policies

RT: Developed countries

Developing countries

Development projects

Economic benefits

Economics

Socioeconomic aspects

Powdered products

BT: Processed fishery products

NT: Fish meal

RT: Byproducts

Power cables

BT: Electric cables

Power consumption

RT: Electric power sources

Electricity

Power from the sea

BT: Energy resources

NT: Electromagnetic power

Salinity power

Thermal power

Tidal power

Wave power

RT: Current power

Geothermal power

Green energy

Non-living resources

Renewable resources

Wind farms

Wind power

Power plant entrainment

USE: **Entrainment**

Power plant impingement

USE: **Impingement**

Power plants

UF: Electric power plants

Power stations

NT: Fossil fueled power plants

Hydroelectric power plants

Nuclear power plants

OTEC plants

RT: Cooling ponds

Cooling water

Decommissioning
Electric power sources
Turbines
Waste heat

Power spectra
USE: **Energy spectra**

Power stations
USE: **Power plants**

Power supplies
USE: **Electric power sources**

Power systems
USE: **Electric power sources**

Practical salinity scale
SN: World standard for salinity data
BT: Salinity scales
Standards

Prairie potholes
USE: **Marshes**

Prandtl number
RT: Dimensionless numbers
Forced convection
Heat transfer
Momentum transfer
Reynolds number

Prawn culture
SN: Before 1982 search
CRUSTACEAN CULTURE.
Restricted to rearing of freshwater prawns
BT: Crustacean culture
RT: Freshwater aquaculture
Polyculture
Pond culture

Prawn fisheries
USE: **Shrimp fisheries**

Prawn wastes
USE: **Wastes**

Prebiotic food
USE: **Prebiotics**

Prebiotics
SN: Prebiotics are plant fibres that beneficially nourish the good bacteria already in the large bowel or colon. While probiotics introduce good bacteria into the gut, prebiotics act as a fertilizer for the good bacteria that's already there
UF: Prebiotic food
BT: Carbohydrates
RT: Digestive system
Microorganisms

Precambrian
SN: Before 1982 search
PRECAMBRIAN ERA
UF: Archean
Proterozoic
BT: Geological time

Precautionary approach
USE: **Precautionary principle**

Precautionary principle
SN: A set of agreed cost-effective measures and actions, including future courses of action, which ensures prudent foresight, reduces or avoids risk to the resource, the environment, and the people, to the extent possible, taking explicitly into account existing uncertainties and the potential consequences of being wrong.
UF: Precautionary approach
BT: Risk management
RT: Environment management
Resource management
Risks
Scientific advice

Precipitation (atmospheric)
USE: **Atmospheric precipitations**

Precipitation (chemistry)
USE: **Chemical precipitation**

Precipitation (meteorology)
USE: **Atmospheric precipitations**

Precision depth recorders
USE: **Depth recorders**

Precision echosounders
USE: **Echosounders**

Precision gyroscopes
USE: **Gyroscopes**

Precision pressure recorders
USE: **Pressure sensors**

Predation
SN: Including predator/prey relationship
UF: Prey
BT: Interspecific relationships
NT: Prey selection
RT: Associated species
Feeding behaviour
Mortality causes
Natural mortality
Predator control
Predator prey interactions
Predators

Predator control
BT: Control
RT: Biological control

Predation
Predators
Prey selection

Predator prey interactions
RT: Predation
Predators

Predators
BT: Heterotrophic organisms
RT: Carnivores
Competitors
Piscivores
Predation
Predator control
Predator prey interactions
Prey selection
Protective behaviour
Secondary production

Predicting
USE: **Prediction**

Prediction
UF: Forecasting
Forecasts
Predicting
Predictions
NT: Climate prediction
Current prediction
Earthquake prediction
Flood forecasting
Ice forecasting
Storm surge prediction
Tidal prediction
Tsunami prediction
Wave predicting
Weather forecasting
RT: Approximation
Critical path method
Long-term changes
Short-term changes
Simulation
Statistical analysis
Yield predictions

Predictions
USE: **Prediction**

Preferred temperature
USE: **Temperature preferences**

Pregnancy
UF: Gestation
RT: Parturition
Placenta
Sexual reproduction
Viviparity

Preservation (fishery products)
USE: **Processing fishery products**

Preservation (organisms)
USE: **Fixation**

Preservatives

BT: Agents
Biocides
RT: Anticoagulants
Fixation

Pressure

BT: Physical properties
NT: Atmospheric pressure
Blood pressure
Hydrostatic pressure
Osmotic pressure
Pore pressure
Sound pressure
Vapour pressure
RT: Compression
Loads (forces)
Manometers
Pressure measurement
Weight

Pressure (atmospheric)
USE: **Atmospheric pressure**

Pressure (osmotic)
USE: **Osmotic pressure**

Pressure (populations)
USE: **Biotic pressure**

Pressure (water)
USE: **Hydrostatic pressure**

Pressure chambers
USE: **Decompression chambers**

Pressure effects

SN: Hydrostatic influence upon
behaviour of aquatic organisms
UF: Pressure tolerance
BT: Environmental effects
NT: High pressure effects
RT: Diving physiology
Hydrostatic pressure
Mechanoreceptors

Pressure field

BT: Fields
RT: Atmospheric pressure
Hydrostatic pressure
Isobaric surfaces
Pressure gradients

Pressure gauges

BT: Measuring devices
Pressure sensors
RT: Manometers
Pressure measurement

Pressure gradients

RT: Hydrostatics
Pressure field

Pressure measurement

BT: Measurement
RT: Pressure
Pressure gauges

Pressure sensors

UF: Precision pressure recorders
Pressure transducers
BT: Sensors
NT: Pressure gauges
RT: Tide gauges
Transducers
Wave measuring equipment

Pressure test facilities
USE: **Pressure vessels**

Pressure tolerance
USE: **Pressure effects**

Pressure transducers
USE: **Pressure sensors**

Pressure vessels

UF: Pressure test facilities
RT: High pressure effects

Pressure waves
USE: **Elastic waves**

Prestressed concrete

BT: Concrete

Prey
USE: **Predation**

Prey selection

BT: Predation
RT: Competition
Predator control
Predators

Prices
USE: **Costs**

Pricing

UF: Fish prices
Market prices
RT: Commercial legislation
Cost analysis
Costs
Financing
Globalization
Market research
Marketing
Trade

Primary fishery products
USE: **Fishery products**

Primary production

BT: Biological production
RT: Algal blooms
Biogeochemical cycle
Compensation depth
Eutrophication
Light penetration
Photosynthesis
Phytobenthos
Phytoplankton
Secondary production

Primary sedimentary structures
USE: **Sedimentary structures**

Primary waves
USE: **P-waves**

Primers

BT: Coating materials
RT: Paints

Private sector

SN: Part of a country's economic
system that is run by individuals
and companies, rather than the
government
RT: Commerce
Economic models
Investments
Marketing

Probability theory

RT: Bayesian analysis
Game theory
Mathematical models
Operations research
Random processes
Statistical analysis
Statistical models
Statistical sampling
Stochastic processes
Time series
Uncertainty

Probes (instruments)
USE: **Sensors**

Probes (sensors)
USE: **Sensors**

Probiotics

SN: Live microbial feed
supplements which improve the
host's intestinal microbial
balance
BT: Microorganisms
RT: Animal nutrition
Aquaculture
Digestive system
Disease control
Feed composition
Feeding

Procedures

RT: Planning
Tests

Proceedings
USE: **Conferences**

Process plants

RT: Mineral processing
Oil and gas industry
Oil refineries
OTEC plants

Processed fishery products

SN: Use of a more specific term is recommended. Before 1982 search FISHERY PRODUCTS

UF: Fish sausage

BT: Fishery products

NT: Canned products

Chilled products

Cured products

Dried products

Fermented products

Fish fillets

Fish glue

Fish leather

Fish oils

Fish silage

Frozen products

Krill products

Minced products

Powdered products

Roes

Seaweed products

Stickwater

RT: Byproducts

Fish skin

Packing fishery products

Processing fishery products

Seafood

Processing fishery products

SN: Methods and techniques of processing commercial species, mainly fish and shellfish

UF: Conservation (fishery products)

Preservation (fishery products)

NT: Animal oil extraction

Canning

Curing

Drying

Fish meal processing

Seaweed processing

RT: Codex standards

Fish handling

Fish utilization

Fishery industry

Food technology

Food traceability

Post harvest losses

Processed fishery products

Shrimp spoilage

Product development

UF: Development (products)

New product development

Product improvement

RT: Marketing

New products

Production cost

Product improvement

USE: **Product development**

Product labelling

SN: Displaying of information about a product on its container, packaging, or the product itself

UF: Labelling (products)

RT: Fishery products

Food traceability

Health and safety

Quality control

Trade

Production (biological)

USE: **Biological production**

Production (industrial)

USE: **Industrial production**

Production (oil and gas)

USE: **Oil and gas production**

Production cost

UF: GER

Gross energy requirement

BT: Costs

RT: Feasibility

Industrial production

Product development

Production management

Production management

UF: Market management

BT: Management

RT: Incentives

Industrial production

Production cost

Quality control

Subsidies

Production platforms

BT: Work platforms

RT: Drilling

Drilling equipment

Drilling platforms

Drilling rigs

Drilling vessels

Oil and gas production

Production rate

USE: **Biological production**

Products

UF: Goods

NT: Aquaculture products

Byproducts

Fishery products

Industrial products

New products

RT: Raw materials

Professionals

USE: **Experts**

Profilers

UF: Continuous profilers

Shear probes

BT: Instruments

NT: Bathythermographs

CTD profilers

Dropsonde

Free-fall profilers

STD profilers

Velocity profilers

RT: Oceanographic equipment

Profiles

Profiles

NT: Horizontal profiles

Vertical profiles

RT: Contours

Gradients

Graphs

Profilers

Profiling

Profiling

SN: Use of a more specific term is recommended

NT: Seismic reflection profiling

Seismic refraction profiling

Sub-bottom profiling

Vertical profiling

RT: Profiles

Profiling current meters

USE: **Velocity profilers**

Profit

USE: **Profits**

Profits

SN: Financial benefit that is realized when the amount of revenue gained from a business activity exceeds the expenses, costs and taxes

UF: Profit

RT: Economic analysis

Economic benefits

Return on investment

Progeny

SN: New organisms produced by sexual reproduction

BT: Offspring

RT: Children

Progradation

UF: Coast accretion

RT: Beach accretion

Coastal morphology

Coasts

Deltas

Emergent shorelines

Eustatic changes

Regressions

Retrogradation

Salt marshes

Uplift

Programme evaluation

USE: **PERT**

Programmes

NT: Cruise programmes

Research programmes

RT: Planning

ASFA THESAURUS

Programming
USE: **Planning**

Progress reports
BT: Report literature
RT: Annual reports

Progressive waves
BT: Oscillatory waves

Project evaluation
USE: **PERT**

Proliferation
SN: The reproduction or multiplication of similar forms, especially of cells and morbid cysts
RT: Cell culture
Cells
Growth
Tumours

Proline
BT: Amino acids
RT: Pyrrolidine

Promontories
USE: **Headlands**

Promoters
SN: A region of DNA that initiates the transcription of a particular gene
UF: Promoters (genetics)
BT: Nucleic acids
RT: DNA
Genes

Promoters (genetics)
USE: **Promoters**

Promoters (growth)
USE: **Growth regulators**

Propagation
USE: **Reproduction**

Propagation (water waves)
USE: **Wave propagation**

Propane
BT: Acyclic hydrocarbons

Propellers
RT: Cavitation
Propulsion systems
Thrusters

Properties
SN: Use of a more specific term is recommended
NT: Biological properties
Chemical properties
Conservative properties
Ice properties
Non-conservative properties

Organoleptic properties
Physical properties
Physicochemical properties
Sediment properties
Surface properties
Water properties
RT: Parameters

Property rights
UF: Ownership
Tenure rights
BT: Rights
RT: Individual transferable quotas
Rental
Riparian rights
Water rights

Prophylaxis
UF: Disease preventive treatment
RT: Disease control
Diseases
Parasitism
Therapy

Proposed research
USE: **Research proposals**

Propulsion engines
USE: **Propulsion systems**

Propulsion systems
SN: Before 1982 search also PROPULSION ENGINES. For propulsion of aquatic organisms use LOCOMOTION
UF: Marine propulsion
Propulsion engines
NT: Sails
Thrusters
RT: Diesel engines
Manoeuvrability
Motors
Nuclear propulsion
Propellers
Ship technology
Shipboard equipment
Steering systems
Turbines
Underwater propulsion
Vehicles

Protactinium
BT: Actinides
RT: Protactinium isotopes

Protactinium isotopes
BT: Isotopes
RT: Protactinium

Protandry
RT: Hermaphroditism
Self fertilization

Protected areas
SN: An area set aside for the preservation and protection of highly important natural and

cultural features and for the regulation of the scientific, educational and recreational use.
Before 2008 search MARINE PARKS
UF: Nature reserves
Parks
NT: Freshwater parks
Marine parks

Protected resources
BT: Resources
RT: Freshwater parks
Living resources
Marine parks
Natural resources
Rare resources
Rare species
Resource conservation

Protection
NT: Environmental protection
Fishery protection
Scour protection
Seabed protection
RT: Accident prevention

Protection (coastal)
USE: **Shore protection**

Protection (human)
USE: **Health and safety**

Protection (security)
USE: **Surveillance and enforcement**

Protection vessels
UF: Fishery protection vessels
RT: Defence craft
Fishery protection
Security
Surface craft
Surveillance and enforcement

Protective behaviour
SN: Avoiding or hiding from predators
BT: Behaviour
RT: Allelochemicals
Autotomy
Burrowing organisms
Camouflage
Chemical defence
Chromatic behaviour
Defence mechanisms
Mimicry
Predators
Schooling behaviour

Protective clothing
RT: Diving equipment
Safety devices

Protective coatings
USE: **Coating materials**

Protein deficiency

BT: Dietary deficiencies
RT: Protein synthesis
Proteins

Protein denaturation

UF: Denaturation (proteins)
BT: Biochemical phenomena
RT: Nucleic acids
Protein synthesis
Proteins

Protein fingerprinting

UF: Peptide mass fingerprinting
PMF
BT: Fingerprinting
RT: Analytical techniques
Electrophoresis
Proteins

Protein metabolism

USE: **Protein synthesis**

Protein sequence analysis

USE: **Protein sequencing**

Protein sequencing

SN: A process that includes the determination of the Amino acid sequence of a protein (or peptide, oligopeptide or peptide fragment) and the information analysis of the sequence
UF: Protein sequence analysis
BT: Sequencing
RT: Biochemistry
DNA
Genetics
Nucleotide sequence
Proteins
RNA

Protein synthesis

UF: Peptide synthesis
Protein metabolism
BT: Biochemical phenomena
RT: Amino acids
Protein deficiency
Protein denaturation
Proteins
Ribosomes
RNA replication

Proteinase

USE: **Enzymes**

Proteins

BT: Organic compounds
NT: Actin
Albumins
Collagen
Globulins
Glycoproteins
Histones
Lipoproteins
Luciferin
Metallothioneins

Mucins
Myoglobins
Myosin
Peptides
Peptones

Single cell proteins

RT: Amino acids
Cytochromes
Enzymes
Haemocyanins
Insulin
Nitrogen compounds
Nucleic acids
Nutritive value
Organic constituents
Protein deficiency
Protein denaturation
Protein fingerprinting
Protein sequencing
Protein synthesis
Ribosomes
RNA sequencing
Sequencing
Serological studies
Serological taxonomy
Yolk

Protozoic

USE: **Precambrian**

Protists

SN: The primitive organisms from which animals and plants arose
UF: Protobionta
RT: Evolution

Protobionta

USE: **Protists**

Protocols

SN: A system of rules that explain the correct conduct and procedures to be followed in formal situations. A plan for a scientific experiment or for medical treatment
RT: Health and safety
International agreements
Research
Standards

Protogyny

RT: Hermaphroditism

Protoplasm

USE: **Cytoplasm**

Protoplasts

RT: Cell membranes
Cells
Cytoplasm
Nuclei

Prototypes

RT: Models
Specifications

Protozoal diseases

USE: **Protozoan diseases**

Protozoal pesticides

USE: **Antiprotozoal agents**

Protozoan diseases

UF: Protozoal diseases
BT: Infectious diseases
RT: Antiprotozoal agents
Biological control
Biological vectors
Fish diseases
Immunization
Malaria
Parasite control
Parasites
Parasitic diseases
Parasitism
Parasitology

Provenance

UF: Sediment source region
RT: Palaeocurrents
Sedimentation
Sediments

Proximal composition

USE: **Chemical composition**

Psammon

SN: The biota existing immediately below the upper layer of sand on beaches, existing in films of water in the interstices
BT: Aquatic communities
RT: Epipsammon
Sand

Pteropod ooze

BT: Calcareous ooze
RT: Aragonite
Fossil pteropods

Public-private partnerships

USE: **Joint ventures**

Public access

BT: Access
RT: Recreation

Public health

UF: Health
Human health
BT: Health and safety
RT: Biosecurity
Children
Epidemics
Food-chain approach
Food contamination
Food safety
Food traceability
Human diseases
Human trafficking
Hygiene
Medicine

- Microbial contamination
- Quarantine regulations
- Radiation protection
- Water pollution treatment
- Water purification
- Public outreach
- USE: **Extension activities**
- Public sector**
 - SN: The part of a country's economy that consists of state-owned institutions, including nationalized industries and services provided by local authorities
 - RT: Governments
 - Policies
 - Political aspects
- Publications
- USE: **Documents**
- Publicity material**
 - UF: Advertisements
 - RT: Documents
 - Lectures
- Pulp wastes**
 - BT: Wastes
 - NT: White water effluents
 - RT: Bleaching wastes
- Pulsed lasers
- USE: **Lasers**
- Pumice**
 - BT: Volcanic rocks
- Pump fishing**
 - BT: Catching methods
 - RT: Electric fishing
 - Light fishing
 - Pumping
 - Pumps
- Pump stations**
 - UF: Booster stations
 - Pipeline pumping stations
 - RT: Pipelines
 - Pumps
- Pumping**
 - RT: Pump fishing
 - Pumps
 - Slurries
- Pumps**
 - UF: Air pumps
 - BT: Machinery
 - NT: Fish pumps
 - Water pumps
 - RT: Pump fishing
 - Pump stations
 - Pumping
- Pumps (water)
- USE: **Water pumps**
- Pupae**
 - BT: Insect larvae
- Pups**
 - BT: Juveniles
- Purchasers
- USE: **Consumers**
- Purchasing**
 - NT: Buyback
 - RT: Acquisition
 - Consumers
 - Costs
- Purification (water)
- USE: **Water purification**
- Purines**
 - BT: Organic compounds
- Purse seiners
- USE: **Seiners**
- Purse seines**
 - BT: Surrounding nets
 - RT: Purse seining
 - Seiners
- Purse seining**
 - BT: Seining
 - RT: Bait fishing
 - Purse seines
- Pycnocline**
 - UF: Density layer
 - BT: Discontinuity layers
 - RT: Density fronts
 - Density gradients
 - Density profiles
 - Density stratification
 - Isopycnics
 - Mixed layer depth
 - Thermocline
 - Water density
 - Water masses
- Pyloric caeca**
 - BT: Alimentary organs
 - RT: Digestive glands
 - Intestines
 - Stomach
- Pyranometers
- USE: **Actinometers**
- Pyrgometers
- USE: **Actinometers**
- Pyridines**
 - BT: Azines
- Pyrimidines**
 - BT: Azines
- Pyrite**
 - BT: Sulphide minerals
- Pyroclastics
- USE: **Volcanic rocks**
- Pyrolusite**
 - BT: Oxide minerals
 - RT: Manganese minerals
- Pyrolysis**
 - BT: Degradation
 - RT: Biogeochemistry
 - Dissociation
 - Temperature effects
- Pyroxenes**
 - BT: Silicate minerals
 - NT: Augite
 - RT: Alkali basalts
 - Tholeiite
- Pyrrhotite**
 - BT: Sulphide minerals
- Pyrrolidine**
 - BT: Amines
 - RT: Proline
- Quagmires
- USE: **Mires**
- Quahog fisheries
- USE: **Clam fisheries**
- Quality**
 - UF: Grades
 - RT: Acceptability
 - Best practices
 - Guidelines
 - Quality assurance
 - Quality control
- Quality analysis
- USE: **Quality assurance**
- Quality assurance**
 - UF: Quality analysis
 - Reliability assurance
 - RT: Quality
 - Quality control
 - Storage life
 - Tests
 - Visual inspection
- Quality control**
 - SN: Methods and procedures for testing and monitoring quality at acceptable levels
 - UF: Fish freshness
 - BT: Control
 - NT: Food traceability
 - HACCP
 - Water quality control
 - RT: Acceptance tests
 - Bench marks
 - Certification

- Commercial legislation
 - Control charts
 - Fish spoilage
 - Food safety
 - Inspection
 - Performance assessment
 - Product labelling
 - Production management
 - Quality
 - Quality assurance
 - RFID tags
 - Shrimp spoilage
 - Standards
 - Storage effects
 - Testing
- Quanta meters**
BT: Light measuring instruments
RT: Irradiance meters
Photometry
- Quantitative distribution**
BT: Distribution
RT: Abundance
Biological charts
Biomass
Geographical distribution
Population density
Population number
Resource availability
Spatial variations
Temporal distribution
- Quarantine regulations**
SN: Regulations for protecting public health
BT: Legislation
RT: Epidemics
Public health
Safety regulations
- Quarries**
SN: Before 2016 search also PITS
RT: Aggregates
Granite
Limestone
Pits
Rocks
- Quartz**
BT: Silicate minerals
RT: Tholeiite
- Quartzite**
BT: Silicate minerals
- Quasi-geostrophic motion**
BT: Geostrophic flow
- Quasi-geostrophic waves
USE: **Planetary waves**
- Quaternary**
SN: Before 1982 search also QUATERNARY PERIOD
UF: Quaternary period
BT: Cenozoic
- NT: Holocene
Pleistocene
RT: Sea level
- Quaternary period
USE: **Quaternary**
- Quays
USE: **Port installations**
- Quinolines**
BT: Azines
- Quota regulations**
UF: Catch limit
Catch quota
BT: Fishery regulations
RT: Blue whale unit
Catch statistics
Individual transferable quotas
Permits
Total allowable catch
- Race
USE: **Subpopulations**
- Raceway culture**
UF: River culture
Running water culture
BT: Aquaculture techniques
RT: Crustacean culture
Fish culture
Freshwater aquaculture
Intensive culture
Monoculture
- Racial studies**
RT: Genetics
Stock identification
Subpopulations
- Rack culture
USE: **Off-bottom culture**
- Radar**
UF: Radar equipment
Radar systems
BT: Remote sensing equipment
NT: Microwave radar
RT: Lidar
Navigational aids
Radar altimetry
Radar clutter
Radar imagery
Radar navigation
Radio oceanography
Sonar
- Radar altimeters**
BT: Altimeters
RT: Wave measuring equipment
- Radar altimetry**
BT: Altimetry
RT: Radar
Radar imagery
Radio oceanography
- Satellite altimetry
Wave measurement
- Radar clutter**
UF: Noise (radar echoes)
NT: Surface clutter
RT: Radar
Radar imagery
- Radar equipment
USE: **Radar**
- Radar imagery**
UF: Radar methods (sensing)
BT: Microwave imagery
RT: Electromagnetic radiation
Radar
Radar altimetry
Radar clutter
Radio oceanography
Scatterometers
- Radar methods (sensing)
USE: **Radar imagery**
- Radar navigation**
BT: Navigation
Position fixing
RT: Collision avoidance
Radar
Radio navigation
- Radar systems
USE: **Radar**
- Radiance**
SN: Flux of radiant energy in water
RT: Emissivity
Irradiance
Light
Light fields
Optical properties
Radiance meters
Radiative transfer
Solar radiation
- Radiance distribution
USE: **Light fields**
- Radiance meters**
BT: Light measuring instruments
RT: Radiance
- Radiation
USE: **Radiations**
- Radiation balance**
SN: Net flux of solar and terrestrial radiation at water surface
UF: Net radiation
Radiation budget
RT: Heat budget
Heat exchange
Solar radiation
Terrestrial radiation

Radiation budget
USE: **Radiation balance**

Radiation fog
USE: **Fog**

Radiation hazards
UF: Radioactive exposure
BT: Hazards
RT: Radiation leaks
Radiation protection
Radioactive contamination
Radioactive wastes

Radiation leaks
BT: Accidents
RT: Radiation hazards
Radioactive waste disposal

Radiation measuring equipment
USE: **Radiometers**

Radiation protection
UF: Radiological protection
BT: Health and safety
RT: Public health
Radiation hazards
Radioactive contamination
Radioactive waste disposal
Safety regulations

Radiational tides
BT: Tides
RT: Meteorological tides
Solar radiation
Tidal constituents

Radiations
SN: Use of a more specific term is recommended
UF: Radiation
NT: Electromagnetic radiation
Ionizing radiation
Thermal radiation

Radiative transfer
UF: Radiative transfer equation
BT: Energy transfer
RT: Electromagnetic radiation
Heat transfer
Irradiance
Light fields
Polarization
Radiance
Solar radiation
Terrestrial radiation

Radiative transfer equation
USE: **Radiative transfer**

Radio
BT: Communication systems
RT: Radio aids
Radio buoys
Television systems

Radio aids
SN: Equipment used for position fixing in navigation
RT: Radio
Radio navigation

Radio buoys
BT: Buoys
RT: Communication systems
Fishing buoys
Radio

Radio frequency identification tags
USE: **RFID tags**

Radio navigation
BT: Navigation
Position fixing
NT: Decca
Loran
Omega
RT: Radar navigation
Radio aids

Radio oceanography
BT: Oceanography
RT: Radar
Radar altimetry
Radar imagery
Remote sensing
Satellite sensing

Radio telemetry
BT: Telemetry

Radio tracking
USE: **Tracking**

Radio waves
BT: Electromagnetic radiation

Radioactive aerosols
UF: Radioactive particulates
BT: Aerosols
RT: Fallout

Radioactive contamination
UF: Contamination (radioactive)
Radioactive pollution
BT: Pollution
RT: Body burden
Dust
Fallout
Nuclear explosions
Nuclear power plants
Radiation hazards
Radiation protection
Radioactive pollutants
Radioactive waste disposal
Radioactive wastes
Radioactivity
Radiochemistry
Radioecology
Radioisotopes
Radionuclide kinetics
Toxicity
Water pollution

Radioactive dating
USE: **Radiometric dating**

Radioactive exposure
USE: **Radiation hazards**

Radioactive fallout
USE: **Fallout**

Radioactive isotopes
USE: **Radioisotopes**

Radioactive labelling
UF: Isotopic labelling
Labelling (radioactive)
Radioactive tagging
RT: Radioactive tracers
Radioactivity

Radioactive materials
BT: Materials
NT: Fission products
RT: Radioactive wastes
Radioisotopes

Radioactive particulates
USE: **Radioactive aerosols**

Radioactive pollutants
BT: Pollutants
RT: Carcinogens
Fallout
Radioactive contamination
Radioactive wastes
Radioactivity
Radioisotopes

Radioactive pollution
USE: **Radioactive contamination**

Radioactive tagging
USE: **Radioactive labelling**

Radioactive tracers
BT: Tracers
RT: Autoradiography
Carbon 13
Carbon 14
Radioactive labelling
Radioactivity
Radioecology
Radiography
Radioisotopes

Radioactive waste disposal
BT: Waste disposal
RT: Radiation leaks
Radiation protection
Radioactive contamination
Radioactive wastes

Radioactive wastes
SN: Radioactive wastes in aquatic environment
UF: Nuclear wastes
BT: Hazardous materials

Wastes
RT: Fallout
Nuclear power plants
Nuclear radiations
Radiation hazards
Radioactive contamination
Radioactive materials
Radioactive pollutants
Radioactive waste disposal
Radioactivity
Radioecology
Thermal pollution

Radioactivity

RT: Actinium
Fallout
Gamma spectroscopy
Geiger counters
Ionizing radiation
Nuclear energy
Nuclear physics
Nuclear radiations
Plutonium
Radioactive contamination
Radioactive labelling
Radioactive pollutants
Radioactive tracers
Radioactive wastes
Radiochemistry
Radioecology
Radiography
Radioisotopes
Radiometric dating
Radionuclide kinetics
Radium
Uranium

Radiocarbon dating

BT: Radiometric dating
RT: Carbon 13
Carbon 14

Radiochemistry

BT: Chemistry
RT: Irradiation
Nuclear radiations
Radioactive contamination
Radioactivity
Radioecology
Radioisotopes

Radioecology

SN: Use of a more specific term is recommended
BT: Ecology
RT: Radioactive contamination
Radioactive tracers
Radioactive wastes
Radioactivity
Radiochemistry
Radioisotopes

Radiographic testing
USE: **Nondestructive testing**

Radiography

NT: Autoradiography

Tomography
RT: Fluorescence microscopy
Irradiation
Photography
Radioactive tracers
Radioactivity
X-ray spectroscopy

Radioisotope kinetics
USE: **Radionuclide kinetics**

Radioisotopes

UF: Radioactive isotopes
Radionuclides
BT: Isotopes
NT: Carbon 14
RT: Carbon 13
Europium
Nuclear physics
Radioactive contamination
Radioactive materials
Radioactive pollutants
Radioactive tracers
Radioactivity
Radiochemistry
Radioecology
Radiometric dating
Radionuclide kinetics
Stable isotopes

Radiolarian ooze

SN: Composed of skeletons of planktonic animals
BT: Siliceous ooze
RT: Fossil radiolaria
Radiolarite

Radiolarite

BT: Siliceous rocks
RT: Clastics
Pelagic sediments
Radiolarian ooze

Radiological protection

USE: **Radiation protection**

Radiometers

UF: Radiation measuring equipment
BT: Measuring devices
Remote sensing equipment
NT: Actinometers
Infrared detectors
Microwave radiometers
RT: Electromagnetic radiation
Light measuring instruments
Multispectral scanners
Photometers
Sensors

Radiometers (microwave)
USE: **Microwave imagery**

Radiometric dating

SN: Before 1982 search
RADIOACTIVE DATING
UF: Isotope dating

Radioactive dating
BT: Geochronometry
NT: Oxygen isotope dating
Potassium-argon dating
Radiocarbon dating
Rubidium-strontium dating
Thorium 230-thorium 232 dating
Uranium-helium dating
RT: Absolute age
Geological time
Isotopes
Nuclear radiations
Oxygen isotope ratio
Radioactivity
Radioisotopes
Uranium 234-Uranium 238 ratio

Radionuclide kinetics

SN: For radionuclides in living organisms only
UF: Contamination (internal)
Radioisotope kinetics
Radionuclide metabolism
Radionuclide transfer (in organisms)
Radionuclide turnover (in organisms)
BT: Kinetics
RT: Biological half life
Body burden
Metabolism
Radioactive contamination
Radioactivity
Radioisotopes

Radionuclide metabolism
USE: **Radionuclide kinetics**

Radionuclide transfer (in organisms)
USE: **Radionuclide kinetics**

Radionuclide turnover (in organisms)
USE: **Radionuclide kinetics**

Radionuclides
USE: **Radioisotopes**

Radiosondes

UF: Dropwindsondes
Rawinsondes
RT: Air temperature
Atmospheric pressure
Balloons
Humidity
Meteorological instruments
Wind measuring equipment

Radium

BT: Alkaline earth metals
Heavy metals
RT: Radioactivity
Radium isotopes

Radium isotopes

BT: Isotopes
RT: Radium

Radon

BT: Rare gases
RT: Radon isotopes

Radon isotopes

BT: Isotopes
RT: Radon

Radulae

SN: Before 1982 search MOUTH
PARTS
BT: Mouth parts
RT: Alimentary organs
Teeth

Raft culture

SN: Before 1982 search OFF-
BOTTOM CULTURE
BT: Aquaculture techniques
RT: Cage culture
Mollusc culture
Off-bottom culture

Rafting

BT: Sediment transport
NT: Biological rafting
Ice rafting
RT: Glacial deposits
Ice drift

Rafts

USE: **Boats**

Rafts (instrument carriers)

USE: **Data buoys**

Rafts (life)

USE: **Lifeboats**

Rail bridges

USE: **Bridges**

Rain

UF: Rain water
BT: Atmospheric precipitations
NT: Acid rain
RT: Droughts
Hail
Rain gauges
Rainfall
Rainy season
Snow

Rain drops

USE: **Droplets**

Rain gauges

BT: Meteorological instruments
RT: Rain
Rainfall

Rain water

USE: **Rain**

Rainfall

SN: Amount of both rain and
water equivalent of frozen
precipitation
RT: Climate
Droughts
Hail
Hydrologic cycle
Rain
Rain gauges
Runoff
Snow
Weather

Rainy season

UF: Wet season
BT: Seasons
RT: Dry season
Monsoons
Rain
Tropical environment

Raised beaches

BT: Beaches
RT: Emergent shorelines
Sea level changes
Strandlines
Terraces
Uplift

Rakes

USE: **Grappling gear**

Ramets

SN: Individuals in a group of new
organisms produced by asexual
reproduction
BT: Genets

Ranching

SN: Use of the natural aquatic
environment as free feeding
grounds for culturing organisms
UF: Ocean ranching
RT: Stocking (organisms)
Water rights

Random processes

RT: Probability theory
Statistical analysis
Stochastic processes

Random sampling

USE: **Statistical sampling**

Range action

USE: **Harbour oscillations**

Rare earth elements

USE: **Rare earths**

Rare earths

UF: Rare earth elements
BT: Metals
NT: Actinides
Lanthanides

RT: Gadolinium isotopes

Transition elements

Rare gases

UF: Inert gases
Noble gases
BT: Chemical elements
Gases
NT: Argon
Helium
Krypton
Neon
Radon
Xenon

Rare resources

BT: Resources
RT: Living resources
Natural resources
Overexploitation
Protected resources
Rare species
Resource conservation

Rare species

UF: Endangered organisms
Endangered species
Species rarity
BT: Species
RT: Aquatic animals
Aquatic plants
Habitat loss
Nature conservation
Protected resources
Rare resources
Species extinction
Threatened species
Vulnerable species

Rates and taxes

USE: **Taxes**

Ratios

NT: Bowen ratio
Carbon-nitrogen ratio
Carbon isotope ratio
Conductivity ratio
Mixing ratio
Poisson's ratio
Signal-to-noise ratio
Void ratio
RT: Albedo
Coefficients
Constants
Dimensionless numbers
Rossby number

Raw materials

BT: Materials
RT: Natural resources
Products

Rawinsondes

USE: **Radiosondes**

Ray paths

UF: Seismic ray path

Sound ray paths
RT: Seismic propagation
Seismic waves
Sound waves

Rayleigh waves
BT: Surface seismic waves

Rays fisheries
USE: **Shark fisheries**

Re-entry (deep-sea drilling)
USE: **Hole re-entry**

Reaction kinetics
USE: **Chemical kinetics**

Reactions (chemical)
USE: **Chemical reactions**

Reading lists
USE: **Bibliographies**

Rearing
UF: Artificial rearing
Experimental rearing
Laboratory rearing
RT: Aquaculture
Aquaculture techniques
Artificial feeding
Capture-based aquaculture
Culture tanks
Hatching
Larval development

Recent epoch
USE: **Holocene**

Recent sediments
UF: Holocene sediments
BT: Sediments

Receptor cells
USE: **Receptors**

Receptors
UF: Exteroceptors
Interoceptors
Receptor cells
Sensory receptors
BT: Cells
NT: Target cells
Thermoreceptors
RT: Neurons
Sense organs

Recipes
SN: A set of directions with a list of ingredients for making or preparing food for human consumption
UF: Recipes (cooking)
RT: Human food

Recipes (animal feed)
USE: **Feed composition**

Recipes (cooking)
USE: **Recipes**

Recirculating systems
UF: Closed recirculating systems
Recirculating water systems
Recirculation systems
Water circulating systems
BT: Aquaculture systems
RT: Aquaculture equipment
Biofilters
Culture tanks
Water circulation
Water filtration
Water pumps

Recirculating water systems
USE: **Recirculating systems**

Recirculation systems
USE: **Recirculating systems**

Reclamation
SN: Use of a more specific term is recommended
NT: Lake reclamation
Land reclamation
Water reclamation
RT: Conservation
Depletion

Reclamation (lakes)
USE: **Lake reclamation**

Reclamation (land)
USE: **Land reclamation**

Reclamation (water)
USE: **Water reclamation**

Recombinants
RT: Recombination

Recombination
RT: Recombinants

Recorders
USE: **Recording equipment**

Recording equipment
UF: Recorders
Recording instruments
BT: Equipment
NT: Depth recorders
Sound recorders
Wave recorders
RT: Data buoys
Data loggers
Electronic equipment
Measuring devices
Monitoring systems
Sensors

Recording instruments
USE: **Recording equipment**

Records
NT: Analog records
Digital records
Long-term records
Short-term records
RT: Audio recordings
Logbooks
Magnetic tape recordings
Videotape recordings

Recovery
SN: Recovery of materials and equipment including underwater vehicles
UF: Recovery of equipment
NT: Core recovery
Mooring recovery
RT: Deployment
Gear handling
Launching
Station keeping

Recovery of equipment
USE: **Recovery**

Recovery of wrecks
USE: **Salvaging**

Recreation
UF: Leisure activities
Outdoor recreation
NT: Bathing
Boating
Sport fishing
Surfing
RT: Public access
Recreational waters
River restoration
Tourism
White water river recreation

Recreational fishing
USE: **Sport fishing**

Recreational swimming
USE: **Bathing**

Recreational waters
RT: Beaches
Freshwater parks
Marinas
Marine parks
Recreation
Riparian rights
Water
Water bodies
Water use regulations

Recruitment
SN: Including animal recruitment, length, weight and age at first capture, number of recruits
UF: Recruitment rate
BT: Population functions
RT: Age at recruitment
Population structure
Spawning stock biomass

Yield Yield-per-recruit	Redox processes USE: Redox reactions	Refineries USE: Oil refineries
Recruitment rate USE: Recruitment	Redox reactions UF: Oxidation-reduction reactions Redox processes BT: Chemical reactions RT: Oxidation Oxidoreductases Polarography Redox potential Reduction	Reflectance UF: Reflectivity BT: Optical properties RT: Air-water interface Albedo Glitter Light reflection Ocean colour Reflected global radiation Surface roughness Wave effects
Red blood cells USE: Erythrocytes	Reduction BT: Chemical reactions NT: Sulphate reduction RT: Redox potential Redox reactions	Reflected global radiation BT: Solar radiation RT: Air-water interface Reflectance
Red blood corpuscles USE: Erythrocytes	Reduction division USE: Meiosis	Reflection NT: Light reflection Seismic reflection Sound reflection Wave reflection RT: Absorption (physics) Albedo Reverberation Transmission Wave motion
Red boil disease USE: Boil disease	Reef fish BT: Marine fish RT: Artificial reefs Coral reef conservation Coral reef restoration Coral reefs	Reflection (light) USE: Light reflection
Red clay USE: Pelagic clay	Reef fisheries BT: Marine fisheries RT: Artificial reefs Coral reef conservation Coral reef restoration Coral reefs Percoid fisheries	Reflection (water waves) USE: Wave reflection
Red crab fisheries USE: Squat lobster fisheries	Reef formation RT: Reefs Sedimentation	Reflection loss USE: Transmission loss
Red muscles USE: Muscles	Reefs UF: Rocky reefs NT: Bioherms Coral reefs Oyster reefs RT: Artificial reefs Reef formation Shallow water Shoals	Reflectivity USE: Reflectance
Red pest USE: Vibriosis	Reefs (artificial) USE: Artificial reefs	Refraction NT: Light refraction Seismic refraction Sound refraction Wave refraction RT: Wave motion
Red tides RT: Algal blooms Biological poisons Discoloured water Phytoplankton Poisonous organisms Toxicity	Reefs (coral) USE: Coral reefs	Refraction (light) USE: Light refraction
Redds SN: Spawning area of trout or salmon on the bottom of a lake or stream; usually a clear circular depression in gravel UF: Salmon nests RT: Nests Spawning grounds	Reefs (navigational hazard) USE: Shoals	Refraction (water waves) USE: Wave refraction
Redfish fisheries UF: Rockfish fisheries Scorpionfish fisheries BT: Finfish fisheries	Reference levels BT: Levels NT: Datum levels Level of no motion RT: Data reduction	Refraction loss USE: Transmission loss
Redmouth disease UF: Enteric redmouth Hagermon redmouth RM BT: Fish diseases RT: Bacterial diseases		Refractive index SN: Before 1982 search REFRACTIVITY UF: Refractivity BT: Optical properties RT: Electrical conductivity Light dispersion Light refraction
Redox potential UF: EH Oxidation-reduction potential BT: Chemical properties RT: Chemical reactions Oxidation Oxidoreductases Oxygen depletion Redox reactions Reduction		

Light scattering
Salinity
Salinity measurement
Water temperature

Refractivity
USE: **Refractive index**

Refrigeration
SN: Before 1982 search
FREEZING
RT: Chilled products
Chilling storage
Cold storage
Freezing
Frozen products
Refrigerators
Thawing

Refrigeration storage
USE: **Cold storage**

Refrigerators
RT: Cold storage
Refrigeration

Refuges
SN: Isolated localities, where
organisms are free from natural
or man-induced pressures
UF: Refugia
Wildlife refuges
RT: Freshwater parks
Marine parks
Nature conservation
Sanctuaries

Refugia
USE: **Refuges**

Refuse
USE: **Litter**

Regeneration
SN: Regeneration processes of
tissue, organs and appendices
lost by injuries in natural or
experimental conditions
BT: Biological phenomena
RT: Autotomy
Body organs
Degeneration
Growth
Organ removal

Regional planning
BT: Planning
RT: National planning
Regions

Regional variations
BT: Spatial variations
RT: Annual variations
Migrations
Seasonal variations

Regions
RT: Regional planning

Regression analysis
BT: Statistical analysis
RT: Correlation analysis
Least squares method
Scatter diagrams
Variance analysis

Regressions
UF: Marine regressions
RT: Coasts
Emergent shorelines
Eustatic changes
Glaciation
Progradation
Sea level changes
Transgressions
Uplift

Regular waves
BT: Water waves
RT: Wave period

Regulation compliance
USE: **Regulatory compliance**

Regulations
USE: **Legislation**

Regulatory compliance
SN: Pertaining to a law, rule, or
other order prescribed by
authority, especially to regulate
conduct. Before 2016 search
REGULATION COMPLIANCE
UF: Regulation compliance
RT: Fishery regulations
Law of the sea
Legislation
Policies
Pollution convention
Surveillance and enforcement

Rehabilitation
USE: **Restoration**

Reinforced concrete
BT: Concrete
RT: Steel

Relative abundance
USE: **Abundance**

Relative density
SN: Use for specific gravity of sea
water. Before 1984 search also
SPECIFIC GRAVITY
BT: Water density
RT: Sea water
Specific gravity
Water properties

Relative humidity
BT: Humidity
RT: Specific humidity

Relative vorticity
BT: Vorticity
RT: Absolute vorticity
Vertical shear

Release mechanisms
NT: Acoustic release mechanisms

Reliability
RT: Acceptability
Accuracy
Certification
Evaluation
Failures
Performance assessment
Risks

Reliability assurance
USE: **Quality assurance**

Relict lakes
BT: Lakes
RT: Fossil sea water

Relict organisms
USE: **Relict species**

Relict sediments
BT: Sediments

Relict shorelines
BT: Coasts

Relict species
SN: A species that is the
remainder of a formerly more
widely distributed species
UF: Relict organisms
BT: Species
RT: Ecological distribution
Geographical distribution
Living fossils

Relief forms
USE: **Topographic features**

Remanent magnetism
USE: **Remanent magnetization**

Remanent magnetization
UF: Magnetic remanence
Remanent magnetism
Rock magnetism
BT: Magnetic properties
RT: Core orientation
Geomagnetic field
Palaeomagnetism

Remote control
BT: Control
RT: Acoustic command systems
Automation
Robots
Untethered vehicles

Remote satellite sensing

USE: **Remote sensing**

Remote sensing

SN: Remote sensing of the environment from all locations, i.e. sea surface, space, etc. For sensing from space use

GEOSENSING

UF: Remote satellite sensing

Remote sensing techniques

NT: Geosensing

RT: Data acquisition

Echosounding

Electromagnetic radiation

Geostatistics

Imagery

Infrared detectors

Ocean colour

Radio oceanography

Remote sensing equipment

Spatial planning

Remote sensing (earth)

USE: **Geosensing**

Remote sensing equipment

UF: Image sensors

Remote sensors

BT: Equipment

NT: Radar

Radiometers

Sonar

RT: Electronic equipment

Laser bathymeters

Lidar

Multispectral scanners

Oceanographic equipment

Photographic equipment

Remote sensing

Scatterometers

Sensors

Sodar

Surveying equipment

Remote sensing techniques

USE: **Remote sensing**

Remote sensors

USE: **Remote sensing equipment**

Remotely operated vehicles

USE: **Unmanned vehicles**

Removal

NT: Organ removal

RT: Installation

Salvaging

Renewable resources

BT: Natural resources

RT: Food resources

Freshwater resources

Geothermal power

Green energy

Hydroelectric power

Living resources

Marine resources

Nonrenewable resources

Power from the sea

Solar power

Visual impact

Water resources

Wind farms

Wind power

Renewal

RT: Flushing time

Overturn

Residence time

Rent

USE: **Rental**

Rental

SN: Renting of land, water bodies or water resources for exploitation purposes

UF: Rent

Renting

RT: Leases

Property rights

Water rights

Renting

USE: **Rental**

Repair

USE: **Maintenance and repair**

Repellents

NT: Fish repellents

RT: Insecticides

Pest control

Pesticides

Toxicants

Replacing

USE: **Maintenance and repair**

Replication

SN: Specifically genetical or biochemical replication

BT: Biochemical phenomena

NT: DNA replication

RNA replication

Viral replication

Report literature

SN: Unpublished scientific and technical documents, in most cases describing the results of research and development projects. Use of a more specific term is recommended. Before 1982 search REPORTS

UF: Reports

NT: Annual reports

Data reports

Progress reports

RT: Case studies

Data collections

Documents

Reports

USE: **Report literature**

Reproduction

SN: Before 1982 search

REPRODUCTION (BIOLOGY)

UF: Propagation

Reproduction (biology)

Reproduction rate

NT: Alternate reproduction

Androgenesis

Asexual reproduction

Cell division

Parthenogenesis

Sexual reproduction

Vegetative reproduction

RT: Biogenesis

Reproductive behaviour

Reproductive cycle

Zygotes

Reproduction (biology)

USE: **Reproduction**

Reproduction rate

USE: **Reproduction**

Reproductive behaviour

BT: Behaviour

RT: Breeding

Courtship

Nesting

Parental behaviour

Reproduction

Sexual behaviour

Spawning

Spawning migrations

Reproductive cycle

SN: A period between hatching and the first spawning of a given generation

UF: Breeding cycle

RT: Breeding

Life cycle

Reproduction

Spawning

Reproductive fertilization

USE: **Biological fertilization**

Reproductive isolation

USE: **Sexual isolation**

Reproductive organs (animal)

USE: **Animal reproductive organs**

Reproductive structures (plant)

USE: **Plant reproductive structures**

Reproductive system

USE: **Animal reproductive organs**

Reptile culture

UF: Alligator culture
Crocodile farming
BT: Cultures
NT: Turtle culture
RT: Aquatic reptiles

Reptiles (aquatic)

USE: **Aquatic reptiles**

Rescue

USE: **Search and rescue**

Research

UF: Research and development
Scientific research
NT: Experimental research
RT: Case studies
Online instruction
Protocols
Research institutions
Research programmes
Research proposals
Scientific laws
Theories

Research (experimental)

USE: **Experimental research**

Research and development

USE: **Research**

Research institutions

UF: Institutions (research)
BT: Organizations
NT: Biological institutions
Fishery institutions
Geological institutions
Limnological institutions
Oceanographic institutions
RT: Education establishments
Laboratories
Research
Research programmes

Research programmes

BT: Programmes
RT: Cruise programmes
Fellowships
Grants
Research
Research institutions
Research proposals

Research proposals

SN: Before 1982 search
PROPOSED RESEARCH
UF: Proposed research
RT: Research
Research programmes

Research ships

USE: **Research vessels**

Research vessels

SN: Vessels used for ceanographic
and limnological exploration

UF: Research ships

RT: Cruise programmes

Hydrographic surveying

Hydrographic surveys

Multiship expeditions

Surface craft

Survey vessels

Weather ships

Research workers

USE: **Scientific personnel**

Researchers

USE: **Scientific personnel**

Reserves

USE: **Potential resources**

Reservoir dynamics

USE: **Lake dynamics**

Reservoir fisheries

BT: Inland fisheries

RT: Lake fisheries

Water reservoirs

Reservoirs (oil)

USE: **Oil reservoirs**

Reservoirs (water)

USE: **Water reservoirs**

Residence time

RT: Age
Flushing time
Renewal
Veterinary drugs residues

Residual circulation

USE: **Residual flow**

Residual currents

USE: **Residual flow**

Residual flow

UF: Residual circulation
Residual currents
RT: Fluid motion
Unidirectional flow
Water currents

Resilience (ecosystem)

USE: **Ecosystem resilience**

Resistance (biological)

USE: **Biological resistance**

Resistance mechanisms

RT: Biological resistance
Defence mechanisms

Resistance to chemicals

USE: **Control resistance**

Resistance to disease

USE: **Disease resistance**

Resistance to drugs

USE: **Drug resistance**

Resistance to parasites

USE: **Parasite resistance**

Resistivity (electrical)

USE: **Electrical resistivity**

Resolution

UF: Instrument resolutions
Resolving power
RT: Accuracy
Errors

Resolving power

USE: **Resolution**

Resonance

NT: Roll resonance
Tidal resonance
RT: Oscillations
Resonant frequency
Vibration

Resonant frequency

UF: Natural frequency
BT: Frequency
RT: Resonance
Vibration

Resonant wave interaction

BT: Wave interactions
RT: Internal waves
Wave-wave interaction

Resource availability

BT: Availability
RT: Development potential
Exploitation
Population density
Population number
Quantitative distribution
Resource surveys
Resources

Resource conservation

BT: Conservation
RT: Environment management
Fuel economy
Natural resources
Protected resources
Rare resources
Resource management

Resource depletion

BT: Depletion
RT: Individual transferable quotas
Resource management
Resources

Resource development

SN: Economic development of
living and non-living aquatic
resources
UF: Development (resources)
NT: Aquaculture development

Fishery development
RT: Development potential
Development projects
Exploitation
Fish leather
Potential resources
Resource management

Resource exploitation
USE: **Exploitation**

Resource exploration
BT: Exploration
NT: Mineral exploration
Oil and gas exploration
RT: Geostatistics
Resource surveys
Resources

Resource management
BT: Management
NT: Fishery management
Land management
Water management
RT: Culling
Ecosystem approach
Environment management
Individual transferable quotas
Natural resources
Precautionary principle
Resource conservation
Resource depletion
Resource development
Spatial planning
Stewardship
Visual impact

Resource surveys
BT: Surveys
RT: Resource availability
Resource exploration

Resources
SN: Before 1982 search
NATURAL RESOURCES
UF: Economic resources
Means
Potentialities
NT: Financial resources
Human resources
Institutional resources
Natural resources
Non-living resources
Potential resources
Protected resources
Rare resources
RT: Resource availability
Resource depletion
Resource exploration

Respiration
UF: Respiration rate
Respiratory quotients
NT: Aerobic respiration
Anaerobic respiration
RT: Metabolism
Oxygen demand

Respiratory organs
Respiratory pigments
Respiratory system
Stomata
Transpiration

Respiration rate
USE: **Respiration**

Respiratory organs
UF: Accessory respiratory organs
BT: Animal organs
NT: Gills
Lungs
Trachea
RT: Respiration
Respiratory pigments
Respiratory system

Respiratory pigments
UF: Respiratory proteins
BT: Pigments
NT: Haemocyanins
Haemoglobins
RT: Respiration
Respiratory organs

Respiratory proteins
USE: **Respiratory pigments**

Respiratory quotients
USE: **Respiration**

Respiratory system
BT: Anatomical structures
RT: Respiration
Respiratory organs

Respirometers
BT: Measuring devices
RT: Aerobic respiration
Oxygen consumption

Response (oceanic)
USE: **Oceanic response**

Response analysis
BT: Analysis
RT: Response time
Tidal analysis

Response time
RT: Atmospheric forcing
Oceanic response
Response analysis
Salinity

Response traits
USE: **Biological traits**

Responsible aquaculture
USE: **Sustainable aquaculture**

Responsible fisheries
USE: **Sustainable fishing**

Resting eggs
UF: Winter eggs
BT: Eggs
RT: Resting stages

Resting spores
BT: Spores
RT: Resting stages

Resting stages
RT: Developmental stages
Dormancy
Environmental effects
Resting eggs
Resting spores
Sleep

Restocking
USE: **Stocking (organisms)**

Restoration
UF: Rehabilitation
NT: Biomanipulation
Environmental restoration
RT: Deterioration
Maintenance and repair

Restoration of mangroves
USE: **Mangrove restoration**

Resuspended sediments
UF: Sediments in suspension
Suspended sediments
BT: Sediments
Suspended particulate matter
RT: Particle motion
Resuspension
Sediment traps
Suspended load

Resuspension
BT: Suspension
RT: Resuspended sediments
Suspended load

Retinas
UF: Blind spot
Fovea
BT: Eyes
RT: Visual pigments

Retrogradation
RT: Coastal erosion
Coastal morphology
Coasts
Eustatic changes
Landslides
Progradation
Submerged shorelines
Submergence
Transgressions

Return on investment
SN: A performance measure used to evaluate the efficiency of an investment or to compare the

efficiency of a number of
different investments
UF: ROI
RT: Economic analysis
Investments
Profits

Reverberation

UF: Sound reverberation
BT: Underwater noise
NT: Bottom reverberation
RT: Backscatter
Reflection
Sound scattering

Reverse osmosis

BT: Osmosis
RT: Desalination
Wastewater treatment

Reversing thermometers
USE: **Thermometers**

Review articles
USE: **Literature reviews**

Reviews (literature)
USE: **Literature reviews**

Reynolds number

RT: Dimensionless numbers
Drag coefficient
Froude number
Laminar flow
Prandtl number
Turbulent flow

Reynolds stresses

UF: Eddy stresses
Turbulent shear stresses
BT: Stress (mechanics)
RT: Bottom stress
Eddy viscosity
Momentum transfer
Navier-Stokes equations
Shear stress
Turbulence
Turbulent boundary layer
Turbulent flow
Wind stress

RFID tags

SN: Automatic identification
technology which uses radio-
frequency electromagnetic fields
to identify objects carrying tags
when they come close to a
reader
UF: Radio frequency
identification tags
BT: Tags
RT: Food technology
Food traceability
Locating
Quality control
Tracking

Rhenium

BT: Heavy metals
RT: Rhenium isotopes

Rhenium isotopes

BT: Isotopes
RT: Rhenium

Rheology

BT: Mechanics
RT: Deformation
Non-Newtonian fluids
Plastic flow
Viscosity

Rheotaxis

BT: Taxis
RT: Water currents

Rheotropism

BT: Tropism
RT: Water currents

Rhizomes

BT: Plant organs
RT: Plant reproductive structures
Roots
Stems
Stomata
Vegetative reproduction

Rhodamine B-dye

SN: Synthetic red or pink
substance used as tracer in study
of water currents, turbulence
BT: Dyes
RT: Lagrangian current
measurement

Rhodium

BT: Heavy metals

Rhodopsin

USE: **Visual pigments**

Rhyolites

BT: **Volcanic rocks**

Rhythms

USE: **Cycles**

Rhythms (biological)

USE: **Biological rhythms**

Ria coasts

USE: **Submerged shorelines**

Rias

USE: **Drowned valleys**

Riboflavin

USE: **Vitamin B**

Ribonucleic acid

USE: **RNA**

Ribose

BT: Monosaccharides
RT: Aldehydes
Vitamin B

Ribosomes

UF: Microsomes
RT: Cytoplasm
Protein synthesis
Proteins
RNA

Rice-cum-fish culture

USE: **Rice field aquaculture**

Rice-fish culture

USE: **Rice field aquaculture**

Rice field aquaculture

SN: Before 1982 search
AGROPISCICULTURE
UF: Rice-cum-fish culture
Rice-fish culture
Rizipisciculture
BT: Agropisciculture
RT: Aquaculture techniques
Crayfish culture
Fish culture
Freshwater aquaculture
Rice fields

Rice fields

UF: Paddy fields
RT: Rice field aquaculture

Richardson number

RT: Instability
Shear flow
Vertical shear

Ridges

BT: Landforms
NT: Continental ridges
Submarine ridges

Rift systems

USE: **Rift zones**

Rift valleys

BT: Valleys
NT: Median valleys
RT: Fault zones
Faults
Graben
Rift zones
Rifting

Rift zones

SN: Previously indexed as RIFTS
UF: Rift systems
Rifts
RT: Diverging plate boundaries
Fault zones
Plate divergence
Rift valleys
Rifting

Rifting

UF: Taphrogeny
RT: Fault zones
Orogeny
Plate divergence
Rift valleys
Rift zones
Seafloor spreading
Tectonics

Rifts

USE: **Rift zones**

Rigging

RT: Deck equipment
Sailing ships

Righting

BT: Ship motion
RT: Capsizing
Ship stability

Rights

SN: Use of a more specific term is recommended
NT: Exclusive rights
Exploration rights
Fishing rights
Property rights
Riparian rights
Water rights
RT: Jurisdiction
Legal aspects
Legislation

Rigidity

USE: **Flexibility**

Rigidity modulus

USE: **Shear modulus**

Rigs

USE: **Drilling rigs**

Rip channels

BT: Beach features
Channels
RT: Rip currents

Rip currents

BT: Nearshore currents
RT: Beach cusps
Coasts
Edge waves
Longshore currents
Rip channels
Surf zone
Undertow
Wave-current interaction
Wind-driven currents

Riparian buffers

SN: Areas that are managed to protect the aquatic and riparian ecosystem. A riparian buffer protects water quality and temperature, habitat along the

banks, upland habitat for aquatic and riparian species, and some or all of the floodplain.

RT: Land management
Riparian environments
Riparian vegetation
Riparian zone

Riparian environments

RT: Coasts
Hyporheic zone
Lake shores
Riparian buffers
Riparian zone
River banks

Riparian plants

USE: **Riparian vegetation**

Riparian rights

SN: Belonging to a person who owns land bordering a body of water
BT: Rights
RT: Irrigation water
Property rights
Recreational waters
Riparian zone
Water rights

Riparian vegetation

UF: Riparian plants
BT: Flora
RT: Riparian buffers

Riparian zone

RT: Coastal zone
Riparian buffers
Riparian environments
Riparian rights

Ripple marks

BT: Bedding structures
RT: Sand ripples
Transverse bed forms

Ripples (sand)

USE: **Sand ripples**

Ripples (water)

USE: **Water ripples**

Riprap

BT: Breakwaters

Rise (continental)

USE: **Continental rise**

Rise (oceanic)

USE: **Mid-ocean ridges**

Riser cables

BT: Cables
RT: Catenary
Electric cables

Riser pipes

UF: Marine risers
BT: Pipes
RT: Flowlines

Risk management

SN: The process of evaluating and selecting regulatory and non-regulatory responses to risk, taking into consideration legal, economic, and behavioural factor.
BT: Management
NT: Precautionary principle
RT: Biosecurity
Mitigation
Risks

Risks

SN: Includes risk analysis
RT: Feasibility
Hazards
Insurance
Precautionary principle
Reliability
Risk management
Uncertainty

River banks

BT: Banks (topography)
RT: Fluvial morphology
Levees
Riparian environments
River beds
Rivers

River basin management

BT: Ecosystem management
RT: Flood control
River basins
Water management

River basins

UF: Drainage basins
BT: Basins
RT: Catchment area
Fluvial features
Lake basins
River basin management
River valleys
Rivers
Watersheds

River beds

RT: Bed load
Bed roughness
Bottom friction
Fluvial morphology
Hyporheic zone
River banks
Rivers

River culture

USE: **Raceway culture**

River currents

USE: **Stream flow**

River discharge

SN: Flow from rivers into lakes and seas, contribution to water budget of seas and lakes, influence on environment and organisms

UF: River discharge effects

River inflow

BT: Inflow

RT: Fluvial transport

River outflow

River plumes

Rivers

Stream flow

Water budget

River discharge effects

USE: **River discharge**

River engineering

BT: Engineering

RT: Coastal engineering

Fluvial morphology

Rivers

Stream flow

Structural engineering

River fisheries

UF: Stream fisheries

BT: Inland fisheries

RT: Artisanal fisheries

Artisanal fishing

Crustacean fisheries

Estuarine fisheries

Rivers

Salmon fisheries

River flow

USE: **Stream flow**

River inflow

USE: **River discharge**

River meanders

SN: Before 1986 use

MEANDERS (RIVERS)

UF: Meanders (rivers)

RT: Flood plains

Fluvial features

Fluvial morphology

Meandering

Oxbow lakes

Rivers

River morphology

USE: **Fluvial morphology**

River mouth

SN: A river mouth is the part of a river that flows into a lake, reservoir or ocean

UF: Mouth (river)

RT: Estuaries

River outflow

River outflow

SN: Outflow of water from lakes and other inland water bodies

BT: Outflow

RT: River discharge

River mouth

Rivers

River plumes

SN: Plumes mainly caused by suspended material from river discharge into lakes, estuaries or marine coastal areas

BT: Plumes

RT: Estuarine fronts

River discharge

Salt-wedge estuaries

Sediment transport

Suspended particulate matter

Thermal decomposition

Turbidity

Water mixing

River restoration

BT: Environmental restoration

RT: Biodiversity

Flood control

Recreation

User participation

River valleys

UF: Stream valleys

BT: Valleys

RT: Alluvial terraces

Flood plains

Fluvial features

Fluvial morphology

River basins

Rivers

Thalweg

River water

BT: Water

RT: Blackwater rivers

Clearwater rivers

Rivers

Whitewater rivers

Rivers

UF: Creeks

Streams

BT: Inland waters

NT: Blackwater rivers

Clearwater rivers

Distributaries

Tributaries

Whitewater rivers

RT: Bayous

Channels

Deltas

Ephemeral streams

Flood plains

Fluvial features

Fluvial morphology

Fluvial sedimentation

Fluvial transport

Headwaters

Hyporheic zone

Lotic environment

Oxbow lakes

River banks

River basins

River beds

River discharge

River engineering

River fisheries

River meanders

River outflow

River valleys

River water

Stream flow

Stream flow rate

Water resources

White water river recreation

Rizipisciculture

USE: **Rice field aquaculture**

RM

USE: **Redmouth disease**

RNA

SN: Before 1982 search

RIBONUCLEIC ACID

UF: Ribonucleic acid

BT: Nucleic acids

RT: Polymerization

Protein sequencing

Ribosomes

RNA replication

RNA sequencing

Sequencing

RNA replication

SN: Before 2016 search

REPLICATION + RNA

BT: Replication

RT: Genes

Genomes

Nucleic acids

Protein synthesis

RNA

RNA sequence analysis

USE: **RNA sequencing**

RNA sequencing

SN: A multistage process that includes cloning, physical mapping, subcloning, sequencing, and information analysis of an RNA sequence

UF: RNA sequence analysis

BT: Sequencing

RT: Biochemistry

DNA

Genetics

Nucleotide sequence

Proteins

RNA

Road bridges

USE: **Bridges**

Roadsteads
USE: **Anchorage**

Robots

BT: Electronic equipment
RT: Automation
Computers
Manipulators
Remote control

Rock deformation

BT: Deformation
NT: Diapirism
RT: Faults
Folds
Rock mechanics
Rocks

Rock density
USE: **Sediment density**

Rock falls
USE: **Debris flow**

Rock magnetism
USE: **Remanent magnetization**

Rock mechanics

UF: Rock shear
Rock stress
BT: Mechanics
RT: Elasticity
Rock deformation
Rocks
Soil mechanics

Rock pools
USE: **Tidal pools**

Rock properties
USE: **Sediment properties**

Rock samples
USE: **Sediment samples**

Rock sampling
USE: **Sediment sampling**

Rock shear
USE: **Rock mechanics**

Rock stress
USE: **Rock mechanics**

Rockfish fisheries
USE: **Redfish fisheries**

Rocklobster fisheries
USE: **Lobster fisheries**

Rocks

NT: Anisotropic rocks
Bleached rocks
Carbonate rocks
Igneous rocks
Metamorphic rocks
Phosphate rocks

Sedimentary rocks
Siliceous rocks
RT: Basement rock
Hydraulic fracturing
Lithogenesis
Outcrops
Petrogenesis
Petrology
Quarries
Rock deformation
Rock mechanics
Rocky shores

Rocky reefs
USE: **Reefs**

Rocky shores

BT: Coastal landforms
RT: Coasts
Rocks

Roe fisheries

BT: Fisheries
RT: Roes

Roes

SN: Gonads of fish or
invertebrates marketed in
various ways and usually
referred to by individual species,
e.g. cod roe, salmon roe, etc.
UF: Fish roe
Hard roe
Invertebrate roe
Milt
Soft roe
BT: Processed fishery products
NT: Caviar
RT: Roe fisheries

ROI
USE: **Return on investment**

Roll resonance

BT: Resonance
RT: Buoy motion effects
Rolling

Roll response

BT: Dynamic response
RT: Buoy motion effects
Rolling

Rollers

BT: Swell
RT: Breakers
Shoaling waves

Rolling

BT: Ship motion
RT: Buoy motion effects
Roll resonance
Roll response
Yawing

Root systems
USE: **Roots**

Roots

UF: Root systems
BT: Plant organs
RT: Rhizomes

Rope

USE: **Ropes**

Ropes

UF: Rope
NT: Fibre rope (natural)
Fibre rope (synthetic)
Wire rope
RT: Cables
Chain
Mooring lines
Nets
Towing lines

Rossby number

RT: Coriolis force
Dimensionless numbers
Inertia
Ratios
Rossby parameter

Rossby parameter

BT: Parameters
RT: Baroclinic instability
Beta-plane
Coriolis parameters
Planetary waves
Rossby number

Rossby waves
USE: **Planetary waves**

Rotary currents

BT: Tidal currents
RT: Coriolis force
Current ellipses

Rotating fluids

BT: Fluids
RT: Fluid motion
Vortices

Rotation

BT: Motion
NT: Earth rotation
RT: Anticyclonic motion
Cyclonic motion
Plate motion
Plate tectonics
Polar wandering
Vorticity

Rotenone

RT: Toxicants

Rough fish

USE: **Trash fish**

Roughness

SN: Use of a more specific term is
recommended

BT: Surface properties
NT: Bed roughness
Surface roughness
RT: Friction

ROVs
USE: **Unmanned vehicles**

Row boats

SN: Before 1982 search BOATS
BT: Boats

Rubber

SN: Rubber as a material used in the aquatic environment. For rubber cements or adhesives use ADHESIVES
BT: Materials

Rubber (adhesives)
USE: **Adhesives**

Rubbish
USE: **Litter**

Rubblemound breakwaters

BT: Breakwaters

Rubidium

BT: Alkali metals
RT: Rubidium isotopes

Rubidium-strontium dating

BT: Radiometric dating
RT: Rubidium isotopes
Strontium isotopes

Rubidium isotopes

BT: Isotopes
RT: Rubidium
Rubidium-strontium dating

Rudites

RT: Boulder clay
Boulders
Breccia
Cobblestone
Pebbles

Runnels

BT: Beach features
RT: Beaches
Channels

Running water culture
USE: **Raceway culture**

Runoff

SN: Water derived from atmospheric precipitation which reaches streams and rivers. The term must not be confused in this thesaurus with RIVER DISCHARGE
BT: Drainage water
NT: Agricultural runoff
Stormwater runoff

Urban runoff
RT: Catchment area
Nonpoint pollution sources
Point source pollution
Rainfall
Snowmelt
Waste water
Watersheds

Runoff from agricultural land
USE: **Agricultural runoff**

Rural development

UF: Development (rural)
RT: Fishery aid
Fishing communities
Urbanization

Rust
USE: **Corrosion**

Ruthenium

BT: Heavy metals
RT: Ruthenium isotopes

Ruthenium isotopes

BT: Isotopes
RT: Ruthenium

Rutile

BT: Oxide minerals
RT: Heavy minerals
Placers
Titanium

S-waves

UF: Secondary waves
Shear waves
BT: Body waves
RT: P-waves
Shear wave velocities

Sabkhas

UF: Salt flats
NT: Playas
RT: Arid environments
Coastal lagoons
Deserts
Eolian deposits
Evaporites
Salt deposits
Supralittoral zone

Saccharides

UF: Sugars
BT: Carbohydrates
NT: Monosaccharides
Polysaccharides

Sacrificial anodes

BT: Anodes
RT: Cathodic protection

Safety
USE: **Health and safety**

Safety devices

UF: Deck safety equipment
Safety equipment
BT: Equipment
RT: Accident prevention
Alarm systems
Breathing apparatus
Deck equipment
Fire extinguishers
Health and safety
Life saving equipment
Lifeboats
Protective clothing
Safety regulations
Warning systems

Safety equipment
USE: **Safety devices**

Safety regulations

BT: Legislation
NT: Diving regulations
RT: Accident prevention
Evacuation
Fire prevention
Health and safety
Quarantine regulations
Radiation protection
Safety devices

Sailing
USE: **Boating**

Sailing ships

BT: Ships
NT: Yachts
RT: Rigging
Sails

Sails

BT: Propulsion systems
RT: Sailing ships

Saline fronts

BT: Fronts

Saline intrusion

RT: Coastal aquifers
Ground water
Saline water
Salt-wedge estuaries
Salt wedges
Water mass intrusions
Water salinization

Saline water

SN: Water with high salt concentration in inland water bodies
UF: Salt water
BT: Water
RT: Brines
Desalination
Saline intrusion
Salt lakes
Salt marshes
Sea water
Water properties

Salinity

BT: Chemical properties
 NT: Chlorinity
 Chlorosity
 Palaeosalinity
 Surface salinity
 RT: Abiotic factors
 Cabbeling
 Conservative properties
 Desalination
 Dissolved salts
 Halocline
 Hydroclimate
 In situ density
 Isohalines
 Potential density
 Refractive index
 Response time
 Salinity charts
 Salinity data
 Salinity effects
 Salinity gradients
 Salinity maximum layer
 Salinity measurement
 Salinity measuring equipment
 Salinity microstructure
 Salinity minimum layer
 Salinity power
 Salinity profiles
 Salinity scales
 Salinity sections
 Salinity tolerance
 Salt flux
 Sea water
 Sigma-T
 Soil salinization
 T-S diagrams
 Water density
 Water salinization
 Water types

Salinity-temperature-depth
 observations

USE: **STD observations**

Salinity-temperature-depth profilers
 USE: **STD profilers**

Salinity-temperature-depth profiles
 USE: **STD profiles**

Salinity charts

BT: Hydrographic charts
 RT: Isohalines
 Salinity
 Salinity data
 Salinity sections
 Salinity tables

Salinity data

BT: Hydrographic data
 RT: Oceanographic data
 Salinity
 Salinity charts
 Salinity tables

Salinity effects

BT: Environmental effects
 RT: Salinity
 Salinity tolerance
 Water salinization

Salinity gradient energy conversion

USE: **Salinity power**

Salinity gradients

BT: Gradients
 RT: Double diffusion
 Salinity
 Salinity power
 Salinity profiles
 Salt fingers

Salinity maximum layer

BT: Core layers (water)
 RT: Salinity
 Salinity minimum layer
 Salinity profiles
 Salinity sections

Salinity measurement

BT: Measurement
 RT: Refractive index
 Salinity
 Salinity measuring equipment
 Salinity tables
 Standard sea water
 Titration
 Water analysis
 Water salinization

Salinity measuring equipment

BT: Measuring devices
 NT: Salinometers
 RT: Conductivity sensors
 CTD profilers
 Salinity
 Salinity measurement
 STD profilers

Salinity microstructure

SN: Variations in the distribution
 of salinity on a scale of 10 cm or
 less.
 BT: Microstructure
 RT: Salinity

Salinity minimum layer

BT: Core layers (water)
 RT: Salinity
 Salinity maximum layer
 Salinity profiles
 Salinity sections

Salinity power

SN: Power derived from the
 osmotic pressure difference
 between two bodies of water of
 differing salinities
 UF: Salinity gradient energy
 conversion
 BT: Power from the sea
 RT: Osmotic pressure

Salinity
 Salinity gradients

Salinity profiles

BT: Vertical profiles
 RT: CTD profilers
 Salinity
 Salinity gradients
 Salinity maximum layer
 Salinity minimum layer
 Salinity sections
 STD profilers

Salinity scales

NT: Practical salinity scale
 RT: Salinity

Salinity sections

BT: Hydrographic sections
 RT: Isohalines
 Salinity
 Salinity charts
 Salinity maximum layer
 Salinity minimum layer
 Salinity profiles
 Salinity stratification
 Vertical distribution

Salinity stratification

UF: Stratification (salinity)
 BT: Stratification
 RT: Density stratification
 Halocline
 Salinity sections
 Salt-wedge estuaries

Salinity tables

BT: Oceanographic tables
 RT: Salinity charts
 Salinity data
 Salinity measurement

Salinity temperature depth profiles
 USE: **STD profiles**

Salinity tolerance

BT: Tolerance
 RT: Amphihaline species
 Brackishwater organisms
 Euryhalinity
 Halophytes
 Indicator species
 Osmoregulation
 Salinity
 Salinity effects
 Stenohalinity

Salinization

NT: Soil salinization
 Water salinization

Salinization (soil)

USE: **Soil salinization**

Salinization (water)

USE: **Water salinization**

Salinometers

BT: Salinity measuring equipment

Salmon culture

SN: Before 2016 search FISH

CULTURE + species name

BT: Fish culture

Salmon fisheries

UF: Trout fisheries

BT: Finfish fisheries

RT: Lake fisheries

River fisheries

Salmon nests

USE: **Redds**

Salp blooms

BT: Blooms

Salt-wedge estuaries

BT: Estuaries

RT: Halocline

River plumes

Saline intrusion

Salinity stratification

Salt wedges

Turbulent entrainment

Salt advection

UF: Salt transport

BT: Advection

RT: Conservation of salt

Salt budget

Salt budget

RT: Conservation of salt

Dissolved salts

Salt advection

Salt flux

Water budget

Salt deposits

RT: Evaporites

Playas

Sabkhas

Salt lakes

Sediments

Subsurface deposits

Salt domes

BT: Structural domes

RT: Anticlines

Cap rocks

Diapirism

Diapirs

Domes

Salt finger convection

USE: **Double diffusion**

Salt fingering

USE: **Double diffusion**

Salt fingers

RT: Dissolved salts

Double diffusion

Interface phenomena

Microstructure

Salinity gradients

Transport processes

Salt flats

USE: **Sabkhas**

Salt flux

RT: Dissolved salts

Salinity

Salt budget

Salt lakes

BT: Lakes

RT: Dissolved salts

Halophytes

Playas

Saline water

Salt deposits

Salt marshes

BT: Marshes

RT: Coastal marshes

Halophytes

Progradation

Saline water

Tidal flats

Tidal marshes

Salt nuclei

UF: Sea salt nuclei

BT: Salt particles

Salt particles

BT: Atmospheric particulates

NT: Salt nuclei

Salt spray

USE: **Spray**

Salt transport

USE: **Salt advection**

Salt water

USE: **Saline water**

Salt water wedges

USE: **Salt wedges**

Salt wedges

UF: Salt water wedges

RT: Estuarine dynamics

Saline intrusion

Salt-wedge estuaries

Saltation

RT: Bed load

Particle motion

Sediment transport

Suspension

Salting

USE: **Curing**

Salts

UF: Mineral salts

NT: Carboxylic acid salts

Dissolved salts

RT: Carbonates

Chemical compounds

Conservation of salt

Cyanides

Desalination

Halogen compounds

Mineral resources

Nitrates

Nitrites

Phosphates

Salts extraction

USE: **Demineralization**

Saltwater shrimp culture

USE: **Shrimp culture**

Salvage

USE: **Salvaging**

Salvage equipment

BT: Equipment

RT: Lifting tackle

Salvaging

Water pumps

Salvaging

SN: Before 1986 search also

SALVAGE

UF: Recovery of wrecks

Salvage

Wreck recovery

RT: Locating

Removal

Salvage equipment

Search and rescue

Wrecks

Samarium

BT: Lanthanides

RT: Samarium isotopes

Samarium isotopes

BT: Isotopes

RT: Samarium

Sample contamination

UF: Contamination of samples

RT: Sample storage

Samples

Sampling

Sample storage

BT: Storage

RT: Core handling

Gene banks

Sample contamination

Samples

Sampling

Samplers

UF: Sampling devices

NT: Sediment samplers

Water samplers

RT: Collecting devices

Oceanographic equipment	Sand ribbons	Graywacke
Sampling	Sandstone	Sand
Samples	Sediment load	Siliceous rocks
NT: Geological samples	Sediment texture	Sandy beaches
Water samples	Silicates	USE: Beaches
RT: Sample contamination	Silt	Sanitary engineering
Sample storage	Soils	BT: Engineering
Sampling	Sand banks	RT: Hygiene
Sampling	BT: Banks (topography)	Sewage disposal
SN: Use of a more specific term is recommended	Bed forms	Sewage ponds
UF: Sampling methods	RT: Mud banks	Sewage treatment
Sampling techniques	Shoals	Sludge treatment
NT: Air sampling	Submarine banks	Waste disposal
Biological sampling	Sand bars	Waste treatment
Seafloor sampling	BT: Bed forms	Waste water
Sediment sampling	RT: Nearshore bars	Wastewater treatment
Statistical sampling	Sand	Water filtration
Water sampling	Shoals	Water pollution treatment
RT: Census	Sand dunes (subaerial)	Water purification
Observers	USE: Dunes	Saponins
Sample contamination	Sand patches	BT: Glycosides
Sample storage	BT: Bed forms	Saponite
Samplers	RT: Sand	BT: Clay minerals
Samples	Transverse bed forms	Saprobiants
Surveying	Sand pits	SN: Organisms feeding on decaying organic matters
Sampling (biological)	USE: Pits	UF: Saprophagic organisms
USE: Biological sampling	Sand ribbons	Saprophytes
Sampling (statistical)	BT: Bed forms	Saprozoic organisms
USE: Statistical sampling	RT: Sand	Saprozoites
Sampling devices	Sand ripples	BT: Decomposers
USE: Samplers	UF: Ripples (sand)	RT: Biodegradation
Sampling methods	Wave sand ripples	Detritus feeders
USE: Sampling	BT: Bed forms	Sapropelite
Sampling techniques	RT: Beach features	USE: Sapropels
USE: Sampling	Ripple marks	Sapropels
Sanctuaries	Transverse bed forms	SN: Black or brown sediments made up of organic debris.
SN: Areas reserved for the protection of particular species of animals during part or all of the year	Sand structures	Before 1982 search SAPROPEL
RT: Freshwater parks	BT: Artificial islands	UF: Sapropelite
Marine parks	Sand transport	BT: Organic sediments
Nature conservation	USE: Sediment transport	RT: Anoxic sediments
Refuges	Sand traps	Detritus
Sand	USE: Sediment traps	Hydrocarbons
BT: Clastics	Sand waves	Oozes
RT: Aggregates	UF: Megaripples	Peat
Arenites	Waves (sand)	Stagnant water
Beaches	BT: Bed forms	Suspended organic matter
Bermes	RT: Dunes	Saprophagic organisms
Dunes	Transverse bed forms	USE: Saprobionts
Epipsammon	Wave slope	Saprophytes
Gravel	Sandstone	USE: Saprobionts
Meiobenthos	BT: Clastics	Sapropelankton
Psammon	Sedimentary rocks	SN: Plankton found on the surface of stagnant water, developing on decaying organic matter
Sand bars	NT: Oil sands	BT: Zooplankton
Sand patches	RT: Arenites	
	Eolian deposits	

Saprozoic organisms
USE: **Saprobionts**

Saprozoites
USE: **Saprobionts**

Sarcoma
USE: **Tumours**

Sardine fisheries
USE: **Clupeoid fisheries**

Sardinella fisheries
USE: **Clupeoid fisheries**

Sashimi
SN: Sliced fish and shellfish served raw
BT: Fishery products

Satellite-aided navigation
USE: **Satellite navigation**

Satellite-aided sensing
USE: **Satellite sensing**

Satellite-borne radar altimetry
USE: **Satellite altimetry**

Satellite-tracked buoys
USE: **Drifting data buoys**

Satellite altimetry
UF: Satellite-borne radar altimetry
BT: Altimetry
RT: Geoid
Radar altimetry
Sea level measurement
Surface topography
Wave measurement

Satellite communication
BT: Communication
RT: Communication satellites
Telemetry

Satellite imagery
USE: **Satellite sensing**

Satellite mosaics
SN: Satellite-sensed images assembled to form a continuous picture of portions of the Earth's surface
UF: Satellite photographs
BT: Audiovisual materials
RT: Aerial photographs
Infrared imagery
Microwave imagery
Satellite photography
Satellite sensing

Satellite navigation
UF: Satellite-aided navigation
Satellite position fixing
BT: Navigation

Position fixing
RT: Navigational satellites

Satellite photographs
USE: **Satellite mosaics**

Satellite photography
UF: Visible and near-infrared imagery
BT: Aerial photography
RT: Multispectral scanners
Satellite mosaics
Satellite sensing

Satellite position fixing
USE: **Satellite navigation**

Satellite sensing
UF: Satellite-aided sensing
Satellite imagery
BT: Geosensing
RT: Infrared imagery
Microwave imagery
Radio oceanography
Satellite mosaics
Satellite photography
Satellites

Satellites
UF: Artificial satellites
Satellites (artificial)
NT: Communication satellites
Navigational satellites
Scientific satellites
RT: Astronomy
Electronic equipment
Satellite sensing

Satellites (artificial)
USE: **Satellites**

Saturated hydrocarbons
UF: Aliphatic hydrocarbons
Alkanes
BT: Hydrocarbons
NT: Acyclic hydrocarbons
Alicyclic hydrocarbons

Saturation
UF: Saturation index
NT: Supersaturation
RT: Condensation
Evaporation
Saturation depth
Solubility
Solutions

Saturation depth
RT: Saturation
Water depth

Saturation diving
BT: Diving
RT: Breathing mixtures
Decompression
Diving bells
Diving suits

Working underwater

Saturation index
USE: **Saturation**

Saturation vapour pressure
USE: **Vapour pressure**

Scad fisheries
USE: **Carangid fisheries**

Scale formation
USE: **Scaling**

Scale models
UF: Laboratory models
Physical models
BT: Models
NT: Hydraulic models
Ship models
RT: Audiovisual materials
Mathematical models

Scale reading
BT: Age determination
RT: Scales

Scales
UF: Dermal denticles
Fish scales
BT: Exoskeleton
RT: Integumentary system
Scale reading

Scaling
SN: Lime or other scale formation on structures and equipment
UF: Scale formation
NT: Liming
RT: Fouling

Scallop culture
SN: Before 1982 search
MOLLUSC CULTURE
BT: Bivalve culture

Scallop fisheries
UF: Pecten fisheries
BT: Mollusc fisheries
RT: Coastal fisheries

Scandium
BT: Nonmetals
Transition elements
RT: Scandium isotopes

Scandium isotopes
BT: Isotopes
RT: Scandium

Scanning electron microscopy
USE: **Electron microscopy**

Scarps
USE: **Escarments**

Scars

USE: **Lesions**

Scatter diagrams

BT: Statistical tables

RT: Regression analysis

Scatterance meters

BT: Light measuring instruments

RT: Scattering coefficient

Volume scattering function

Scattering (light)

USE: **Light scattering**

Scattering (sound)

USE: **Sound scattering**

Scattering (water waves)

USE: **Wave scattering**

Scattering coefficient

UF: Total scattering coefficient

BT: Optical properties

RT: Light scattering

Scatterance meters

Scattering layers

UF: Deep scattering layers

Sound scattering layers

BT: Discontinuity layers

RT: Echosounding

Scattering loss

USE: **Transmission loss**

Scatterometers

BT: Measuring devices

RT: Backscatter

Microwaves

Radar imagery

Remote sensing equipment

Synthetic aperture radar

Scavengers

SN: Animals feeding on dead animal material

BT: Heterotrophic organisms

Schistosomiasis

BT: Parasitic diseases

Schists

BT: Metamorphic rocks

NT: Greenschists

Scholarships

USE: **Fellowships**

Schooling behaviour

SN: Swarming, herding and flocking of any aquatic population

UF: Schools (biological)

BT: Social behaviour

RT: Feeding behaviour

Protective behaviour

Schools (biological)

USE: **Schooling behaviour**

Schools (educational)

USE: **Education establishments**

Scientific advice

SN: The conclusion of a skilled evaluation taking account of scientific evidence including uncertainty

RT: Fishery management

Planning

Policies

Precautionary principle

Uncertainty

Scientific laws

SN: A generalized description of how things behave in nature under a variety of circumstances

UF: Laws (scientific laws)

Laws of nature

Laws of science

RT: Research

Scientific logbooks

USE: **Logbooks**

Scientific personnel

SN: Before 1986 search also SCIENTISTS

UF: Research workers

Researchers

Scientific research workers

Scientific researchers

Scientists

BT: Personnel

NT: Biologists

Ecologists

Freshwater scientists

Geologists

Information scientists

Marine scientists

Meteorologists

Statisticians

Veterinarians

RT: Consultants

Experts

Technicians

Scientific research

USE: **Research**

Scientific research workers

USE: **Scientific personnel**

Scientific researchers

USE: **Scientific personnel**

Scientific satellites

UF: Meteorological satellites

Oceanographic satellites

BT: Satellites

RT: Geosensing

Scientists

USE: **Scientific personnel**

Scooping gear

USE: **Lift-nets**

Scorpionfish fisheries

USE: **Redfish fisheries**

Scottish seines

USE: **Boat seines**

Scour and fill

BT: Sedimentary structures

RT: Current scouring

Scouring

Scour hollows

BT: Bed forms

RT: Current scouring

Scour marks

BT: Current marks

RT: Current scouring

Scour protection

BT: Protection

RT: Artificial seaweed

Pipeline protection

Scouring

Scouring

SN: Use of a more specific term is recommended

BT: Erosion

NT: Current scouring

Iceberg scouring

Wave scouring

RT: Bottom currents

Deterioration

Failures

Scour and fill

Scour protection

Wind abrasion

SCP

USE: **Single cell proteins**

Screening

RT: Filtration

Screens

Screens

UF: Fish screens

RT: Aquaculture equipment

Fishways

Screening

Scuba diving

SN: Before 1982 search DIVING

UF: Skin diving

BT: Diving

RT: Breathing apparatus

Breathing mixtures

Sea-air exchanges

USE: **Air-water exchanges**

Sea-based pollution

BT: Pollution
RT: Vessel wastes

Sea bass culture

SN: Before 2016 search FISH
CULTURE + species
BT: Fish culture

Sea bass fisheries

USE: **Marine fisheries**

Sea bed

USE: **Ocean floor**

Sea blooms

USE: **Algal blooms**

Sea bream culture

SN: Before 2016 search FISH
CULTURE + species name
BT: Fish culture

Sea breezes

SN: Blowing from sea to land.
Before 1995 search also LAND
+ SEA BREEZES
UF: Lake breezes
BT: Breezes
RT: Land breezes
Monsoons

Sea caves

USE: **Caves**

Sea clutter

USE: **Surface clutter**

Sea coast

USE: **Coasts**

Sea cucumber culture

UF: Beche-de-mer culture
BT: Echinoderm culture

Sea cucumber fisheries

SN: Before 2016 search
ECHINODERM FISHERIES
UF: Beche-de-mer fisheries
Trepang fisheries
BT: Echinoderm fisheries

Sea fans

USE: **Deep-sea fans**

Sea farming

USE: **Marine aquaculture**

Sea fisheries

USE: **Marine fisheries**

Sea floor

USE: **Ocean floor**

Sea floor topography

USE: **Bottom topography**

Sea fog

USE: **Fog**

Sea grass

SN: Species of embryophytes
living in marine coastal waters.
Flowering plants (angiosperms)
that colonised the sea. They are
the only flowering plants that
can live under seawater and are
not related to seaweeds
UF: Sea grasses
Seagrass
Seagrasses
BT: Macrophytes
Marine plants
NT: Artificial sea grass
RT: Seaweeds

Sea grasses

USE: **Sea grass**

Sea ice

BT: Ice
RT: Brines
Fast ice
Floating ice
Ice breaking
Ice fields
Ice keels
Ice rafting
Ocean-ice-atmosphere system
Sea water

Sea law

USE: **Law of the sea**

Sea level

SN: Height or level of the sea
surface
UF: Half tide level
Sea level data
Sea level records
Still water level
BT: Water levels
NT: Isostatic sea level
Mean sea level
Steric sea level
RT: Datum levels
Hypsometry
Polders
Quaternary
Sea level changes
Sea level measurement
Sea level pressure
Southern oscillation
Surface slope
Surface topography
Tides

Sea level changes

SN: Before 1995 search also SEA
LEVEL VARIATIONS
UF: Sea level variations
BT: Long-term changes
NT: Eustatic changes

RT: Climatic changes

Palaeoshorelines
Raised beaches
Regressions
Sea level
Sea level measurement
Solar-terrestrial activity
Strandlines
Transgressions

Sea level data

USE: **Sea level**

Sea level measurement

SN: Before 1984 search also SEA
LEVEL MEASURING
BT: Water level measurement
RT: Bench marks
Satellite altimetry
Sea level
Sea level changes
Surface topography

Sea level pressure

BT: Atmospheric pressure
RT: High pressure systems
Sea level
Southern oscillation
Weather
Winds

Sea level records

USE: **Sea level**

Sea level slope

USE: **Surface slope**

Sea level variations

USE: **Sea level changes**

Sea mist

USE: **Fog**

Sea salt nuclei

USE: **Salt nuclei**

Sea sickness

UF: Motion sickness
BT: Human diseases
RT: Ship motion

Sea smoke

USE: **Fog**

Sea snail fisheries

USE: **Gastropod fisheries**

Sea spray

USE: **Spray**

Sea state

RT: Environmental conditions
Sea state scales
Surface water waves
Wave climate
Wave predicting
Weather

Sea state scales

UF: Douglas scale
RT: Beaufort scale
Sea state
Surface water waves

Sea states (countries)

USE: **Coastal states**

Sea surface

BT: Surfaces
RT: Air-sea interaction
Air-water interface
Surface chemistry
Surface films
Surface microlayer
Surface properties
Surface radiation temperature
Surface salinity
Surface slope
Surface temperature
Surface topography
Surface water waves

Sea surface clutter

USE: **Surface clutter**

Sea surface salinity

USE: **Surface salinity**

Sea surface slope

USE: **Surface slope**

Sea surface temperature

USE: **Surface temperature**

Sea surface topography

USE: **Surface topography**

Sea turtles

UF: Marine turtles
BT: Aquatic reptiles
Marine organisms
RT: Freshwater turtles

Sea urchin culture

BT: Echinoderm culture

Sea urchin fisheries

SN: Before 2016 search
ECHINODERM FISHERIES
BT: Echinoderm fisheries

Sea walls

BT: Coast defences
RT: Breakwaters
Ice loads
Wave runup

Sea water

UF: Marine water
Ocean water
Seawater
BT: Water
NT: Dense water
Fossil sea water

Standard sea water

RT: Artificial seawater

Desalination

Marine environment

Relative density

Saline water

Salinity

Sea ice

Seawater evolution

Sea water conversion

USE: **Desalination**

Seabed

USE: **Ocean floor**

Seabed acoustic position fixing

USE: **Navigation underwater**

Seabed conventions

UF: Seabed treaties
BT: International agreements
RT: Law of the sea
Ocean policy
Undersea warfare

Seabed deposits

BT: Mineral deposits
NT: Aggregates
Ferromanganese nodules
Phosphorite nodules
Placers
RT: Deep-sea mining
Metalliferous sediments
Nodules
Nonrenewable resources
Sulphide deposits

Seabed drifters

BT: Subsurface drifters
RT: Bottom currents

Seabed engineering

USE: **Offshore engineering**

Seabed farming

USE: **Bottom culture**

Seabed foundations

USE: **Foundations**

Seabed habitats

USE: **Underwater habitats**

Seabed photographs

USE: **Bottom photographs**

Seabed protection

BT: Protection
RT: Artificial seaweed

Seabed samplers

USE: **Sediment samplers**

Seabed sampling

USE: **Seafloor sampling**

Seabed treaties

USE: **Seabed conventions**

Seabed vehicles

UF: Bottom crawlers
Crawlers
BT: Unmanned vehicles
RT: Self-propelled vehicles
Tethered vehicles

Seabights

BT: Submarine features

Seabream fisheries

USE: **Percoid fisheries**

Seachannels

BT: Bed forms
Channels
NT: Deep-sea channels
RT: Abyssal plains
Bottom erosion
Deep-sea fans
Levees
Microtopography

Seacoast

USE: **Coasts**

Seafloor mapping

BT: Mapping
RT: Bathymetry
Echosounding
Geological surveys
Ocean floor
Sediment sampling
Sonographs
Swaths
Underwater exploration

Seafloor sampling

UF: Bottom sampling
Seabed sampling
BT: Sampling
RT: Benthos collecting devices
Dredges (geology)
Drilling
Geological surveys
Ocean floor
Penetrometers
Sediment sampling
Surveying underwater

Seafloor spreading

UF: Spreading rate
RT: Continental drift
Fracture zones
Magnetic anomalies
Mantle convection
Median valleys
Mid-ocean ridges
Moho
Ocean floor
Palaeomagnetism
Plate tectonics
Rifting
Spreading centres

Seafood

BT: Human food
RT: Allergens
Processed fishery products
Shellfish

Seafood products
USE: **Fishery products**

Seagrass
USE: **Sea grass**

Seagrass resources
USE: **Botanical resources**

Seagrasses
USE: **Sea grass**

Seakeeping
USE: **Ship motion**

Seaknolls
UF: Knolls (submarine)
BT: Submarine features

Sealing
USE: **Seals (stoppers)**

Seals (stoppers)
UF: Oil seals
Sealing
RT: Leaks

Seamanship
RT: Navigation
Ship handling
Station keeping

Seamount chains
BT: Submarine features
RT: Hot spots
Seamounts
Submarine volcanoes

Seamounts
SN: Elevations of sea floor, usually volcanic, which may form islands
BT: Submarine features
NT: Guyots
RT: Mountains
Seamount chains

Seaquakes
RT: Earthquakes

Search and rescue
UF: Rescue
RT: Accidents
Diving
Emergency vessels
Locating
Salvaging
Survival at sea
Underwater object location

Seas
USE: **Oceans**

Seashells
USE: **Shells**

Seashore ecology
USE: **Marine ecology**

Season regulations
UF: Closed seasons
Fishing seasons
BT: Fishery regulations
RT: Permits

Seasonal changes
USE: **Seasonal variations**

Seasonal distribution
SN: Before 1982 search
TEMPORAL DISTRIBUTION
BT: Temporal distribution
RT: Migrations
Seasonal variations
Seasonality

Seasonal patterns
USE: **Seasonality**

Seasonal ponds
USE: **Temporary ponds**

Seasonal thermocline
BT: Thermocline
RT: Metalimnion
Seasonal variations
Tidal fronts

Seasonal thermocline (lakes)
USE: **Metalimnion**

Seasonal variability
USE: **Seasonal variations**

Seasonal variations
SN: Changes between successive seasons
UF: Seasonal changes
Seasonal variability
Within-year variations
BT: Periodic variations
RT: Annual variations
Horizontal distribution
Phenology
Regional variations
Seasonal distribution
Seasonal thermocline
Seasonality
Seasons
Vertical distribution

Seasonal water bodies
USE: **Intermittent water bodies**

Seasonality
SN: A pattern, variation, or fluctuation that is correlated

with a season, day of the week, or other period of time. Before 1982 search also SEASONAL VARIATIONS
UF: Seasonal patterns
BT: Periodicity
RT: Seasonal distribution
Seasonal variations
Seasons

Seasons

SN: Use of a more specific term is recommended
NT: Autumn
Cold season
Dry season
Rainy season
Spring
Summer
Winter
RT: Climate
Climatic zones
Climatology
Seasonal variations
Seasonality
Spawning seasons

Seawall wright effect
USE: **Genetic drift**

Seawater
USE: **Sea water**

Seawater ballast
USE: **Ballast**

Seawater conversion
USE: **Desalination**

Seawater evolution
UF: Evolution (seawater)
History of sea water
RT: Atmosphere evolution
Geochemistry
Sea water

Seaweed
USE: **Seaweeds**

Seaweed (artificial)
USE: **Artificial seaweed**

Seaweed culture
SN: Methods and techniques for culture and harvesting of seaweeds
UF: Seaweed farming
BT: Plant culture
RT: Algae
Brackishwater aquaculture
Marine aquaculture
Off-bottom culture
Seaweed industry
Seaweeds

Seaweed farming
USE: **Seaweed culture**

Seaweed harvesting

BT: Harvesting
RT: Seaweed industry
Seaweed processing
Seaweed products
Seaweed statistics
Seaweeds

Seaweed industry

SN: Including any industries of seaweed products obtained by handling or processing methods.
BT: Industries
NT: Seaweed processing
Seaweed products
RT: Seaweed culture
Seaweed harvesting

Seaweed meal

USE: **Alginates**

Seaweed processing

SN: Processing of marine plants and marine plant products
BT: Processing fishery products
Seaweed industry
RT: Seaweed harvesting
Seaweed products
Seaweeds

Seaweed products

BT: Processed fishery products
Seaweed industry
NT: Agar
Alginates
Carrageenins
RT: Seaweed harvesting
Seaweed processing
Seaweeds

Seaweed resources

USE: **Botanical resources**

Seaweed statistics

SN: Tabulation of harvested macro algae from natural beds or artificial culture
BT: Catch statistics
RT: Aquaculture statistics
Seaweed harvesting
Seaweeds

Seaweeds

SN: Any macro-algae of marine environment, mainly species of coastal region
UF: Seaweed
BT: Marine plants
Weeds
NT: Kelps
RT: Algae
Artificial seaweed
Holdfasts
Marine organisms
Sea grass
Seaweed culture

Seaweed harvesting
Seaweed processing
Seaweed products
Seaweed statistics
Terpenes

Secchi discs

BT: Light measuring instruments

Secondary production

BT: Biological production
RT: Predators
Primary production
Zooplankton

Secondary sedimentary structures

USE: **Sedimentary structures**

Secondary sex characteristics

USE: **Secondary sexual characters**

Secondary sexual characters

UF: Secondary sex characteristics
BT: Sex characters
NT: Ornamentation
RT: Feminization
Masculinization
Sexual dimorphism

Secondary waves

USE: **S-waves**

Secretion

NT: Lactation
Neurosecretion
RT: Byssus
Excretion
Hormones
Secretory organs
Secretory products

Secretory organs

NT: Glands
Stomach
RT: Secretion
Secretory products
Venom apparatus

Secretory products

NT: Hormones
Mucus
Semen
RT: Secretion
Secretory organs

Secular fluctuations

USE: **Long-term changes**

Security

SN: Use for national defence, and for protective measures for drilling platforms, fishing fleets etc. against terrorism and sabotage
UF: Defence
RT: Defence craft

Military operations
Piracy
Protection vessels
Surveillance and enforcement

Sedentary organisms

USE: **Sessile species**

Sedentary resources

USE: **Sedentary species**

Sedentary species

UF: Sedentary resources
BT: Species
RT: Migratory species
Sessile species

Sediment-water exchanges

RT: Gas exchange
Heat exchange
Heat flow
Sediment-water interface

Sediment-water interface

SN: Including chemical or physical phenomena occurring in the sediment-water interface
BT: Interfaces
RT: Bed forms
Benthic environment
Heat exchange
Heat flow
Hyporheic zone
Sediment-water exchanges
Sediment pollution
Sediment temperature
Sediments
Wave-seabed interaction

Sediment analysis

SN: Analysis of sediments for determination of organic and inorganic components including minerals
BT: Analysis
NT: Core analysis
RT: Chemical analysis
Gravimetric techniques
Hydrocarbon analysis
Pollution detection
Sediment chemistry
Sediment composition
Sediment density
Sediment pollution
Sediment properties
Sediment samplers
Sediment samples
Sediment structure
Sediment texture
Sediments

Sediment chemistry

BT: Geochemistry
RT: Biogeochemistry
Chemical properties
Mineralogy
Sediment analysis

Sediment sources

BT: Sediments
RT: Sediment fingerprinting

Sediment stability

BT: Sediment properties
Stability
RT: Sediment dynamics
Settlement (structural)
Slope stability
Soil mechanics

Sediment structure

SN: Description of adhesive and cementive properties of sediment and sediment permeability and porosity
BT: Sediment properties
RT: Sediment analysis
Sediment texture
Stratigraphy

Sediment temperature

SN: Gradient or temperature fluxes in sediments
UF: Beach temperature
BT: Sediment properties
Temperature
RT: Geothermal measurement
Heat flow
Sediment-water interface
Sediments
Water temperature

Sediment temperature measurement

USE: **Geothermal measurement**

Sediment texture

SN: Description of particle size of sediments
BT: Sediment properties
Texture
RT: Grain orientation
Grain packing
Grain shape
Grain size
Gravel
Sand
Sediment analysis
Sediment composition
Sediment structure
Sediments

Sediment transport

UF: Sand transport
Sediment transport rate
Subaqueous sediment transport
BT: Transport
NT: Eolian transport
Fluvial transport
Glacial transport
Longshore sediment transport
Mass gravity transport (sediments)
Rafting
RT: Bed load
Blackwater rivers

Bottom stress
Channel flow
Clearwater rivers
Coastal erosion
Mass movement
Particle motion
River plumes
Saltation
Sediment dynamics
Sediment fingerprinting
Sediment load
Sediment movement
Sedimentation
Sediments
Shoaling
Suspended load
Suspended particulate matter
Suspension
Tracers
Traction
Turbidity currents
Wave effects
Whitewater rivers

Sediment transport rate

USE: **Sediment transport**

Sediment traps

UF: Sand traps
RT: Collecting devices
Geological equipment
Particulate flux
Resuspended sediments
Sediment samplers
Silt meters
Suspended particulate matter

Sedimentary basins

BT: Basins
RT: Sedimentation
Structural basins

Sedimentary deposits

USE: **Sediments**

Sedimentary environments

UF: Depositional environments
BT: Environments
RT: Deltaic sedimentation
Estuarine sedimentation
Fluvial sedimentation
Glacial sedimentation
Lacustrine sedimentation
Lagoonal sedimentation
Nearshore sedimentation
Sediments
Shelf sedimentation

Sedimentary facies

BT: Facies

Sedimentary petrography

USE: **Petrology**

Sedimentary rocks

UF: Sediments (consolidates)
BT: Rocks

NT: Boulders
Cobblestone
Marlstone
Mudstone
Sandstone
Shale
Siltstone
RT: Carbonate rocks
Evaporites
Graywacke
Gypsum
Ironstone
Marl
Phosphate rocks
Sediments
Siliceous rocks
Slates
Tephra

Sedimentary structures

SN: Features that originate within layers of sediments or along the sediment-water interface prior to lithification
UF: Olistoliths
Primary sedimentary structures
Secondary sedimentary structures
NT: Bed forms
Bedding structures
Biogenic sedimentary structures
Boudinage
Flow structures
Mud flats
Pillow structures
Scour and fill
Slump structures
Turbidity current structures
RT: Concretions
Erosion features
Geological structures
Nodules
Olistostromes
Sedimentation
Sediments

Sedimentation

SN: Before 1983 search also **SEDIMENT DEPOSITION**
UF: Accumulation of sediments
Deposition (geology)
Freshwater sedimentation
Geological deposition
Marine sedimentation
Sediment deposition
NT: Deltaic sedimentation
Diagenesis
Estuarine sedimentation
Fluvial sedimentation
Glacial sedimentation
Intertidal sedimentation
Lacustrine sedimentation
Lagoonal sedimentation
Nearshore sedimentation
Pelagic sedimentation
Shelf sedimentation
RT: Accretion

Biofacies
Chemical precipitation
Decantation
Erosion
Provenance
Reef formation
Sediment transport
Sedimentary basins
Sedimentary structures
Sedimentology
Sediments
Silt
Siltation
Suspended particulate matter

Sedimentology

BT: Geology
RT: Diagenesis
Geomorphology
Marine geology
Mineralogy
Palaeontology
Sedimentation
Sediments

Sediments

SN: Use of a more specific term is recommended; consult terms listed below
UF: Sedimentary deposits
NT: Alluvial deposits
Anoxic sediments
Authigenic minerals
Biogenic deposits
Carbonate sediments
Chemical sediments
Clastics
Cohesionless sediments
Cohesive sediments
Littoral deposits
Oxic sediments
Pelagic sediments
Recent sediments
Relict sediments
Resuspended sediments
Sediment sources
Terrigenous sediments
Volcanogenic deposits
RT: Aggregates
Allochthonous deposits
Argillaceous deposits
Autochthonous deposits
Biological rafting
Bioturbation
Catagenesis
Cosmic dust
Detrital deposits
Hyporheic zone
Lithofacies
Melanges
Oozes
Petrology
Provenance
Salt deposits
Sediment-water interface
Sediment analysis
Sediment collections
Sediment density

Sediment distribution
Sediment mixing
Sediment movement
Sediment noise
Sediment sorting
Sediment temperature
Sediment texture
Sediment transport
Sedimentary environments
Sedimentary rocks
Sedimentary structures
Sedimentation
Sedimentology
Soils
Stratigraphic correlation
Tidal deposits

Sediments (consolidates)
USE: **Sedimentary rocks**

Sediments in suspension
USE: **Resuspended sediments**

Seed (aquaculture)

UF: Fish seed
RT: Fingerlings
Fry
Larvae
Seed collection
Seeding (aquaculture)
Spat

Seed collection

UF: Fish fry collection
Seed fishery
Seed fishing
Spat collection
Spore collection
RT: Fry
Hatcheries
Seed (aquaculture)
Seed production
Seeding (aquaculture)
Spores

Seed fishery
USE: **Seed collection**

Seed fishing
USE: **Seed collection**

Seed production

SN: Before 1982 search SEEDING (AQUACULTURE)
RT: Batch culture
Hatcheries
Seed collection
Seeding (aquaculture)

Seeding (aquaculture)

RT: Colonization
Seed (aquaculture)
Seed collection
Seed production
Stocking (organisms)
Transplantation

Seedlings

RT: Seeds

Seeds

RT: Germination
Seedlings

Seepages

SN: Use of a more specific term is recommended
UF: Seeps
NT: Gas seepages
Oil seepages
RT: Percolation
Pollution
Water springs

Seeps

USE: **Seepages**

Segregation

BT: Behaviour
RT: Activity patterns
Interspecific relationships
Intraspecific relationships

Seiches

UF: Surges (seiches)
BT: Surface water waves
NT: Harbour oscillations
RT: Dynamical oceanography
Lake dynamics
Standing waves
Surface gravity waves
Surges

Seine nets

BT: Fishing nets
NT: Beach seines
Boat seines
RT: Seiners
Seining

Seiners

SN: Any type of vessel used in seining or encircling operations
UF: Purse seiners
BT: Fishing vessels
RT: Purse seines
Seine nets
Seining
Surrounding nets

Seining

BT: Net fishing
NT: Purse seining
RT: Seine nets
Seiners
Surrounding nets

Seismic activity

SN: General phenomena of earth movement and effects on aquatic environment and its exploitation. Before 1983 search also SEISMIC EFFECTS and SEISMICITY

UF: Seismic effects
Seismicity
RT: Earthquake loading
Earthquakes
Environmental factors
Ground motion
Seismic waves
Seismic zones
Seismology

Seismic arrays

BT: Arrays
RT: Acoustic arrays
Seismic energy sources
Seismic equipment

Seismic attenuation

SN: Seismic wave attenuation
BT: Attenuation
RT: Seismic waves

Seismic data

BT: Geophysical data
RT: Seismic data processing

Seismic data processing

BT: Data processing
NT: Bright spot technology
RT: Convolution
Data reduction
Deconvolution
Seismic data

Seismic deconvolution

USE: **Deconvolution**

Seismic discontinuities

NT: Moho
RT: Seismic layers
Seismic velocities

Seismic effects

USE: **Seismic activity**

Seismic energy sources

NT: Air guns
Sparkers
RT: Seismic arrays
Seismic equipment
Seismic exploration
Sound generators

Seismic epicentres

USE: **Epicentres**

Seismic equipment

BT: Geophysical equipment
RT: Seismic arrays
Seismic energy sources
Seismic exploration
Seismometers
Sonobuoys
Streamers

Seismic events

USE: **Earthquakes**

Seismic exploration

SN: Before 1983 search also
SEISMIC PROFILING
UF: Seismic methods
Seismic profiling
BT: Geophysical exploration
NT: Seismic reflection profiling
Seismic refraction profiling
Sub-bottom profiling
RT: Geological surveys
Seismic energy sources
Seismic equipment
Seismic profiles
Seismology

Seismic layers

BT: Earth structure
Layers
NT: Low-velocity layer
RT: Seismic discontinuities
Seismic velocities

Seismic margins

USE: **Active margins**

Seismic methods

USE: **Seismic exploration**

Seismic profiles

UF: Seismic sections
BT: Analog records
NT: Seismic reflection profiles
Seismic refraction profiles
RT: Bright spot technology
Geological sections
Seismic exploration
Seismic stratigraphy
Vertical sections

Seismic profiling

USE: **Seismic exploration**

Seismic propagation

UF: Seismic wave propagation
RT: Ray paths
Seismic reflection
Seismic refraction
Seismic scattering
Seismic waves

Seismic ray path

USE: **Ray paths**

Seismic records

USE: **Seismograms**

Seismic reflection

UF: Seismic wave reflection
BT: Reflection
RT: Seismic propagation
Seismic reflection profiles
Seismic reflection profiling
Seismic scattering
Seismic waves

Seismic reflection method

USE: **Seismic reflection profiling**

Seismic reflection profiles

BT: Seismic profiles
RT: Seismic reflection
Seismic reflection profiling

Seismic reflection profiling

UF: Seismic reflection method
BT: Profiling
Seismic exploration
RT: Seismic reflection
Seismic reflection profiles
Sub-bottom profiling

Seismic refraction

UF: Seismic wave refraction
BT: Refraction
RT: Seismic propagation
Seismic refraction profiles
Seismic refraction profiling
Seismic scattering

Seismic refraction method

USE: **Seismic refraction profiling**

Seismic refraction profiles

BT: Seismic profiles
RT: Seismic refraction
Seismic refraction profiling
Seismic stratigraphy

Seismic refraction profiling

UF: Seismic refraction method
BT: Profiling
Seismic exploration
RT: Seismic refraction
Seismic refraction profiles

Seismic ridges

BT: Submarine ridges
RT: Aseismic ridges
Mid-ocean ridges

Seismic scattering

RT: Seismic propagation
Seismic reflection
Seismic refraction

Seismic sea waves

USE: **Tsunamis**

Seismic sections

USE: **Seismic profiles**

Seismic stratigraphy

UF: Acoustic stratigraphy
BT: Stratigraphy
RT: Seismic profiles
Seismic refraction profiles

Seismic tomography

BT: Stratigraphy

Seismic velocities

UF: Wave velocity (seismic)
BT: Velocity

NT: Compressional wave velocities
Shear wave velocities
RT: Low-velocity layer
Moho
Seismic discontinuities
Seismic layers
Seismic waves

Seismic wave propagation
USE: **Seismic propagation**

Seismic wave reflection
USE: **Seismic reflection**

Seismic wave refraction
USE: **Seismic refraction**

Seismic waves

UF: Earth waves
Earthquake waves
Long-period seismic waves
Waves (seismic)
BT: Elastic waves
NT: Body waves
Microseisms
Surface seismic waves
RT: Ray paths
Seismic activity
Seismic attenuation
Seismic propagation
Seismic reflection
Seismic velocities
Seismograms
Seismology
Wave properties

Seismic zones

BT: Earth structure
RT: Aseismic zones
Benioff zone
Seismic activity

Seismicity
USE: **Seismic activity**

Seismograms

UF: Seismic records
BT: Analog records
RT: Seismic waves
Seismometers

Seismographs
USE: **Seismometers**

Seismology

BT: Geophysics
RT: Earthquakes
Epicentres
Geomorphology
Ground motion
Seismic activity
Seismic exploration
Seismic waves
Seismometers
Tiltmeters

Seismometers

UF: Geophones
Seismographs
Strain seismometers
BT: Measuring devices
NT: Ocean bottom seismometers
RT: Accelerometers
Seismic equipment
Seismograms
Seismology

Selected ships

SN: Merchant vessels equipped to make basic meteorological and oceanographic observations
UF: Ships of opportunity
BT: Merchant ships
RT: Weather ships

Selection (biological)
USE: **Bioselection**

Selective breeding

BT: Breeding
RT: Aquaculture techniques
Domestic species
Feminization
Genetics
Gynogenesis
Hybrid culture
Hybrids
Intensive culture
Masculinization
Plant strains

Selective feeding

BT: Artificial feeding

Selenium

BT: Heavy metals
RT: Selenium compounds
Selenium isotopes

Selenium compounds

BT: Chemical compounds
RT: Selenium

Selenium isotopes

BT: Isotopes
RT: Selenium

Self-propelled vehicles

BT: Underwater vehicles
NT: Untethered vehicles
RT: Free-swimming vehicles
Seabed vehicles
Submersibles

Self fertilization

BT: Hermaphroditism
RT: Animal reproductive organs
Protandry
Sexual reproduction

Self pollination
USE: **Pollination**

Self purification

SN: Natural self purification of waters, sediments, organisms etc.
UF: Depuration
Pollution self-control
RT: Aeration
Aerobic bacteria
Biochemical oxygen demand
Water purification

Semen

BT: Secretory products
RT: Sperm

Semi-enclosed seas

BT: Marginal seas
RT: Embankments
Shelf seas

Semidiurnal tides

UF: Lunar semidiurnal tides
Solar semidiurnal tides
BT: Tides

Seminars

USE: **Conferences**

Semisubmersible platforms

SN: Towed or self-propelled structures partially submerged by flooding. Before 1982 search SEMISUBMERSIBLES
UF: Semisubmersibles (drilling platforms)
BT: Mobile platforms
RT: Anchoring
Submersible platforms

Semisubmersibles (drilling platforms)

USE: **Semisubmersible platforms**

Senescence

USE: **Biological aging**

Sense functions

NT: Audition
Hunger
Olfaction
Photoreception
Tactile functions
Taste functions
Vision
RT: Antennae
Chemoreception
Neurophysiology
Orientation behaviour
Sense organs
Stimuli

Sense organs

BT: Animal organs
NT: Auditory organs
Balance organs
Chemoreceptors
Lateral line

Mechanoreceptors
Olfactory organs
Photoreceptors
Sense tentacles
Tactile organs
Taste organs
RT: Central nervous system
Nervous tissues
Neurophysiology
Peripheral nervous system
Receptors
Sense functions

Sense tentacles

BT: Sense organs
Tentacles

Sensible heat

BT: Heat
RT: Heat conduction
Sensible heat transfer

Sensible heat flux

USE: **Sensible heat transfer**

Sensible heat transfer

SN: Sensible heat flux across air-water interface and air-ice interface
UF: Sensible heat flux
BT: Heat exchange
RT: Bowen ratio
Sensible heat

Sensors

UF: Probes (instruments)
Probes (sensors)
BT: Equipment
NT: Conductivity sensors
Current sensors
pH sensors
Pressure sensors
Towed sensors
Wave direction sensors
RT: Electronic equipment
Measuring devices
Oceanographic equipment
Radiometers
Recording equipment
Remote sensing equipment
Streamers
Test equipment

Sensory receptors

USE: **Receptors**

Separation

NT: Centrifugation
Chemical extraction
Chemical precipitation
Decantation
Desiccation
Gas oil separation
Gas water separation
Oil water separation
RT: Adsorption
Aeration

Animal oil extraction
Dehydration
Desalination
Diffusion
Dispersion
Drying
Electrophoresis
Gas processing
Separation processes
Turbulent entrainment
Water purification

Separation processes

SN: Before 1982 search also
SEPARATION
NT: Demineralization
Dialysis
Dissolution
Distillation
Ion exchange
Leaching
Osmosis
Solvent extraction
RT: Oil treating
Separation

Septicaemia

UF: Bacterial haemorrhagic septicaemia
Septicemia
Viral haemorrhagic septicaemia
BT: Infectious diseases
RT: Fish diseases
Haematological diseases
Viral diseases

Septicemia

USE: **Septicaemia**

Sequence analysis

USE: **Sequencing**

Sequence stratigraphy

BT: Stratigraphy

Sequencing

SN: In genetics and biochemistry, to determine the primary structure of an unbranched biopolymer (e.g. DNA, RNA, Protein, Polysaccharide sequencing)
UF: Sequence analysis
BT: Genetic techniques
NT: DNA sequencing
Protein sequencing
RNA sequencing
RT: Biochemistry
DNA
Genetics
Nucleotide sequence
Proteins
RNA

Serine

BT: Amino acids

Serological studies

UF: Serology
RT: Antigens
Blood
Electrophoresis
Haematology
Immunology
Proteins
Serological taxonomy
Serum

Serological taxonomy

BT: Taxonomy
RT: Electrophoresis
Proteins
Serological studies
Serum

Serology

USE: **Serological studies**

Serpentine

BT: Metamorphic rocks
RT: Serpentinization

Serpentinization

USE: **Serpentinization**

Serpentinization

SN: Geological metamorphic process involving heat and water in which low-silica mafic and ultramafic rocks are oxidized and hydrolyzed with water into serpentine
UF: Serpentinization
RT: Hydrothermal alteration
Metasomatism
Serpentine

Serum

BT: Body fluids
NT: Antibodies
RT: Haematology
Serological studies
Serological taxonomy

Serum albumins

USE: **Albumins**

Serum globulins

USE: **Globulins**

Sessile organisms

USE: **Sessile species**

Sessile species

UF: Sedentary organisms
Sessile organisms
BT: Species
RT: Benthos
Sedentary species
Substrata

Seston

BT: Aquatic communities
RT: Plankton
Suspended particulate matter

Set lines

USE: **Lines**

Set nets

USE: **Gillnets**

Setae

SN: Slender, usually rigid bristles or hairs

RT: Hair

Settlement (biological)

USE: **Biological settlement**

Settlement (larvae)

USE: **Larval settlement**

Settlement (structural)

UF: Structural settlement

RT: Compaction

Failures

Foundations

Geological hazards

Sediment stability

Soil mechanics

Structural engineering

Structures

Settling behaviour

BT: Behaviour

RT: Algal settlements

Artificial substrata

Biological settlement

Colonization

Larval settlement

Substrata

Settling rate

UF: Settling velocity

Sinking rate

BT: Velocity

RT: Particle motion

Particle settling

Particulate flux

Stokes law

Settling velocity

USE: **Settling rate**

Setup (wind)

USE: **Wind setup**

Sewage

SN: Before 1982 search also SEWAGE EFFLUENTS

UF: Sewage effluents

BT: Wastes

RT: Coliforms

Domestic wastes

Drainage water

Effluents

Faeces

Industrial wastes

Organic wastes

Outfalls

Pharmaceutical pollution

Sewage disposal

Sewage ponds

Sewage treatment

Sludge

Waste water

Sewage disposal

UF: Sewage sludge disposal

BT: Waste disposal

RT: Faecal pollution

Pharmaceutical pollution

Sanitary engineering

Sewage

Sewage ponds

Sewage treatment

Urban watersheds

Sewage effluents

USE: **Sewage**

Sewage outfalls

USE: **Outfalls**

Sewage oxidation ponds

USE: **Sewage ponds**

Sewage ponds

UF: Oxidation lagoons

Sewage oxidation ponds

BT: Ponds

RT: Sanitary engineering

Sewage

Sewage disposal

Sewage treatment

Sludge

Waste disposal

Sewage sludge disposal

USE: **Sewage disposal**

Sewage tanks

USE: **Sewage treatment**

Sewage treatment

UF: Sewage tanks

BT: Waste treatment

NT: Bioaeration

RT: Aeration

Biodegradation

Biological treatment

Chemical degradation

Chlorination

Dechlorination

Flocculation

Pharmaceutical pollution

Sanitary engineering

Sewage

Sewage disposal

Sewage ponds

Sludge treatment

Wastewater treatment

Water filtration

Sewersheds

USE: **Urban watersheds**

Sex

RT: Gender

Sex characters

Sex determination

Sex hormones

Sex ratio

Sex reversal

Sexual behaviour

Sexual reproduction

Sexual selection

Sex characteristics

USE: **Sex characters**

Sex characters

UF: Sex characteristics

Sex differences

Sexual differences

NT: Secondary sexual characters

RT: Animal reproductive organs

Masculinization

Oestrogen

Sex

Testosterone

Sex composition

USE: **Sex ratio**

Sex determination

SN: Physiological mechanisms determining sex

RT: Chromosomes

Feminization

Hermaphroditism

Masculinization

Oestrogen

Sex

Sex hormones

Sex reversal

Sexual dimorphism

Testosterone

Sex differences

USE: **Sex characters**

Sex dimorphism

USE: **Sexual dimorphism**

Sex hormones

SN: Any hormone having a morphological or physiological effect upon the reproductive organs, secondary sex characters or sexual behaviour

UF: Androgens

Gonad hormones

Gonadotropic hormones

BT: Hormones

NT: Oestrogen

Testosterone

RT: Feminization

Masculinization

Sex

Sex determination

Sexual behaviour

Sex ratio

UF: Sex composition
BT: Population structure
RT: Sex

Sex reversal

RT: Animal reproductive organs
Feminization
Masculinization
Sex
Sex determination

Sexual behaviour

BT: Behaviour
RT: Ornamentation
Reproductive behaviour
Sex
Sex hormones
Sexual reproduction

Sexual cells

BT: Cells
NT: Eggs
Gametes
Sperm
RT: Biological fertilization
Genomes
Oogenesis
Polyspermy
Sexual reproduction
Zygotes

Sexual differences

USE: **Sex characters**

Sexual dimorphism

UF: Dimorphism (sexual)
Sex dimorphism
RT: Biopolymorphism
Organism morphology
Secondary sexual characters
Sex determination
Sexual maturity
Sexual selection

Sexual glands

USE: **Animal reproductive organs**

Sexual isolation

UF: Isolation (sexual)
Reproductive isolation
BT: Isolating mechanisms
RT: Breeding seasons
Sexual selection

Sexual maturity

UF: Maturation
BT: Biological properties
RT: Adults
Breeding
Fecundity
Gametogenesis
Gonadosomatic index
Immunocontraception
Life cycle
Ovulation

Sexual dimorphism
Sexual reproduction
Spermatophores

Sexual reproduction

SN: Natural or artificial sexual reproduction
BT: Reproduction
NT: Biological fertilization
Gynogenesis
Parturition
RT: Animal reproductive organs
Breeding
Conjugation
Immunocontraception
Oviparity
Ovoviviparity
Ovulation
Pollination
Polyspermy
Pregnancy
Self fertilization
Sex
Sexual behaviour
Sexual cells
Sexual maturity
Spawning
Spermatophores
Viviparity

Sexual selection

BT: Bioselection
RT: Ornamentation
Sex
Sexual dimorphism
Sexual isolation

Shading

SN: Provision of shade, e.g. by plant cover
RT: Canopies
Plant utilization

Shale

BT: Clastics
Sedimentary rocks
NT: Oil shale
RT: Lutites

Shallow-sea fronts

USE: **Tidal fronts**

Shallow water

BT: Water
RT: Continental shelves
Deep water
Lagoons
Littoral zone
Marshes
Reefs
Shallow water tides
Shallow water waves
Shelf dynamics
Shelf seas
Shoals
Surface water
Swamps

Water depth
Wave refraction

Shallow water dynamics

USE: **Shelf dynamics**

Shallow water tides

BT: Tides
RT: Estuarine tides
Shallow water
Tide-surge interaction

Shallow water waves

UF: Long-period water waves
Long-period waves
Long gravity waves
Long waves
BT: Water waves
NT: Cnoidal waves
Solitary waves
Tidal bores
RT: Nonlinear waves
Shallow water
Storm surges
Tidal waves
Tsunamis
Wave scouring

Shape

UF: Configuration
NT: Grain shape
RT: Contours
Deformation
Dimensions
Morphometry
Size

Shaped charges

BT: Explosives

Shared fishery resources

USE: **Shared stocks**

Shared resources

USE: **Common property resources**

Shared stocks

SN: Stocks of associated species occurring within the EEZ of two or more coastal states
UF: Shared fishery resources
Transboundary stocks
BT: Stocks
RT: Allocation systems
Exclusive economic zone
United Nations Fish Stock Agreement

Shark attacks

BT: Diving hazards

Shark fisheries

UF: Chimaeras fisheries
Rays fisheries
Skates fisheries
BT: Finfish fisheries

Shark repellents
USE: **Fish repellents**

Shark utilization
BT: Fish utilization

Shear
NT: Current shear
Vertical shear
Wind shear
RT: Dynamic viscosity
Shear flow
Shear modulus
Shear strength
Shear stress

Shear flow
BT: Fluid flow
NT: Stratified shear flow
Turbulent shear flow
RT: Dynamic viscosity
Mixing length
Richardson number
Shear
Wave interactions

Shear flow instability
USE: **Kelvin-Helmholtz instability**

Shear instability
USE: **Kelvin-Helmholtz instability**

Shear modulus
UF: Rigidity modulus
BT: Elastic constants
RT: Bulk modulus
Elasticity
Shear

Shear probes
USE: **Profilers**

Shear strength
BT: Strength
RT: Bearing capacity
Cohesive sediments
Pore pressure
Shear
Slope stability
Strain
Stress (mechanics)
Tensile strength
Vane devices
Vane shear testing

Shear stress
UF: Shearing stress
Tangential stresses
BT: Stress (mechanics)
RT: Bottom stress
Couette flow
Dynamic viscosity
Reynolds stresses
Shear

Torque
Wind stress

Shear wave velocities
BT: Seismic velocities
RT: S-waves

Shear waves
USE: **S-waves**

Shear zone
RT: Fault zones

Shearing stress
USE: **Shear stress**

Shelf break fronts
USE: **Shelf edge fronts**

Shelf circulation
USE: **Shelf dynamics**

Shelf currents
BT: Water currents
RT: Ocean currents
Shelf dynamics
Shelf waves

Shelf dynamics
UF: Coastal circulation
Shallow water dynamics
Shelf circulation
BT: Water circulation
NT: Bay dynamics
Estuarine dynamics
Fjord dynamics
Nearshore dynamics
Shelf edge dynamics
RT: Coastal countercurrents
Coastal jets
Coastal oceanography
Coastal upwelling
Coastal waters
Continental shelves
Dynamical oceanography
Shallow water
Shelf edge fronts
Shelf currents
Shelf edge fronts
Shelf seas
Shelf waves
Tidal mixing

Shelf edge
UF: Continental shelf break
Continental shelf edge
BT: Submarine features
RT: Continental shelves
Continental slope
Shelf edge fronts
Shelf edge dynamics
Shelf edge fronts
Shelf seas

Shelf edge dynamics
BT: Shelf dynamics
RT: Shelf edge

Slope processes

Shelf edge fronts
SN: Formed at the edge of continental shelves
UF: Shelf break fronts
BT: Coastal fronts
RT: Continental shelves
Shelf dynamics
Shelf edge

Shelf facies
BT: Facies
RT: Shelf seas
Shelf sedimentation

Shelf fronts
USE: **Tidal fronts**

Shelf geology
BT: Marine geology
RT: Bed load
Continental shelves
Shelf seas
Shelf sedimentation

Shelf life
USE: **Storage life**

Shelf seas
BT: Marginal seas
RT: Bottom currents
Continental shelves
Semi-enclosed seas
Shallow water
Shelf dynamics
Shelf edge
Shelf facies
Shelf geology
Shelf sedimentation

Shelf sedimentation
BT: Sedimentation
RT: Bed load
Continental shelves
Sedimentary environments
Shelf facies
Shelf geology
Shelf seas
Tidal deposits

Shelf waves
BT: Trapped waves
RT: Shelf currents
Shelf dynamics

Shellfish
SN: Common category which includes shelled molluscs, crustaceans and echinoderms especially those used as human food
BT: Aquatic invertebrates
RT: Allergens
Aquatic animals
Aquatic crustaceans
Aquatic mollusks

Brackishwater crustaceans
Brackishwater molluscs
Fish
Freshwater crustaceans
Freshwater molluscs
Marine crustaceans
Marine molluscs
Seafood
Shellfish catch statistics
Shellfish culture
Shells

Shellfish catch statistics

SN: Catch tabulation in number or weight of shellfish species
BT: Catch statistics
RT: By catch
Shellfish
Shellfish fisheries

Shellfish culture

BT: Cultures
NT: Crustacean culture
Mollusc culture
RT: Aquaculture
Bottom culture
Brackishwater aquaculture
Freshwater aquaculture
Intensive culture
Marine aquaculture
Off-bottom culture
Shellfish
Shellfish fisheries
Thermal aquaculture

Shellfish diseases
USE: **Fish diseases**

Shellfish fisheries

BT: Fisheries
NT: Crustacean fisheries
Echinoderm fisheries
Mollusc fisheries
RT: Marine fisheries
Shellfish catch statistics
Shellfish culture

Shellfish nutrition
USE: **Animal nutrition**

Shellfish poisoning (catching method)
USE: **Fish poisoning**

Shellfish poisoning (diarrhetic)
USE: **Diarrhetic shellfish poisoning**

Shellfish poisoning (paralytic)
USE: **Paralytic shellfish poisoning**

Shells

SN: Description and composition of exoskeletons of different shellfish species and their use as commercial products

UF: Seashells
BT: Animal products
RT: Calcification
Conchology
Decalcification
Exoskeleton
Malacology
Mantle
Oozes
Shellfish

Sheltered environments
USE: **Sheltered habitats**

Sheltered habitats

UF: Sheltered environments
BT: Habitat
RT: Ecological zonation
Exposed habitats
Exposure tolerance
Shelters

Shelters

SN: Natural or artificial underwater shelters made for improvement of the habitat or for fishing purposes
UF: Artificial shelters
Underwater shelters
RT: Artificial reefs
Artificial spawning grounds
Habitat improvement (physical)
Sheltered habitats

Shingle

BT: Clastics
RT: Beach ridges
Pebbles

Shingle beaches
USE: **Beaches**

Ship anchors
USE: **Anchors**

Ship ballast water
USE: **Ballast**

Ship behaviour
USE: **Ship motion**

Ship building
USE: **Ship technology**

Ship canals

UF: Navigation canals
BT: Canals
RT: Harbours
Interocean canals
Navigational channels
Shipping

Ship conversion

RT: Drydocks
Ship design
Ship performance
Ship technology

Ships
Shipyards

Ship design

BT: Design
RT: New vessels
Ship conversion
Ship hulls
Ship models
Ship performance
Ship technology

Ship drift

UF: Drift (ships)
BT: Drift
RT: Dead reckoning
Lagrangian current measurement
Station keeping

Ship fittings

USE: **Shipboard equipment**

Ship handling

BT: Handling
RT: Manoeuvrability
Navigation
Seamanship

Ship hulls

BT: Hulls
RT: Catamarans
Ship design
Ship technology

Ship losses

RT: Capsizing
Collisions
Fire
Groundings
Wrecks

Ship models

BT: Scale models
RT: Ship design
Ship technology
Ships

Ship mooring systems

SN: To include systems for fixed and mobile platforms
BT: Mooring systems
NT: Single point moorings
RT: Berthing
Fenders
Positioning systems
Ships

Ship motion

UF: Seakeeping
Ship behaviour
BT: Motion
NT: Capsizing
Heaving
Pitching
Righting
Rolling

Surging
Swaying
Yawing
RT: Buoy motion
Sea sickness
Ship stability
Ship technology
Ships
Stabilizers
Wakes
Wave action
Wave damping
Wave effects
Wave forces

Ship performance

RT: Ship conversion
Ship design
Ship speed
Ship stability
Ship technology
Ships

Ship routeing

UF: Weather routeing
NT: Ice routeing
RT: Navigation
Wave forecasting
Weather forecasting

Ship speed

BT: Velocity
RT: Ship performance
Wakes

Ship stability

BT: Stability
RT: Capsizing
Righting
Ship motion
Ship performance
Ship technology
Ships
Stabilizers

Ship technology

SN: Restrict use to publications concerned with general aspects of the design and construction of vessels and propulsion systems. Before 1982 search
SHIPBUILDING, MARINE ENGINEERING and NAVAL ARCHITECTURE
UF: Boat building
Marine engineering
Naval architecture
Naval engineering
Naval technology
Ship building
Shipbuilding
BT: Technology
RT: Drydocks
New vessels
Propulsion systems
Ship conversion
Ship design

Ship hulls
Ship models
Ship motion
Ship performance
Ship stability
Ships
Shipyards
Steering systems
Towed body design
Underwater vehicles

Ship wastes

USE: **Vessel wastes**

Shipboard analysis

SN: Use for analysis aboard research vessels
BT: Water analysis

Shipboard computers

USE: **Computers**

Shipboard equipment

UF: Marine fittings
Ship fittings
BT: Equipment
RT: Diesel engines
Propulsion systems
Thrusters

Shipborne wave recorders

USE: **Wave recorders**

Shipbuilding

USE: **Ship technology**

Shipping

SN: Use only as a collective term in the context of transportation, navigation, traffic on high seas, trade, commerce, maritime law, etc.
RT: Cargo handling
Cargoes
Marine transportation
Navigation regulations
Port operations
Ship canals
Shipping lanes
Ships
Traffic management

Shipping lanes

SN: Routes used by merchant vessels
RT: Marine transportation
Shipping
Traffic management

Shipping noise

BT: Ambient noise
RT: Surface noise

Shipping rules

USE: **Navigation regulations**

Ships

SN: Use of a more specific term is

recommended. See also
SURFACE CRAFT

BT: Surface craft

NT: Cable ships

Ice breakers

Lightships

Merchant ships

Sailing ships

Supply boats

Support ships

Tugs

Weather ships

RT: Ship conversion

Ship models

Ship mooring systems

Ship motion

Ship performance

Ship stability

Ship technology

Shipping

Shipyards

Ships logbooks

USE: **Logbooks**

Ships of opportunity

USE: **Selected ships**

Shipyards

RT: Antifouling substances
Corrosion control
Drydocks
Maintenance and repair
New vessels
Pollution sources
Ship conversion
Ship technology
Ships

Shoaling

RT: Beach cusps
Sediment transport
Shoals
Waves on beaches

Shoaling waves

RT: Beach cusps
Breaking waves
Rollers
Shoals
Waves on beaches

Shoals

SN: Submerged ridges, banks, bars and reefs constituting a danger for navigation
UF: Reefs (navigational hazard)
BT: Submarine features
RT: Groundings
Navigational hazards
Reefs
Sand banks
Sand bars
Shallow water
Shoaling
Shoaling waves
Submarine banks

Shoots

BT: Plant organs

Shore protection

UF: Coast protection

Protection (coastal)

BT: Coastal zone management

Environmental protection

RT: Beach erosion

Coast defences

Coastal engineering

Coastal erosion

Coastal structures

Lake reclamation

Shore stations

USE: **Inshore stations**

Shore whaling

USE: **Artisanal whaling**

Shoreline erosion

USE: **Coastal erosion**

Shoreline features

USE: **Coastal landforms**

Shorelines

USE: **Coasts**
Short-crested waves

BT: Surface water waves

RT: Directional spectra

Long-crested waves

Wave crests

Wave direction

Short-term changes

BT: Temporal variations

RT: Long-term changes

Prediction

Short-term records

Short-term planning

BT: Planning

RT: Long-term planning

Short-term records

BT: Records

RT: Short-term changes

Short wave-long wave interactions

UF: Long wave-short wave interactions

BT: Wave-wave interaction

RT: Surface water waves

Short wave radiation

USE: **Solar radiation**
Shrimp culture

SN: Before 1982 search

CRUSTACEAN CULTURE

UF: Marine shrimp culture

Saltwater shrimp culture

Shrimp farming

BT: Crustacean culture

RT: Mass culture

Polyculture

Pond culture

Shrimp farming

USE: **Shrimp culture**
Shrimp fisheries

UF: Cangronid fisheries

Caridean shrimp fisheries

Non penaeid shrimp fisheries

Palaemonid fisheries

Pandalid fisheries

Penaeid shrimp fisheries

Prawn fisheries

BT: Crustacean fisheries

RT: Lagoon fisheries

Shrimp spoilage

Shrimp nutrition

USE: **Animal nutrition**
Shrimp spoilage

RT: Fish spoilage

Processing fishery products

Quality control

Shrimp fisheries

Sial

UF: Granitic layer

BT: Earth crust

RT: Continental crust

Sima

Sibling species

BT: Species

RT: Evolution

Genetics

Sickness

USE: **Human diseases**

Side fillets

USE: **Fish fillets**
Side scan sonar

BT: Active sonar

RT: Gloria

Sonographs

Siderite

BT: Carbonate minerals

Sigma-T

BT: Water density

RT: Atmospheric pressure

In situ density

In situ temperature

Potential density

Salinity

Signal-to-noise ratio

BT: Ratios

RT: Attenuation

Electronic noise

Signal processing

BT: Data processing

RT: Fourier analysis

Spectral analysis

Telemetry

Significant wave height

BT: Wave height

RT: Significant waves

Wave forecasting

Significant waves

BT: Surface water waves

RT: Significant wave height

Wave height

Wave period

Silage from fish

USE: **Fish silage**
Silica

UF: Silicon dioxide

BT: Silicon compounds

RT: Cherts

Cristobalite

Siliceous ooze

Tholeiite

Silicate minerals

BT: Minerals

NT: Amphiboles

Andalusite

Clay minerals

Feldspars

Garnet

Kyanite

Micas

Olivine

Opal

Pyroxenes

Quartz

Quartzite

Titanite

Tourmaline

Zeolites

Zircon

RT: Silicates

Silicates

BT: Silicon compounds

NT: Iron silicates

Magnesium silicates

RT: Non-conservative properties

Nutrients (mineral)

Sand

Silicate minerals

Silicic acid

Silicon

Siliceous ooze

UF: Ooze (siliceous)

BT: Oozes

NT: Diatom ooze

Radiolarian ooze

RT: Silica

Siliceous sediments

Siliceous rocks

BT: Rocks
NT: Cherts
Diatomites
Porcellanite
Radiolarite
RT: Sandstone
Sedimentary rocks
Siliceous sediments

Siliceous sediments

BT: Biogenic deposits
RT: Chemical sediments
Pelagic sediments
Siliceous ooze
Siliceous rocks

Silicic acid

BT: Inorganic acids
RT: Silicates
Silicon compounds

Silicification

RT: Chertification
Diagenesis
Metasomatism

Silicon

BT: Nonmetals
RT: Silicates
Silicon compounds
Silicon cycle
Silicon isotopes

Silicon compounds

BT: Chemical compounds
NT: Silica
Silicates
RT: Aluminium compounds
Silicic acid
Silicon
Silicon cycle

Silicon cycle

BT: Nutrient cycles
RT: Silicon
Silicon compounds

Silicon dioxide

USE: **Silica**

Silicon isotopes

BT: Isotopes
RT: Silicon

Sill depth

BT: Depth
RT: Fjords
Sills

Sills

BT: Submarine features
RT: Fjords
Sill depth
Submarine ridges

Silo culture

BT: Aquaculture techniques
RT: Fish culture
Intensive culture

Silt

BT: Clastics
RT: Cohesionless sediments
Lutites
Mud
Sand
Silt meters
Siltting
Siltstone

Silt meters

RT: Sediment traps
Silt

Siltation

USE: **Siltting**

Siltting

UF: Siltation
RT: Sedimentation
Silt

Siltstone

BT: Clastics
Sedimentary rocks
RT: Lutites
Mudstone
Silt
Slates

Silurian

SN: Before 1982 search
SILURIAN PERIOD
BT: Palaeozoic

Silver

BT: Heavy metals
Transition elements
RT: Ferromanganese nodules
Metalliferous sediments
Silver compounds
Silver isotopes

Silver compounds

BT: Chemical compounds
RT: Silver

Silver isotopes

BT: Isotopes
RT: Silver

Sima

UF: Basaltic layer
BT: Earth crust
RT: Oceanic crust
Sial

Similarity index

USE: **Species diversity**

Simulation

RT: Game theory

Geostatistics

Modelling
Operations research
Prediction
Simulators
System analysis

Simulators

RT: Models
Simulation
Training aids

Single anchor leg mooring

USE: **Single point moorings**

Single cell culture

USE: **Phytoplankton culture**

Single cell proteins

UF: ASCP
SCP
BT: Proteins
RT: Bacteria
Yeasts

Single point moorings

SN: Restricted to ships
UF: Single anchor leg mooring
BT: Ship mooring systems
RT: Articulated columns
Loading buoys

Sinking

RT: Collisions
Suspended particulate matter

Sinking rate

USE: **Settling rate**

Sinusoidal waves

USE: **Linear waves**

Site evaluation

USE: **Site selection**

Site exploration

USE: **Site surveys**

Site investigation

USE: **Site surveys**

Site selection

SN: Site selection and evaluation
for aquaculture purposes, siting
of power plants, fishing
harbours etc.
UF: Aquaculture sites
Site evaluation
BT: Evaluation
RT: Site surveys

Site surveys

SN: Before 1986 search also SITE
INVESTIGATION
UF: Site exploration
Site investigation
BT: Surveys

RT: Geological surveys
Geophysical surveys
Hydrographic surveys
Oceanographic surveys
Site selection
Surveying underwater

Sitosterols
USE: **Sterols**

Size
BT: Dimensions
NT: Grain size
Particle size
RT: Area
Capacity
Shape
Size distribution
Volume

Size-at-age
SN: Length or weight at a particular age
BT: Population structure

Size-at-first-maturity
SN: Length or weight of the fish when it attains maturity
BT: Population structure

Size-limit regulations
BT: Fishery regulations
RT: Mesh regulations

Size-weight relationships
USE: **Length-weight relationships**

Size composition
USE: **Size distribution**

Size distribution
SN: Length and weight frequencies
UF: Size composition
BT: Population structure
RT: Age composition
Length-weight relationships
Size

Size grading (organisms)
SN: Before 2016 search
GRADING + SIZE
BT: Biological grading

Size selectivity
USE: **Mesh selectivity**

Skates fisheries
USE: **Shark fisheries**

Skeleton
BT: Anatomical structures
Musculoskeletal system
NT: Endoskeleton
Exoskeleton
RT: Cartilage
Osteology

Skewness
RT: Coefficients
Kurtosis
Statistical analysis

Skid mounted units
USE: **Modules**

Skimmers (oil removal)
USE: **Oil removal**

Skin
UF: Ectoderm
Epidermis
NT: Fish skin
RT: Body walls
Epithelia

Skin diving
USE: **Scuba diving**

Skin temperature
USE: **Surface radiation temperature**

Skipjack tuna fisheries
USE: **Tuna fisheries**

Skull
BT: Bones
RT: Brain
Head
Otoliths

Sky radiation
USE: **Solar radiation**

Slamming
USE: **Wave forces**

Slates
RT: Argillaceous deposits
Chlorite
Metamorphic rocks
Micas
Mudstone
Sedimentary rocks
Siltstone

Slaughter
RT: Mortality causes

Slave labor
USE: **Human trafficking**

Slave labour
USE: **Human trafficking**

Sleep
RT: Hibernation
Resting stages

Slicks
NT: Oil slicks
Windrows
RT: Surface films

Slicks (oil)
USE: **Oil slicks**

Slicks (surface)
USE: **Surface films**

Slides
BT: Mass movement
NT: Avalanches
Landslides
RT: Creep
Slumping

Slides (photographic)
BT: Audiovisual materials
RT: Filmstrips
Graphics

Sliding
USE: **Slumping**

Slimicides
USE: **Fungicides**

Slope currents
BT: Water currents

Slope environment
RT: Continental slope

Slope indicators
UF: Inclinometers
BT: Measuring devices
NT: Tiltmeters
RT: Slopes (topography)

Slope processes
RT: Cascading
Shelf edge dynamics

Slope stability
UF: Soil stability
BT: Stability
RT: Creep
Landslides
Mass movement
Sediment stability
Shear strength
Slopes (topography)
Slump structures
Slumping
Soil mechanics

Slope water
BT: Water masses

Slopes (topography)
NT: Beach slope
Island slope
RT: Continental slope
Gradients
Slope indicators
Slope stability
Topographic features

Sludge

UF: Activated sludge
Sludge (wastes)
BT: Wastes
RT: Mud
Organic wastes
Sewage
Sewage ponds
Sludge treatment

Sludge (drilling fluids)
USE: **Drilling fluids**

Sludge (ice)
USE: **Ice**

Sludge (wastes)
USE: **Sludge**

Sludge treatment

BT: Waste treatment
RT: Aeration
Biodegradation
Chemical degradation
Decantation
Sanitary engineering
Sewage treatment
Sludge
Water filtration

Slump structures

UF: Slumps
BT: Sedimentary structures
RT: Olistostromes
Slope stability
Slumping

Slumping

UF: Sliding
BT: Mass gravity transport (sediments)
RT: Continental slope
Creep
Earthquakes
Erosion
Flow structures
Fluidization
Geological hazards
Slides
Slope stability
Slump structures

Slumps
USE: **Slump structures**

Slurries

RT: Mud
Pumping
Suspension

Small-scale fish farming
USE: **Small scale aquaculture**

Small scale aquaculture

SN: Aquaculture system with a small annual production (max one tonne per unit and 10 tonnes

total), made of one or more small production units; family or communally run; low to moderate input levels and limited external labour. Own food supply may be a motive
UF: Artisanal aquaculture
Small-scale fish farming
Subsistence aquaculture
BT: Aquaculture
RT: Aquaculture techniques
Artisanal fisheries
Fish ponds

Small scale fishing
USE: **Artisanal fishing**

Smectite

BT: Clay minerals

Smoke

RT: Air pollution
Atmospheric particulates
Fire

Smoked products
USE: **Cured products**

Smoking
USE: **Curing**

Smolts

BT: Juveniles

Smooth muscles
USE: **Muscles**

Smuggling

SN: To move (someone or something) from one country into another illegally and secretly
RT: Fishery products
Piracy
Surveillance and enforcement
Trade

Snapper culture

SN: Before 2016 search FISH CULTURE + species name
BT: Fish culture

Snapper fisheries
USE: **Percoid fisheries**

Snow

BT: Atmospheric precipitations
RT: Hail
Ice
Rain
Rainfall

Snow avalanches
USE: **Avalanches**

Snow crab fisheries
USE: **Crab fisheries**

Snowmelt

SN: Surface runoff produced from melting snow. Also the period or season during which such runoff is produced
RT: Ice melting
Melt water
Melting
Runoff

Snowslides
USE: **Avalanches**

Soaps

BT: Detergents
RT: Domestic wastes
Surfactants
Water hardness

Social aspects
USE: **Sociological aspects**

Social behaviour

BT: Behaviour
NT: Schooling behaviour
RT: Dominance hierarchies
Ecological aggregations
Group effects

Social hierarchy
USE: **Dominance hierarchies**

Social media

SN: Social media are computer-mediated tools that allow people or companies to create, share, or exchange information
BT: Communication systems
RT: Imagery
Information handling
Information systems
Internet
Telephone systems

Societies
USE: **Organizations**

Socioeconomic aspects

RT: Bioeconomics
Case studies
Famine
Food insecurity
Food security
Globalization
Poverty alleviation
Sociological aspects
Spatial planning
Subsidies

Sociological aspects

UF: Social aspects
Sociology
RT: Demography
Socioeconomic aspects

Sociology

USE: **Sociological aspects**

Sodar

UF: Acoustic surveys
(atmosphere)

SONic Detection And
Rangefinding

RT: Acoustic imagery

Lidar

Meteorological instruments

Remote sensing equipment

Sodium

BT: Alkali metals

RT: Sodium compounds

Sodium isotopes

Sodium chloride

UF: Common salt

BT: Chlorides

Sodium compounds

RT: Evaporites

Sodium compounds

BT: Alkali metal compounds

NT: Sodium chloride

RT: Dissolved salts

Sodium

Sodium isotopes

BT: Isotopes

RT: Sodium

Sofar

UF: Sound Fixing And
Rangefinding

BT: Position fixing

RT: Sofar floats

Sound channels

Sofar floats

BT: Swallow floats

RT: Sofar

Soft bottom habitats

BT: Habitat

RT: Benthic environment

Benthos

Hard bottom habitats

Sediment properties

Substrata

Soft law

SN: Law without legally binding
components. Obligations which
create the expectation that they
will be used to avoid or resolve
disputes. Before 2016 search
INTERNATIONAL LAW +
FISHERY AGREEMENTS

BT: Legislation

RT: Fishery agreements

Fishery disputes

International law

Soft roe

USE: **Roes**

Soil algae

SN: Before 2016 search also

SOILS + ALGAE as a
taxonomic descriptor

UF: Algae (soil)

BT: Algae

RT: Alginides

Algology

Soils

Soil conservation

BT: Conservation

RT: Erosion control

Soil erosion

Soil salinization

Soils

Soil erosion

BT: Erosion

RT: Soil conservation

Soils

Wind erosion

Soil mechanics

BT: Mechanics

RT: Cohesive sediments

Compaction

Consolidation

Creep

Elastic constants

Elasticity

Geotechnology

Penetration depth

Rock mechanics

Sediment drifts

Sediment properties

Sediment stability

Settlement (structural)

Slope stability

Soils

Stress-strain relations

Trenching

Void ratio

Soil properties

USE: **Sediment properties**

Soil salinisation

USE: **Soil salinization**

Soil salinization

SN: The accumulation of soluble
salts at the surface or at some
point below the surface of the
soil profile to levels that have
negative effects on plant growth
and/or on soils. Before 2016
search SALINIZATION

UF: Salinization (soil)

Soil salinisation

BT: Salinization

RT: Environmental impact

Salinity

Soil conservation

Soils

Soil sampling

USE: **Sediment sampling**

Soil stability

USE: **Slope stability**

Soil water table

USE: **Water table**

Soils

UF: Earth (soil)

RT: Gravel

Humus

Mud

Sand

Sediments

Soil algae

Soil conservation

Soil erosion

Soil mechanics

Soil salinization

Solar-terrestrial activity

UF: Extraterrestrial interactions

RT: Climatic changes

Sea level changes

Solar activity

Solar radiation

Sun

Teleconnections

Temperature anomalies

Solar activity

UF: Sunspots

RT: Astronomy

Solar-terrestrial activity

Solar constant

Solar radiation

Sun

Solar cells

BT: Electric power sources

RT: Solar power

Solar radiation

Sun

Solar constant

BT: Constants

RT: Climatic changes

Solar activity

Solar radiation

Sun

Solar diurnal tides

USE: **Diurnal tides**

Solar eclipse

UF: Eclipse (solar)

RT: Astronomy

Solar radiation

Sun

Solar power

BT: Energy resources

RT: Green energy

Renewable resources

Solar cells

Solar radiation	RT: Flotsam	Solvents
Sun		BT: Agents
Solar radiation	Solid wastes	RT: Crystallization
UF: Diffuse sky radiation	USE: Solid impurities	Dispersants
Global radiation	Solidification	Dissolution
Net solar radiation	BT: Phase changes	Oil removal
Short wave radiation	RT: Freezing	Solubility
Sky radiation	Melting	Solutes
BT: Electromagnetic radiation	Solifluction	Solutions
NT: Reflected global radiation	USE: Creep	
RT: Albedo	Solitary waves	Somatic mutations
Astronomy	BT: Shallow water waves	USE: Mutations
Climate	RT: Solitons	Sonar
Cloud cover	Surface gravity waves	UF: Asdic
Energy flow	Solitons	Sonar equipment
Infrared radiation	RT: Solitary waves	Sonar systems
Insolation	Solubility	BT: Remote sensing equipment
Irradiance	BT: Chemical properties	NT: Active sonar
Light	NT: Gas solubility	Gloria
Light penetration	RT: Chemical precipitation	Passive sonar
Photosynthesis	Dissolution	RT: Acoustic equipment
Phototaxis	Dissolved chemicals	Acoustic navigation
Phototropism	Dissolved gases	Electronic equipment
Radiance	Leaching	Radar
Radiation balance	Saturation	Sonar arrays
Radiational tides	Solutes	Sonar detection
Radiative transfer	Solutions	Sonar imagery
Solar-terrestrial activity	Solvents	Sonar receivers
Solar activity	Supersaturation	Sonar targets
Solar cells	Solutes	Sonar transducers
Solar constant	RT: Crystallization	Sound propagation
Solar eclipse	Solubility	Surveying equipment
Solar power	Solutions	Underwater equipment
Sun	Solvents	
Thermal radiation	Solution	Sonar arrays
Ultraviolet radiation	USE: Dissolution	BT: Acoustic arrays
Solar semidiurnal tides	Solutions	RT: Sonar
USE: Semidiurnal tides	NT: Brines	
Solar tides	Hydrothermal solutions	Sonar buoys
SN: Before 1982 search also	RT: Buffers	USE: Sonobuoys
TIDES	Dissolution	Sonar detection
BT: Tides	Dissolved chemicals	UF: Acoustic detection
RT: Meteorological tides	Dissolved gases	Sonar interception
Sun	Dissolved inorganic matter	BT: Detection
Tidal constituents	Dissolved organic matter	RT: Echo integrators
Sole fisheries	Emulsions	Echo ranging
USE: Flatfish fisheries	Exchange capacity	Echolocation
Sole marks	Saturation	Fish detection
USE: Current marks	Solubility	Sonar
Solid gas hydrates	Solutes	
USE: Gas hydrates	Solvents	Sonar equipment
Solid hydrocarbons	Solvation	USE: Sonar
USE: Hydrocarbons	NT: Hydration	Sonar imagery
Solid impurities	Solvent extraction	BT: Acoustic imagery
UF: Solid wastes	BT: Separation processes	RT: Insonification
BT: Pollutants	RT: Dissolution	Sonar
NT: Litter	Leaching	Sonographs
Plastic debris		
Tar balls		Sonar interception
		USE: Sonar detection
		Sonar navigation
		USE: Acoustic navigation

Sonar receivers

RT: Acoustic equipment
Sonar

Sonar systems

USE: **Sonar**

Sonar targets

RT: Acoustic equipment
Sonar

Sonar transducers

BT: Acoustic transducers
RT: Sonar

Sonar transponders

USE: **Acoustic transponders**

Sonic Detection And Ranging

USE: **Sodar**

Sonic tags

UF: Acoustic tags
Tags (acoustic)
BT: Tags
RT: Acoustic equipment
Biotelemetry
Sound waves

Sonic waves

USE: **Sound waves**

Sonobuoys

UF: Sonar buoys
BT: Buoys
RT: Hydrophones
Passive sonar
Seismic equipment

Sonograms

USE: **Sonographs**

Sonographs

UF: Sonograms
RT: Active sonar
Gloria
Insonification
Seafloor mapping
Side scan sonar
Sonar imagery

Sorption

UF: Absorption (chemistry)
Chemisorption
NT: Adsorption
Desorption
RT: Biological uptake
Surface properties

Sound

NT: Noise (sound)
RT: Acoustics
Insonification
Sound absorption
Sound diffraction
Sound generators

Sound pressure
Sound production
Sound propagation
Sound reflection
Sound refraction
Sound scattering
Sound sources
Sound transmission
Sound velocity

Sound absorption

UF: Absorption (sound)
Acoustic wave absorption
BT: Absorption (physics)
RT: Acoustic insulation
Sound
Sound attenuation
Sound propagation
Sound reflection
Sound scattering

Sound attenuation

UF: Acoustic wave attenuation
RT: Acoustic properties
Sound absorption
Sound pressure
Sound scattering
Sound transmission
Wave attenuation

Sound backscatter

USE: **Backscatter**

Sound baffles

USE: **Acoustic insulation**

Sound channels

UF: Acoustic channels
Channels (sound)
RT: Acoustics
Density stratification
Sofar
Sound velocity
Thermal stratification

Sound diffraction

UF: Acoustic wave diffraction
BT: Diffraction
RT: Sound
Sound dispersion
Sound propagation
Sound scattering

Sound dispersion

UF: Acoustic wave dispersion
BT: Dispersion
RT: Sound diffraction
Sound propagation
Sound refraction
Sound scattering
Sound velocity

Sound emission

USE: **Sound production**

Sound Fixing And Ranging

USE: **Sofar**

Sound generation

UF: Generation (sound waves)
RT: Sound generators
Sound propagation

Sound generators

UF: Acoustic generators
Acoustic radiators
Noise generators
BT: Acoustic equipment
NT: Pingers
RT: Seismic energy sources
Sound
Sound generation
Sound production
Sound sources

Sound insulation

USE: **Acoustic insulation**

Sound intensity

UF: Acoustic intensity
RT: Acoustic properties
Sound measurement

Sound measurement

UF: Acoustic measurement
BT: Measurement
RT: Sound intensity
Sound velocity

Sound pressure

BT: Pressure
RT: Sound
Sound attenuation

Sound production

SN: Restricted to vocalization or other sources of sound production such as stridulation by animals. Before 1982 search
SOUND PRODUCTION (BIOLOGICAL)
UF: Sound emission
Sound production (biological)
RT: Animal communication
Audition
Auditory organs
Auditory stimuli
Bioacoustics
Biological noise
Echolocation
Larynx
Sound
Sound generators
Vocal organs
Vocalization behaviour

Sound production (biological)

USE: **Sound production**

Sound propagation

UF: Acoustic wave propagation
RT: Internal wave effects
Sonar
Sound

Sound absorption
Sound diffraction
Sound dispersion
Sound generation
Sound reflection
Sound refraction
Sound scattering
Sound transmission
Sound velocity

Sound properties
USE: **Acoustic properties**

Sound ranging
USE: **Echo ranging**

Sound ray paths
USE: **Ray paths**

Sound recorders
BT: Recording equipment
RT: Acoustic equipment
Acoustics
Audio recordings
Echosounders
Hydrophones
Oceanographic equipment

Sound recordings
USE: **Audio recordings**

Sound reflection
UF: Acoustic wave reflection
BT: Reflection
RT: Sound
Sound absorption
Sound propagation
Sound scattering
Target strength

Sound refraction
UF: Acoustic wave refraction
BT: Refraction
RT: Sound
Sound dispersion
Sound propagation
Sound scattering

Sound reverberation
USE: **Reverberation**

Sound scattering
UF: Acoustic wave scattering
Scattering (sound)
NT: Backscatter
Bottom scattering
Forward scattering
RT: Reverberation
Sound
Sound absorption
Sound attenuation
Sound diffraction
Sound dispersion
Sound propagation
Sound reflection
Sound refraction

Sound scattering layers
USE: **Scattering layers**

Sound sources
UF: Sound wave sources
RT: Sound
Sound generators

Sound spectra
SN: Before 1986 search also
ACOUSTIC SPECTRA
UF: Acoustic spectra
BT: Spectra

Sound speed
USE: **Sound velocity**

Sound transmission
UF: Acoustic wave transmission
BT: Transmission
RT: Sound
Sound attenuation
Sound propagation

Sound transmission loss
USE: **Transmission loss**

Sound velocity
UF: Sound speed
Wave velocity (sound)
BT: Velocity
RT: Acoustic impedance
Acoustic properties
Sound
Sound channels
Sound dispersion
Sound measurement
Sound propagation

Sound wave sources
USE: **Sound sources**

Sound waves
SN: Sound waves and underwater transmission of sound waves
UF: Acoustic waves
Sonic waves
Underwater sound transmission
Waves (acoustic)
Waves (sound)
BT: Elastic waves
RT: Acoustic equipment
Acoustics
Biological noise
Echosounding
Ray paths
Sonic tags
Wave properties

Sounding (water depth)
USE: **Bathymetry**

Sounding lines
RT: Bathymetry
Depth measurement
Oceanographic equipment
Soundings

Soundings
SN: Charted depth of water
UF: Bathymetric observations
BT: Bathymetric data
RT: Bathymetry
Echosounding
Sounding lines
Water depth

Source (river)
USE: **Headwaters**

Southern oscillation
BT: Oscillations
RT: Air temperature
Atmospheric circulation
El Nino phenomena
Sea level
Sea level pressure

Spalling
BT: Defects
RT: Deterioration

Spar buoys
BT: Buoy hulls

Sparkers
BT: Seismic energy sources

Spat
BT: Molluscan larvae
RT: Clam culture
Cultch
Mussel culture
Oyster culture
Seed (aquaculture)

Spat collection
USE: **Seed collection**

Spatial analysis
SN: Analytical techniques to determine the spatial distribution of a variable, the relationship between the spatial distribution of variables, and the association of the variables of an area. It refers to the analysis of phenomena distributed in space and having physical dimensions (the location of, proximity to, or orientation of objects with respect to one another; relating to an area of a map as in spatial information and spatial analysis; referenced or relating to a specific location on the Earth's surface)
BT: Analytical techniques
RT: Geostatistics
GIS
Modelling

Spatial distribution
USE: **Geographical distribution**

- Spatial heterogeneity
USE: **Patchiness**
- Spatial isolation
USE: **Geographical isolation**
- Spatial planning**
SN: A process of analysing and allocating parts of three dimensional spaces to specific uses, to achieve ecological, economic, and social objectives that are usually specified through the political process
BT: Planning
RT: Environment management
Environmental protection
Fishery management
GIS
Mapping
Marine parks
Natural resources
Remote sensing
Resource management
Socioeconomic aspects
Sustainable development
Water resources
- Spatial variations**
UF: Variations (space)
NT: Finestructure
Latitudinal variations
Microstructure
Patchiness
Regional variations
RT: Dimensions
Horizontal distribution
Quantitative distribution
Vertical distribution
- Spawned salmon
USE: **Kelt**
- Spawned trout
USE: **Kelt**
- Spawners
USE: **Spawning populations**
- Spawning**
NT: Wild spawning
RT: Breeding
Nursery grounds
Reproductive behaviour
Reproductive cycle
Sexual reproduction
Spawning grounds
Spawning migrations
Spawning populations
Spawning seasons
- Spawning grounds**
NT: Artificial spawning grounds
RT: Fishing grounds
Nursery grounds
Redds
- Spawning
Spawning migrations
Spawning populations
Spawning seasons
- Spawning migrations**
BT: Migrations
NT: Anadromous migrations
Catadromous migrations
RT: Amphihaline species
Diadromy
Oceanodromous migrations
Reproductive behaviour
Spawning
Spawning grounds
Spawning populations
Spawning seasons
- Spawning populations**
UF: Spawners
BT: Animal populations
RT: Spawning
Spawning grounds
Spawning migrations
Spawning seasons
- Spawning seasons**
RT: Seasons
Spawning
Spawning grounds
Spawning migrations
Spawning populations
- Spawning stock biomass**
SN: Total weight of all sexually mature fish in the stock
UF: SSB
BT: Biomass
RT: Fecundity
Fishery resources
Recruitment
Stock assessment
- Spear fishing**
SN: Impaling fish with a spear from either above or below the water surface
BT: Catching methods
RT: Diving
Sport fishing
Wounding gear
- Specialists
USE: **Experts**
- Speciation (biological)
USE: **Biological speciation**
- Speciation (chemical)
USE: **Chemical speciation**
- Species**
SN: Use of a more specific term is recommended
BT: Taxa
NT: Amphibiotic species
Amphihaline species
- Associated species
Cavernicolous species
Commercial species
Cosmopolite species
Cryptic species
Domestic species
Dominant species
Endemic species
Indicator species
Introduced species
Migratory species
New species
Rare species
Relict species
Sedentary species
Sessile species
Sibling species
Threatened species
Vulnerable species
RT: Aquatic organisms
Biological speciation
Botany
Ecology
Species identification
Zoology
- Species composition
USE: **Check lists**
- Species diversity**
UF: Community diversity
Diversity index
Ecological diversity
Similarity index
RT: Biodiversity
Climax community
Community composition
Community structure
Dominant species
Ecological succession
Gene pool
- Species extinction**
UF: Extinction of species
RT: Mass extinctions
Nature conservation
Overfishing
Rare species
Threatened species
Vulnerable species
- Species identification**
SN: Before 2016 search
IDENTIFICATION KEYS + TAXONOMY
BT: Identification
RT: Biological speciation
DNA barcoding
Holotypes
Identification keys
Species
Taxonomy
- Species rarity
USE: **Rare species**

Species traits

USE: **Biological traits**

Specific gravity

BT: Physical properties

RT: Density

Relative density

Weight

Specific gravity measurement

USE: **Density measurement**

Specific heat

UF: Heat capacity

Thermal capacity

BT: Thermodynamic properties

RT: Enthalpy

Specific humidity

Thermal conductivity

Specific humidity

BT: Humidity

RT: Relative humidity

Specific heat

Specific volume

RT: Isopycnics

Specific volume anomalies

Thermal expansion

Volume

Water density

Specific volume anomalies

UF: Steric anomalies

BT: Anomalies

NT: Thermosteric anomalies

RT: Dynamic height anomaly

Specific volume

Water density

Specifications

RT: Design

Guidelines

Performance assessment

Prototypes

Standards

Specificity

RT: Chemical reactions

Host preferences

Substrate preferences

Spectra

UF: Spectrum

NT: Absorption spectra

Current spectra

Directional spectra

Energy spectra

Frequency spectra

Sound spectra

Wave spectra

Spectral analysis

BT: Mathematical analysis

NT: Maximum entropy spectral analysis

RT: Data reduction

Frequency analysis

Signal processing

Time series analysis

Waveform analysis

Spectral composition

BT: Optical properties

RT: Colour

Light penetration

Spectrophotometers

Spectrochemical analysis

RT: Spectrophotometers

Spectrophotometers

BT: Photometers

RT: Spectral composition

Spectrochemical analysis

Spectroscopic techniques

Spectroscopic techniques

UF: Alpha spectroscopy

Spectroscopy

BT: Analytical techniques

NT: Absorption spectroscopy

Emission spectroscopy

Fluorescence spectroscopy

Gamma spectroscopy

Infrared spectroscopy

Mass spectroscopy

X-ray spectroscopy

RT: Chromatographic techniques

Colorimetric techniques

Nuclear magnetic resonance

Photometry

Spectrophotometers

Spectroscopy

USE: **Spectroscopic techniques**

Spectrum

USE: **Spectra**

Speech distortion

RT: Communication

Speed

USE: **Velocity**

Speedometers

SN: Instruments for measuring vessel speed

BT: Measuring devices

Spelaeology

SN: The study of caves, their flora and fauna

UF: Speleology

RT: Cavernicolous species

Caves

Geomorphology

Karst hydrology

Speleology

USE: **Spelaeology**

Sperm

SN: Before 1986 search also

SPERMATOZOA

UF: Spermatozoa

BT: Sexual cells

RT: Fecundity

Gynogenesis

Polyspermy

Semen

Spermatogenesis

Spermatophores

Sperm oils

USE: **Fish oils**

Spermatogenesis

BT: Gametogenesis

RT: Sperm

Testes

Spermatophores

RT: Biological fertilization

Sexual maturity

Sexual reproduction

Sperm

Spermatozoa

USE: **Sperm**

Sphene

USE: **Titanite**

Sphingolipids

USE: **Complex lipids**

Spilling waves

BT: Breaking waves

Spillways

SN: Structures constructed to provide safe release of flood waters from a dam to a downstream area

UF: Overfalls

RT: Dams

Flood control

Water reservoirs

Spin fishing

USE: **Sport fishing**

Spinal cord

BT: Central nervous system

RT: Vertebrae

Spiny lobster fisheries

USE: **Lobster fisheries**

Spits

BT: Beach features

NT: Barrier spits

RT: Deposition features

Splash zone

UF: Spray zone

RT: Corrosion

Spray

Spleen

BT: Excretory organs
RT: Lymphocytes

Splines

RT: Numerical analysis

Spoil

RT: Dredge spoil
Waste disposal sites

Spoilage (fish)

USE: **Fish spoilage**

Sponge culture

BT: Cultures
RT: Marine aquaculture
Sponge fisheries
Sponges

Sponge fisheries

UF: Sponge harvesting
BT: Fisheries
RT: Fishing by diving
Marine fisheries
Sponge culture
Sponges

Sponge harvesting

USE: **Sponge fisheries**

Sponges

BT: Animal products
RT: Sponge culture
Sponge fisheries

Sporangia

RT: Asexual reproduction
Spores
Sporogenesis

Spore collection

USE: **Seed collection**

Spore formation

USE: **Sporogenesis**

Spores

UF: Aplanospores
Ascospores
Basidiospores
Blastospores
Oospores
Zoospores
NT: Conidia
Resting spores
RT: Algal culture
Asexual reproduction
Atmospheric particulates
Bacteria
Budding
Encystment
Fossil spores
Fungi
Gametophytes
Germination

Palynology
Seed collection
Sporangia
Sporogenesis
Sporophytes

Sporogenesis

UF: Spore formation
Sporogony
Sporulation
RT: Sporangia
Spores
Sporophytes

Sporogony

USE: **Sporogenesis**

Sporophytes

RT: Alternate reproduction
Spores
Sporogenesis

Sport fish

USE: **Game fish**

Sport fishing

SN: Any activities of fishing with
recreation or water sports
purposes
UF: Community fishing
(recreational)
Flyfishing
Recreational fishing
Spin fishing
BT: Fishing
Recreation
NT: Angling
RT: Fee fishing
Game fish
Ice fishing
Spear fishing
Sport fishing statistics

Sport fishing statistics

SN: Including number of sport
fishermen and catches
UF: Creel census
BT: Fishery statistics
RT: Game fish
Sport fishing

Sporulation

USE: **Sporogenesis**

Spotted pest

USE: **Vibriosis**

Sprat fisheries

USE: **Clupeoid fisheries**

Spray

UF: Salt spray
Sea spray
BT: Hydrometeors
RT: Droplets
Splash zone

Spray zone

USE: **Splash zone**

Spreading

USE: **Dispersion**

Spreading axis

USE: **Spreading centres**

Spreading centres

UF: Spreading axis
Spreading ridges
RT: Diverging plate boundaries
Plate divergence
Plate tectonics
Seafloor spreading

Spreading rate

USE: **Seafloor spreading**

Spreading ridges

USE: **Spreading centres**

Spring

SN: Used for the season
UF: Spring (season)
BT: Seasons

Spring (season)

USE: **Spring**

Spring streams

BT: Water springs
RT: Ground water
Lotic environment
Water resources

Spring tides

BT: Tides

Springs (water)

USE: **Water springs**

Squalene

BT: Polyunsaturated hydrocarbons

Squalls

SN: Squalls refer to an increase in
the sustained winds over a short
time interval, as there may be
higher gusts during a squall
event
BT: Atmospheric turbulence
RT: Gusts
Storms
Weather
Wind speed
Winds

Squat lobster fisheries

UF: Galatheid fisheries
Red crab fisheries
BT: Crustacean fisheries

Squid culture

SN: Before 1982 search
MOLLUSC CULTURE
BT: Cephalopod culture
RT: Cephalopod fisheries

Squid fisheries

USE: **Cephalopod fisheries**

SSB

USE: **Spawning stock biomass**

St Elmo's fire

USE: **Atmospheric electricity**

Stability

SN: Use of a more specific term is recommended

NT: Sediment stability

Ship stability

Slope stability

Vertical stability

RT: Ballast

Buoyancy

Equilibrium

Instability

Monin-Obukhov length

Stability constants

Stabilizing

Steady state

Stability (ecological)

USE: **Ecological balance**

Stability constants

BT: Constants

RT: Stability

Stability frequency

USE: **Brunt-Vaisala frequency**

Stabilization

USE: **Stabilizing**

Stabilized platforms

BT: Instrument platforms

NT: Towers

Stabilizers

UF: Stabilizing fins

RT: Ship motion

Ship stability

Stabilizing

Stabilizing

UF: Stabilization

RT: Heave compensators

Stability

Stabilizers

Stabilizing fins

USE: **Stabilizers**

Stable isotopes

SN: Chemical Isotopes that are not radioactive; Carbon, Nitrogen, Oxygen and Hydrogen are those

most commonly used in ecological and environmental research

BT: Isotopes

RT: Excretory products

Food consumption

Food webs

Interspecific relationships

Intraspecific relationships

Isotope fractionation

Mass spectroscopy

Metabolism

Physiology

Radioisotopes

Trophic levels

Trophic relationships

Trophic structure

Trophodynamic cycle

Stacks

BT: Coastal landforms

Staff (personnel)

USE: **Personnel**

Stages (water)

USE: **Water levels**

Stagnant water

BT: Water

RT: Anoxic conditions

Dystrophic lakes

Hypolimnion

Sapropels

Wetlands

Staining

SN: Staining of tissues and organisms

RT: Discolouration

Dyes

Marking

Stainless steel

BT: Steel

RT: Corrosion control

Standard depths

SN: Recommended depths below sea surface at which water properties should be measured

BT: Depth

Standard ocean sections

SN: Routes along which oceanographic observations are made regularly over a period of time, e.g. Kola Section, Line P

UF: Ocean data routes

BT: Oceanographic stations

RT: Fixed stations

Hydrographic sections

Oceanographic data

Oceanographic surveys

Time series

Standard sea water

BT: Sea water

RT: Artificial seawater

Salinity measurement

Standard signals

RT: Communication systems

Navigation

Standardization

SN: Comparison of an instrument or device with a standard to determine its value in terms of an adopted unit

NT: Calibration

RT: FAO Code of Conduct for Responsible Fisheries

Intercomparison

Methodology

Standards

Terminology

Standards

UF: Codes of practice

NT: Codex standards

Practical salinity scale

RT: Acceptability

Bench marks

Best practices

FAO Code of Conduct for Responsible Fisheries

Guidelines

Protocols

Quality control

Specifications

Standardization

Terminology

Standby vessels

USE: **Emergency vessels**

Standing crop (in number)

USE: **Population number**

Standing crop (in weight)

USE: **Biomass**

Standing stock (in number)

USE: **Population number**

Standing stock (in weight)

USE: **Biomass**

Standing waves

UF: Clapotis

Stationary waves

BT: Oscillatory waves

RT: Hydraulic jump

Seiches

Wave reflection

Starch

SN: Before 1982 search
CARBOHYDRATES

BT: Polysaccharides

Starvation

UF: Absolute food deficiency

RT: Famine

Food availability

Food insecurity

Food security

Hunger

Lethal limits

Mortality causes

Nutrition disorders

Survival

State-of-the-art reviews

USE: **Literature reviews**

State governments

USE: **Governments**

State jurisdiction

USE: **Jurisdiction**

States (political)

USE: **Countries**

Static instability

BT: Instability

RT: Vertical stability

Static stability

USE: **Vertical stability**

Static water culture

USE: **Pond culture**

Station keeping

RT: Deployment

Oceanographic stations

Recovery

Seamanship

Ship drift

Station lists

BT: Data reports

RT: Logbooks

Oceanographic stations

Track charts

Stationary waves

USE: **Standing waves**

Stations (oceanographic)

USE: **Oceanographic stations**

Statistical analysis

UF: Chi square test

Statistical methods

Statistical tests

Statistics (mathematics)

Tests for significant differences

BT: Mathematical analysis

NT: Bayesian analysis

Correlation analysis

Frequency analysis

Non-parametric methods

Parametric methods

Regression analysis

Time series analysis

Variance analysis

Virtual population analysis

RT: Approximation

Biometrics

Economic analysis

Gaussian distribution

Graphical analysis

Kurtosis

Numerical analysis

Prediction

Probability theory

Random processes

Skewness

Statistical models

Statistical sampling

Statistical tables

Statisticians

Statistics

Stochastic processes

Survey design

Statistical charts

USE: **Statistical tables**

Statistical methods

USE: **Statistical analysis**

Statistical models

BT: Mathematical models

RT: Operations research

Probability theory

Statistical analysis

Statistics

System analysis

Statistical sampling

SN: Before 1982 search

SAMPLING (STATISTICAL)

UF: Random sampling

Sampling (statistical)

Stratified sampling

BT: Sampling

RT: Biological sampling

Probability theory

Statistical analysis

Statistical tables

Statistics

Survey design

Statistical tables

UF: Statistical charts

Tables (statistical)

BT: Tables

NT: Scatter diagrams

RT: Graphical analysis

Statistical analysis

Statistical sampling

Statistics

Statistical tests

USE: **Statistical analysis**

Statisticians

BT: Scientific personnel

RT: Statistical analysis

Statistics

Statistics

NT: Fishery statistics

Geostatistics

Household statistics

Wave statistics

RT: Biometrics

Mathematics

Statistical analysis

Statistical models

Statistical sampling

Statistical tables

Statisticians

Statistics (mathematics)

USE: **Statistical analysis**

Statocysts

BT: Balance organs

RT: Statoliths

Statoliths

RT: Statocysts

STD observations

UF: Salinity-temperature-depth observations

RT: CTD observations

Hydrographic data

STD profiles

STD probes

USE: **STD profilers**

STD profilers

UF: Salinity-temperature-depth profilers

STD probes

STD sensors

BT: Profilers

RT: Conductivity sensors

CTD profilers

Salinity measuring equipment

Salinity profiles

STD profiles

Thermometers

STD profiles

UF: Salinity-temperature-depth profiles

Salinity temperature depth profiles

BT: Vertical profiles

RT: Hydrographic data

STD observations

STD profilers

Temperature profiles

STD sensors

USE: **STD profilers**

Steady state

RT: Equilibrium

Perturbations

Stability

Unsteady state

Steam fog
USE: **Fog**

Steel

BT: Ferrous alloys
NT: Stainless steel
RT: Metals
Reinforced concrete
Steel structures

Steel platforms
USE: **Steel structures**

Steel structures

UF: Steel platforms
BT: Structures
RT: Concrete structures
Offshore structures
Steel

Steel wire
USE: **Wire rope**

Steering systems

RT: Manoeuvrability
Positioning systems
Propulsion systems
Ship technology
Vehicles

Stems

BT: Plant organs
RT: Rhizomes
Stomata

Stenohaline organisms
USE: **Stenohalinity**

Stenohalinity

UF: Stenohaline organisms
BT: Biological properties
RT: Euryhalinity
Salinity tolerance

Stenothermal organisms
USE: **Stenothermy**

Stenothermy

UF: Stenothermal organisms
BT: Biological properties
RT: Eurythermy
Temperature tolerance

Stereophotography

BT: Photography
RT: Aerial photography
Depth measurement
Surveying underwater
Wave measurement

Steric anomalies
USE: **Specific volume anomalies**

Steric sea level

BT: Sea level
RT: Isostatic sea level

Sterility

SN: Natural or artificial sterility
by irradiation or removal
of reproductive organs
RT: Animal reproductive organs
Castration
Ovaries
Testes

Sterilization

NT: Ozonation
Ultraviolet sterilization
RT: Ionizing radiation
Ultraviolet radiation

Steroids

BT: Lipids
NT: Sterols
RT: Drugs
Hormones

Sterols

UF: Sitosterols
BT: Steroids
NT: Cholesterol
Fucosterol
RT: Alcohols

Stewardship

SN: The activity or job of
protecting and being responsible
for something. The responsible
planning and management of
resources. Use of a more
specific term is recommended
RT: Environment management
Fishery management
Governance
Management
Resource management

Stickwater

UF: Fish solubles
BT: Processed fishery products
RT: Byproducts
Fish oils
Fish wastes

Still water level

USE: **Sea level**

Stimulants (growth)

USE: **Growth regulators**

Stimuli

SN: Stimuli and their effects on
aquatic organisms
NT: Auditory stimuli
Chemical stimuli
Electric stimuli
Light stimuli
Mechanical stimuli
Tactile stimuli
Thermal stimuli
Visual stimuli
RT: Behavioural responses
Biological stress

Coral bleaching
Learning behaviour
Orientation behaviour
Sense functions
Tropism

Stinging organisms
USE: **Noxious organisms**

Stinging organs

UF: Nematocysts
RT: Electric organs
Noxious organisms
Venom apparatus

Stochastic models
USE: **Mathematical models**

Stochastic processes

RT: Mathematical models
Operations research
Probability theory
Random processes
Statistical analysis
Time series analysis

Stock assessment

UF: Stock evaluation
RT: Catch-effort
Catch statistics
Census
Exploratory fishing
Fishery surveys
Fishing down aquatic food
webs
Fork length
Landing statistics
Population characteristics
Population number
Population structure
Spawning stock biomass
Stock identification
Stocks
Surplus production
Survey design
Swept area
Virtual population analysis

Stock density
USE: **Population density**

Stock depletion
USE: **Depleted stocks**

Stock evaluation
USE: **Stock assessment**

Stock identification

RT: Meristic counts
Population genetics
Racial studies
Stock assessment
Subpopulations

Stocking (organisms)

UF: Restocking
Stocking operations
RT: Aquaculture
Aquaculture techniques
Density dependence
Ranching
Seeding (aquaculture)
Stocking density
Stocking ponds
Transplantation

Stocking density

UF: Crowding
Density (stocking)
RT: Biotic factors
Density dependence
Overcrowding
Population density
Stocking (organisms)
Stocking ponds

Stocking operations

USE: **Stocking (organisms)**

Stocking ponds

BT: Fish ponds
RT: Stocking (organisms)
Stocking density

Stocks

SN: The exploitable group of individuals of the same species existing in a particular area at a particular time
UF: Fish stocks
Wild fish stocks
NT: Brood stocks
Depleted stocks
Shared stocks
Straddling stocks
Unit stocks
RT: Animal populations
Fishery resources
Stock assessment

Stokes drift

USE: **Wave drift velocity**

Stokes law

RT: Particle settling
Settling rate
Viscosity

Stokes waves

BT: Nonlinear waves

Stoma

USE: **Stomata**

Stomach

BT: Alimentary organs
Secretory organs
NT: Masticatory stomach
RT: Hunger
Pyloric caeca
Stomach content

Stomach content

RT: Food consumption
Gastric evacuation
Stomach

Stomata

UF: Stoma
RT: Leaves
Plant physiology
Respiration
Rhizomes
Stems
Transpiration

Stoneley waves

USE: **Surface seismic waves**

Storage

SN: Use of a more specific term is recommended; consult narrower terms listed below
UF: Capacity (storage)
NT: Cold storage
Data storage
Fish storage
Sample storage
RT: Storage conditions
Storage effects
Storage life
Storage tanks

Storage (fish)

USE: **Fish storage**

Storage conditions

UF: Storage humidity
Storage temperature
RT: Air temperature
Humidity
Post harvest losses
Storage
Storage effects
Storage life

Storage effects

SN: Any action of storage on the quality of processed fishery products, sediment samples and water samples, etc.
RT: Quality control
Storage
Storage conditions
Storage life

Storage humidity

USE: **Storage conditions**

Storage life

UF: Shelf life
RT: Quality assurance
Storage
Storage conditions
Storage effects

Storage tanks

BT: Tanks

RT: Storage

Storage temperature

USE: **Storage conditions**

Storm surge barriers

UF: Tidal barriers
BT: Barriers
Coast defences
RT: Storm surges
Tidal barrages
Tide-surge interaction

Storm surge forecasts

USE: **Storm surge prediction**

Storm surge generation

BT: Wave generation
RT: Storm surges

Storm surge prediction

UF: Storm surge forecasts
BT: Prediction
RT: Storm surges
Storm tide warning services

Storm surges

UF: Storm tides
Surges (storm)
BT: Surface water waves
Surges
NT: Hurricane waves
RT: Catastrophic waves
Disasters
Flooding
Floods
Meteorological tides
Shallow water waves
Storm surge barriers
Storm surge generation
Storm surge prediction
Storm tide warning services
Surface gravity waves
Tide-surge interaction
Wind setup

Storm tide warning services

BT: Warning services
RT: Storm surge prediction
Storm surges

Storm tides

USE: **Storm surges**

Storms

UF: Gales
BT: Weather hazards
NT: Hurricanes
Thunderstorms
RT: Squalls
Tornadoes
Winds

Stormwater runoff

BT: Runoff

Straddling stocks

SN: Stock which occurs both within the EEZ and in an area beyond and adjacent to EEZ
BT: Stocks
RT: United Nations Fish Stock Agreement

Straight chain saturated hydrocarbons

USE: **Acyclic hydrocarbons**

Strain

BT: Deformation
RT: Elasticity
Poisson's ratio
Shear strength
Strain gauges
Stress-strain relations
Stress (mechanics)

Strain gauges

BT: Gauges
RT: Strain
Tiltmeters
Transducers

Strain seismometers

USE: **Seismometers**

Strains (microbiology)

USE: **Microbiological strains**

Strains (plants)

USE: **Plant strains**

Straits

BT: Coastal waters
RT: Channels
Tunnels
Water exchange

Strand lines

USE: **Strandlines**

Stranded organisms

USE: **Stranding**

Strandflats

USE: **Wave-cut platforms**

Stranding

SN: Whales or other organisms washed ashore
UF: Stranded organisms
Whale stranding
RT: Aquatic mammals
Carcasses

Strandlines

UF: Ancient shorelines
Strand lines
BT: Coasts
RT: Glacial lakes
Raised beaches
Sea level changes
Terraces

Wave-cut platforms

Stratification

NT: Density stratification
Salinity stratification
Thermal stratification
RT: Baroclinic mode
Barotropic mode
Destratification
Layers
Stratified flow
Water column

Stratification (density)

USE: **Density stratification**

Stratification (salinity)

USE: **Salinity stratification**

Stratification (thermal)

USE: **Thermal stratification**

Stratified flow

BT: Fluid flow
RT: Baroclinic mode
Baroclinic motion
Density flow
Laminar flow
Stratification
Stratified shear flow

Stratified sampling

USE: **Statistical sampling**

Stratified shear flow

BT: Shear flow
RT: Lee waves
Stratified flow

Stratigraphic correlation

BT: Geological correlation
RT: Geochronometry
Sediments
Stratigraphy

Stratigraphic systems

USE: **Geological time**

Stratigraphic traps

RT: Geological equipment
Stratigraphy

Stratigraphy

BT: Geology
NT: Biostratigraphy
Chronostratigraphy
Magnetostратigraphy
Oxygen isotope stratigraphy
Seismic stratigraphy
Seismic tomography
Sequence stratigraphy
RT: Geochronometry
Geological time
Isopach maps
Marine geology
Micropalaeontology
Palaeoclimatology

Palaeoecology

Palaeontology

Sediment structure

Stratigraphic correlation

Stratigraphic traps

Stratosphere

BT: Earth atmosphere
RT: Ionosphere
Tropopause
Troposphere

Stream conservation

USE: **Conservation**

Stream ecology

USE: **Freshwater ecology**

Stream fisheries

USE: **River fisheries**

Stream flow

UF: River currents
River flow
BT: Water currents
RT: Backwaters
Flood control
Fluid motion
Hydrodynamics
River discharge
River engineering
Rivers
Stream flow rate
Unidirectional flow
Watersheds

Stream flow rate

BT: Current velocity
RT: Rivers
Stream flow

Stream functions

RT: Coriolis parameters
Dynamic height
Geostrophic equilibrium
Streamlines

Stream valleys

USE: **River valleys**

Streamers

BT: Cables
RT: Hydrophones
Oceanographic equipment
Seismic equipment
Sensors

Streamlines

BT: Map graphics
RT: Current charts
Current direction
Current vectors
Dynamic topography
Stream functions
Water currents

Streams

USE: **Rivers**
Strength

SN: Use for mechanical strength

BT: Mechanical properties

NT: Bearing capacity

Collapse strength

Compressive strength

Shear strength

Tensile strength

RT: Yield point

Stress

USE: **Stress (mechanics)**
Stress-strain relations

RT: Deformation

Mechanical properties

Soil mechanics

Strain

Stress (mechanics)

Tensile strength

Stress (biological)

USE: **Biological stress**
Stress (mechanics)

SN: Before 1995 search also

STRESS

UF: Stress

BT: Forces (mechanics)

NT: Bottom stress

Compression

Reynolds stresses

Shear stress

Tension

Torque

Wind stress

RT: Biological stress

Elasticity

Fatigue (materials)

Mechanical properties

Shear strength

Strain

Stress-strain relations

Stress (physiological)

USE: **Biological stress**
Stress corrosion

BT: Corrosion

RT: Embrittlement

Fatigue (materials)

Metal fatigue

Striated muscles

USE: **Muscles**
Strike-slip faults

BT: Faults

Stringers

USE: **Pipe stringers**
Strip mine lakes

BT: Lakes

RT: Mine tailings

Pits

Stripping analysis

UF: Anodic stripping voltammetry

Cathodic stripping voltammetry

BT: Analytical techniques

Stromatolites

BT: Biogenic sedimentary structures

RT: Algae

Algal mats

Microbial mats

Strontium

BT: Alkaline earth metals

RT: Strontium isotopes

Strontium isotopes

BT: Isotopes

RT: Rubidium-strontium dating

Strontium

Structural analysis

BT: Structural engineering

RT: Design

Mathematical analysis

Tolerances (dimensional)

Structural basins

BT: Basins

NT: Forearc basins

Marginal basins

RT: Ocean basins

Sedimentary basins

Tectonics

Structural domes

UF: Geological domes

BT: Folds

NT: Salt domes

RT: Diapirs

Structural dynamics

BT: Dynamics

RT: Dynamic loads

Structural engineering

Structural engineering

BT: Engineering

NT: Structural analysis

RT: Coastal engineering

Geotechnology

Hydraulic engineering

Offshore structures

River engineering

Settlement (structural)

Structural dynamics

Structural geology

BT: Geology

RT: Geological structures

Tectonics

Structural settlement

USE: **Settlement (structural)**
Structures

SN: Use only for man-made structures. Use of a more specific term is recommended

NT: Concrete structures

Cylindrical structures

Hydraulic structures

Perforated structures

Steel structures

RT: Legs (structural)

Settlement (structural)

Strumming

USE: **Vibration**
Stunting

RT: Growth

Stupefying methods

RT: Electric fishing

Electrified gear

Explosive fishing

Fish poisoning

Sub-bottom profiling

SN: Profiling using systems employing discrete sound sources, e.g. echosounders

BT: Profiling

Seismic exploration

RT: Echosounding

Seismic reflection profiling

Subaereal topography

BT: Topography (geology)

Subaqueous sediment transport

USE: **Sediment transport**
Subduction

SN: A continental plate of greater density forced beneath an adjoining plate

RT: Active margins

Forearc basins

Island arcs

Marginal basins

Obduction

Oceanic crust

Plate tectonics

Plates

Subduction zones

Subduction zones

RT: Benioff zone

Converging plate boundaries

Oceanic trenches

Plate convergence

Plate tectonics

Plates

Subduction

Subgravel filters

USE: **Biofilters**

Sublethal effects

SN: Effects, not immediately identifiable, of harmful substances on organisms
RT: Bioaccumulation
Biological poisons
Biotesting
Diseases
Lethal effects
Pollution effects
Pollution tolerance
Survival
Toxicity
Toxicity tolerance

Sublimation

BT: Vaporization
RT: Ablation
Condensation
Evaporation
Freezing
Hydrometeors
Ice formation
Melting
Sublimation heat
Water vapour

Sublimation heat

UF: Latent heat of sublimation
BT: Enthalpy
RT: Sublimation

Sublittoral zone

BT: Littoral zone
RT: Nearshore sedimentation

Submarine banks

BT: Banks (topography)
Submarine features
RT: Fishing grounds
Mud banks
Sand banks
Shoals

Submarine bars

USE: **Nearshore bars**

Submarine basins

USE: **Ocean basins**

Submarine cable breaks

UF: Cable breaks
RT: Submarine cables

Submarine cables

BT: Electric cables
RT: Cable laying
Cable ships
Coaxial cables
Communication systems
Submarine cable breaks
Telephone systems

Submarine canyons

BT: Submarine features
RT: Continental shelves
Continental slope

Deep-sea fans
Submarine valleys
Thalweg

Submarine cements

SN: Chemically precipitated mineral material
UF: Cements (geology)
BT: Chemical sediments
RT: Authigenic minerals
Cementation

Submarine crust

USE: **Oceanic crust**

Submarine erosion

USE: **Bottom erosion**

Submarine escarpments

USE: **Submarine scarps**

Submarine fans

USE: **Deep-sea fans**

Submarine features

UF: Bottom features
Submarine topographic features
BT: Topographic features
NT: Abyssal hills
Abyssal plains
Continental margins
Continental ridges
Continental rise
Continental shelves
Continental slope
Deep-sea channels
Deep-sea fans
Deep-sea furrows
Fracture zones
Island slope
Ocean basins
Oceanic trenches
Seabights
Seaknolls
Seamount chains
Seamounts
Shelf edge
Shoals
Sills
Submarine banks
Submarine canyons
Submarine plateaux
Submarine ridges
Submarine scarps
Submarine troughs
Submarine valleys
RT: Bed forms
Bottom topography
Ocean floor
Submarine volcanoes

Submarine geology

USE: **Marine geology**

Submarine ice profiles

USE: **Ice canopy**

Submarine permafrost

USE: **Permafrost**

Submarine pipelines

USE: **Pipelines**

Submarine plateaux

UF: Ocean plateaux
BT: Plateaux
Submarine features

Submarine ridges

UF: Oceanic ridges
BT: Ridges
Submarine features
NT: Aseismic ridges
Mid-ocean ridges
Seismic ridges
RT: Mountains
Sills
Submarine scarps

Submarine scarps

SN: Before 1984 search also SCARPS and UNDERWATER ESCARPMENTS
UF: Submarine escarpments
Underwater escarpments
BT: Escarpments
Submarine features
RT: Fault scarps
Median valleys
Submarine ridges

Submarine springs

SN: Offshore emergence of fresh water
UF: Water seepages
BT: Water springs

Submarine tankers

BT: Submarines
RT: Tanker ships

Submarine terraces

USE: **Terraces**

Submarine topographic features

USE: **Submarine features**

Submarine trenches

USE: **Oceanic trenches**

Submarine troughs

BT: Submarine features

Submarine valleys

BT: Submarine features
Valleys
RT: Drowned valleys
Submarine canyons

Submarine volcanoes

BT: Volcanoes
RT: Plate boundaries
Seamount chains
Submarine features

Submarines

SN: Use only for manned underwater vehicles designed for military purposes
BT: Manned vehicles
NT: Submarine tankers
RT: Nuclear propulsion
Submersibles
Undersea warfare

Submerged cages

UF: Bottom cages
Midwater cages
BT: Cages

Submerged shorelines

UF: Ria coasts
BT: Coasts
RT: Drowned valleys
Emergent shorelines
Epeirogeny
Fjords
Retrogradation
Submergence
Transgressions

Submergence

RT: Epeirogeny
Retrogradation
Submerged shorelines
Transgressions

Submersible platforms

SN: Towed or self-propelled platforms supportable on flooded hulls
BT: Mobile platforms
RT: Caissons
Jackup platforms
Semisubmersible platforms

Submersibles

UF: Lockout submersibles
Manned submersibles
Submersibles (manned)
BT: Manned vehicles
NT: Wet submersibles
RT: Deep-sea diving
Diving bells
Diving equipment
Diving suits
Free-swimming vehicles
Mother ships
Self-propelled vehicles
Submarines

Submersibles (manned)
USE: **Submersibles**

Submersibles (unmanned)
USE: **Unmanned vehicles**

Suboceanic crust
USE: **Oceanic crust**

Subpopulations

SN: Subset of a population which comprises a self-sustained genetic unit
UF: Race
RT: Genotypes
Population genetics
Population structure
Racial studies
Stock identification
Unit stocks

Subsea production systems

RT: Oil and gas production
Wellheads

Subsidence

SN: Use only in tectonic context
BT: Epeirogeny
RT: Tectonics
Uplift

Subsidies

SN: Payment or benefit given to partially offset the cost of specific activities, such as the manufacture, production, or export of an article
BT: Grants
RT: Fishery aid
Fishery management
Food aid
Incentives
Production management
Socioeconomic aspects

Subsistence aquaculture

USE: **Small scale aquaculture**

Subsistence fisheries

SN: A fishery where the fish caught are shared and consumed directly by the families
BT: Fisheries

Substrata

UF: Substrates (physical)
NT: Artificial substrata
RT: Benthic environment
Benthos
Ecological zonation
Hard bottom habitats
Sessile species
Settling behaviour
Soft bottom habitats
Substrate preferences

Substrate affinities

USE: **Substrate preferences**

Substrate preferences

UF: Substrate affinities
RT: Algal settlements
Biological settlement
Colonization
Cultch
Larval settlement

Specificity

Substrata

Substrates (biochemistry)

USE: **Biochemical substrates**

Substrates (physical)

USE: **Substrata**

Subsurface buoyancy floats

USE: **Buoyancy floats**

Subsurface currents

BT: Water currents
NT: Deep currents
RT: Bottom currents
Lake currents
Ocean currents

Subsurface deposits

BT: Mineral deposits
NT: Fossil fuels
Phosphate deposits
RT: Deep-sea mining
Oil sands
Oil shale
Ores
Potash deposits
Salt deposits

Subsurface drifters

UF: Floats (subsurface)
Subsurface floats
BT: Drifters
NT: Seabed drifters
Swallow floats
RT: Lagrangian current measurement

Subsurface floats

USE: **Subsurface drifters**

Subsurface water

BT: Water masses

Subtropical convergences

BT: Oceanic convergences
RT: Gyres
Oceanic fronts

Subtropical gyres

USE: **Gyres**

Subtropical jet stream

USE: **Jet stream**

Subtropical zones

BT: Climatic zones

Succession (ecological)

USE: **Ecological succession**

Suffocation

USE: **Asphyxia**

Sugars

USE: **Saccharides**

Sulfide deposits
USE: **Sulphide deposits**

Sulfur
USE: **Sulphur**

Sulphate minerals
BT: Minerals
NT: Anhydrite
Barite
Gypsum
Kainite
Polyhalite
RT: Sulphates
Sulphide deposits

Sulphate reduction
BT: Reduction
RT: Biogeochemistry
Sulphates

Sulphates
SN: Before 1982 search
SULPHUR COMPOUNDS
BT: Sulphur compounds
NT: Calcium sulphates
Magnesium sulphates
RT: Sulphate minerals
Sulphate reduction
Sulphide deposits

Sulphide deposits
UF: Polymetallic sulphide
deposits
Sulfide deposits
BT: Chemical sediments
RT: Hydrothermal deposits
Metalliferous sediments
Seabed deposits
Sulphate minerals
Sulphates
Sulphide minerals
Sulphides

Sulphide minerals
BT: Minerals
NT: Greigite
Pyrite
Pyrrhotite
RT: Sulphide deposits
Sulphides

Sulphides
SN: Before 1982 search
SULPHUR COMPOUNDS
BT: Sulphur compounds
NT: Carbon sulphides
Hydrogen sulphide
Iron sulphides
RT: Sulphide deposits
Sulphide minerals

Sulphites
SN: Before 1982 search
SULPHUR COMPOUNDS
BT: Sulphur compounds

Sulphonates
BT: Sulphur compounds

Sulphur
UF: Sulfur
BT: Nonmetals
RT: Sulphur compounds
Sulphur isotopes

Sulphur compounds
BT: Chemical compounds
NT: Sulphates
Sulphides
Sulphites
Sulphonates
Sulphur oxides
RT: Sulphur
Sulphuric acid
Volatile compounds

Sulphur dioxide
BT: Sulphur oxides

Sulphur isotopes
BT: Isotopes
RT: Sulphur

Sulphur oxides
BT: Oxides
Sulphur compounds
NT: Sulphur dioxide

Sulphuric acid
BT: Inorganic acids
RT: Sulphur compounds

Summaries
USE: **Abstracts**

Summer
BT: Seasons

Sun
RT: Astronomy
Solar-terrestrial activity
Solar activity
Solar cells
Solar constant
Solar eclipse
Solar power
Solar radiation
Solar tides

Sun dried products
USE: **Dried products**

Sunburn
SN: Pathological condition
ascribed to excessive level of
ultraviolet irradiation
BT: Fish diseases
RT: Environmental diseases

Sunspots
USE: **Solar activity**

Supersaturation
BT: Saturation
RT: Chemical precipitation
Crystallization
Dissolution
Solubility

Supply boats
BT: Ships
RT: Support ships

Support craft
USE: **Support ships**

Support ships
SN: Applied to auxiliary ships of
fishing fleets and from 1981 also
to vessels serving oil rigs and
other offshore installations
UF: Support craft
Work boats
BT: Ships
NT: Factory ships
Mother ships
RT: Crane barges
Diving bells
Diving equipment
Emergency vessels
Fishing vessels
Supply boats
Tugs

Suppressing
USE: **Damping**

Suppressors
RT: Acoustic insulation
Damping

Supralittoral zone
UF: Supratidal zone
BT: Littoral zone
RT: Sabkhas

Suprarenal glands
USE: **Adrenal glands**

Supratidal zone
USE: **Supralittoral zone**

Surf
BT: Breaking waves
RT: Beaches
Surf zone
Surfing
Waves on beaches

Surf beats
BT: Trapped waves

Surf zone
UF: Breaker zone
BT: Beach features
RT: Breaking waves
Longshore currents
Nearshore dynamics
Rip currents

- Surf
- Undertow
- Wave dissipation
- Waves on beaches
- Surface active agents
- USE: **Surfactants**
- Surface activity**
- RT: Surface properties
- Surface area
- USE: **Area**
- Surface boundary layer
- USE: **Atmospheric boundary layer**
- Surface chemistry**
- BT: Chemistry
- RT: Air-water exchanges
- Bubble bursting
- Foams
- Sea surface
- Surface films
- Surface microlayer
- Surface properties
- Surfactants
- Surface circulation**
- UF: Near-surface circulation
- BT: Water circulation
- RT: Lake dynamics
- Langmuir circulation
- Ocean circulation
- Surface currents
- Wind-driven circulation
- Surface clutter**
- UF: Sea clutter
- Sea surface clutter
- BT: Radar clutter
- Surface craft**
- SN: Use of a narrower term is recommended
- UF: Surface vessels
- Vessels
- BT: Vehicles
- NT: Barges
- Boats
- Dredgers
- Hovercraft
- Hydrofoils
- Inflatable craft
- New vessels
- Ships
- RT: Decommissioning
- Defence craft
- Drilling vessels
- Drydocks
- Emergency vessels
- Fishing vessels
- Floating structures
- Mining vessels
- Protection vessels
- Research vessels
- Survey vessels
- Work platforms
- Surface currents**
- BT: Water currents
- NT: Contour currents
- RT: Lake currents
- Ocean currents
- Surface circulation
- Surface layers
- Wind-driven currents
- Surface drifters**
- BT: Drifters
- NT: Drift bottles
- Drift cards
- Drifting data buoys
- Drogues
- RT: Flotsam
- Surface Ekman layer**
- BT: Ekman layers
- RT: Oceanic boundary layer
- Wind-driven currents
- Surface energy
- USE: **Surface tension**
- Surface films**
- UF: Films (surface)
- Oil films
- Slicks (surface)
- NT: Biofilms
- Monomolecular films
- RT: Capillarity
- Layers
- Oil slicks
- Sea surface
- Slicks
- Surface chemistry
- Surface microlayer
- Wave damping
- Windrows
- Surface geometry (water waves)
- USE: **Wave geometry**
- Surface gravity waves**
- BT: Water waves
- RT: Cnoidal waves
- Nonlinear waves
- Seiches
- Solitary waves
- Storm surges
- Swell
- Tsunamis
- Wind waves
- Surface layer temperature
- USE: **Surface temperature**
- Surface layers**
- BT: Water column
- NT: Near-surface layer
- Surface microlayer
- Surface mixed layer
- RT: Epilimnion
- Langmuir circulation
- Surface currents
- Surface water
- Surface water masses
- Thermocline
- Upper ocean
- Wave interactions
- Surface microlayer**
- BT: Surface layers
- RT: Air-water interface
- Biofilms
- Monomolecular films
- Near-surface layer
- Sea surface
- Surface chemistry
- Surface films
- Surface radiation temperature
- Surfactants
- Surface mixed layer**
- BT: Mixed layer
- Surface layers
- RT: Atmospheric forcing
- Oceanic boundary layer
- Thermocline
- Thermocline decay
- Upper ocean
- Surface navigation
- USE: **Navigation**
- Surface noise**
- SN: Wind-generated noise, wave breaking, etc.
- UF: Wind-generated noise
- BT: Ambient noise
- RT: Shipping noise
- Surface of no motion
- USE: **Level of no motion**
- Surface phenomena
- USE: **Surface properties**
- Surface potential**
- RT: Surface properties
- Surface properties**
- UF: Surface phenomena
- BT: Properties
- NT: Roughness
- Texture
- RT: Adhesion
- Adsorption
- Air-water interface
- Albedo
- Capillarity
- Desorption
- Emissivity
- Flotation
- Interface phenomena
- Optical properties
- Physical properties
- Sea surface
- Sorption
- Surface activity

- Surface chemistry
- Surface potential
- Surface tension
- Surfaces
- Surfactants
- Water properties
- Wave geometry
- Windrows
- Surface radiation temperature**
 - UF: Brightness temperature
 - Skin temperature
 - BT: Surface temperature
 - RT: Air-water interface
 - Sea surface
 - Surface microlayer
 - Terrestrial radiation
- Surface roughness**
 - SN: Roughness of water surface
 - BT: Roughness
 - RT: Drag coefficient
 - Reflectance
 - Wind wave generation
- Surface salinity**
 - UF: Sea surface salinity
 - Water surface salinity
 - BT: Salinity
 - RT: Sea surface
- Surface seismic waves**
 - SN: Use of a more specific term is recommended
 - UF: Stoneley waves
 - Surface waves (seismic)
 - BT: Seismic waves
 - NT: Love waves
 - Rayleigh waves
 - RT: Ground motion
- Surface slope**
 - UF: Sea level slope
 - Sea surface slope
 - Water surface slope
 - RT: Dynamic topography
 - Geostrophic flow
 - Sea level
 - Sea surface
 - Surface topography
 - Wave slope
- Surface stress
 - USE: **Wind stress**
- Surface temperature**
 - SN: Before 1985 search also SEA
 - SURFACE TEMPERATURE
 - UF: Bucket temperature
 - Ocean surface temperature
 - Sea surface temperature
 - Surface layer temperature
 - Water surface temperature
 - BT: Water temperature
 - NT: Intake temperature
 - Surface radiation temperature
 - RT: Sea surface
- Surface tension**
 - UF: Interfacial tension
 - Surface energy
 - BT: Tension
 - RT: Capillarity
 - Capillary waves
 - Flotation
 - Interface phenomena
 - Surface properties
 - Surfactants
- Surface tension waves
 - USE: **Capillary waves**
- Surface topography**
 - SN: Before 1984 search also SEA
 - SURFACE TOPOGRAPHY
 - UF: Sea surface topography
 - Water surface topography
 - BT: Topography
 - RT: Dynamic topography
 - Geoid
 - Geoid anomalies
 - Marine geodesy
 - Satellite altimetry
 - Sea level
 - Sea level measurement
 - Sea surface
 - Surface slope
- Surface vessels
 - USE: **Surface craft**
- Surface water**
 - BT: Water
 - RT: Bottom water
 - Epilimnion
 - Evaporation
 - Groundwater recharge
 - Hyporheic zone
 - Shallow water
 - Surface layers
 - Surface water masses
- Surface water bodies
 - USE: **Water bodies**
- Surface water masses**
 - BT: Water masses
 - RT: Surface layers
 - Surface water
 - Upper ocean
- Surface water waves**
 - UF: Ocean waves
 - Surface waves (water)
 - BT: Water waves
 - NT: Breaking waves
 - Capillary waves
 - Long-crested waves
 - Seiches
 - Short-crested waves
 - Significant waves
 - Storm surges
 - Swell
 - Tidal waves
- Tsunamis
- Wind waves
- RT: Design wave
- Directional spectra
- Extreme waves
- Interfacial waves
- Near-surface layer
- Sea state
- Sea state scales
- Sea surface
- Short wave-long wave interactions
- Wave analysis
- Wave damping
- Wave geometry
- Wave measuring equipment
- Wave scouring
- Surface wave-internal wave interactions**
 - BT: Wave-wave interaction
 - RT: Dead water
 - Internal wave generation
 - Internal waves
- Surface wave recorders
 - USE: **Wave recorders**
- Surface waves (seismic)
 - USE: **Surface seismic waves**
- Surface waves (water)
 - USE: **Surface water waves**
- Surfaces**
 - NT: Erosion surfaces
 - Isobaric surfaces
 - Isopycnic surfaces
 - Sea surface
 - RT: Area
 - Boundaries
 - Interfaces
 - Layers
 - Levels
 - Surface properties
- Surfacing behaviour**
 - BT: Behaviour
- Surfactants**
 - UF: Surface active agents
 - BT: Agents
 - RT: Detergents
 - Dispersants
 - Soaps
 - Surface chemistry
 - Surface microlayer
 - Surface properties
 - Surface tension
- Surfing**
 - BT: Recreation
 - RT: Bathing
 - Surf
- Surge-tide interaction
 - USE: **Tide-surge interaction**

Surge response

BT: Dynamic response
RT: Buoy motion effects
Surging

Surge waves

USE: **Surges**

Surges

UF: Surge waves
NT: Storm surges
RT: Seiches
Tides
Wave period
Wind waves

Surges (beach)

USE: **Wave runoff**

Surges (seiches)

USE: **Seiches**

Surges (storm)

USE: **Storm surges**

Surging

BT: Ship motion
RT: Buoy motion effects
Surge response

Surimi

USE: **Minced products**

Surplus production

SN: Net annual increase in the resource biomass in the absence of fishing, due to the difference between growth + recruitment minus natural mortality
RT: Biomass
Modelling
Stock assessment

Surrounding nets

UF: Lampara nets
BT: Fishing nets
NT: Purse seines
RT: Seiners
Seining

Surveillance and enforcement

SN: Surveillance of marine space and enforcement of related laws
UF: Enforcement
Law enforcement
Ocean surveillance
Offshore protection
Protection (security)
Vessel seizure
RT: Coastguards
Defence craft
Detection
Fishery protection
Military operations
Observers
Piracy

Protection vessels
Regulatory compliance
Security
Smuggling

Survey design

RT: Aerial surveys
Echo surveys
Fishery charts
Fishery resources
Ichthyoplankton surveys
Statistical analysis
Statistical sampling
Stock assessment

Survey vessels

RT: Hydrographic surveying
Hydrographic surveys
Research vessels
Surface craft

Surveying

SN: Use of a more specific term is recommended
NT: Hydrographic surveying
Surveying underwater
Topographic surveying
RT: Cartography
Compasses
Locating
Mapping
Sampling
Surveying equipment
Surveys

Surveying equipment

BT: Equipment
RT: Airborne equipment
Diving equipment
Photographic equipment
Remote sensing equipment
Sonar
Surveying

Surveying underwater

UF: Underwater surveying
BT: Surveying
Working underwater
RT: Diving
Diving surveys
Photogrammetry
Seafloor sampling
Sediment sampling
Site surveys
Stereophotography
Underwater exploration
Underwater photography
Wreck location

Surveys

SN: Use of a more specific term is recommended
NT: Aerial surveys
Aeromagnetic surveys
Biological surveys
Diving surveys
Echo surveys

Environmental surveys
Fishery surveys
Frame surveys
Geochemical surveys
Geological surveys
Hydrographic surveys
Resource surveys
Site surveys
RT: Baseline studies
Bench marks
Cartography
Census
Cruises
Data collections
Expeditions
Exploration
Mapping
Surveying

Survival

UF: Survival aptitude
Survival rate
RT: Ecophysiology
Escapement
Lethal limits
Mortality
Mortality causes
Starvation
Sublethal effects
Tolerance
Toxicity

Survival aptitude

USE: **Survival**

Survival at sea

RT: Hypothermia
Life jackets
Lifeboats
Marine accidents
Search and rescue

Survival capsules

USE: **Lifeboats**

Survival of the fittest

USE: **Natural selection**

Survival rate

USE: **Survival**

Suspended culture

USE: **Off-bottom culture**

Suspended inorganic matter

SN: Before 1983 search also
INORGANIC SUSPENDED
MATTER
UF: Inorganic suspended matter
BT: Inorganic matter
NT: Colloidal clay
RT: Suspended organic matter
Suspended particulate matter
Turbidity
Water colour

Suspended load

SN: Sediment in transport
UF: Suspended load transport
BT: Sediment load
RT: Bed load
Resuspended sediments
Resuspension
Sediment transport
Suspension

Suspended load transport

USE: **Suspended load**

Suspended matter

USE: **Suspended particulate matter**

Suspended organic matter

SN: Before 1983 search also
ORGANIC SUSPENDED
MATTER
UF: Organic suspended matter
RT: Biogenic material
Detritus
Sapropels
Suspended inorganic matter
Suspended particulate matter
Turbidity
Water colour

Suspended particle motion

USE: **Particle motion**

Suspended particles

USE: **Suspended particulate matter**

Suspended particulate matter

SN: Before 1984 search also
SUSPENDED MATTER
UF: Particulate matter
Particulates (aquatic)
Suspended matter
Suspended particles
Suspended solids
Suspensoids
BT: Particulates
NT: Resuspended sediments
RT: Biogeochemical cycle
Colloids
Detrital deposits
Detritus
Eolian dust
Flocculation
Marine snow
Nepheloid layer
Ocean colour
Particle concentration
Particle counters
Particle scattering
Particulate flux
River plumes
Sediment transport
Sediment traps
Sedimentation
Seston
Sinking

Suspended inorganic matter
Suspended organic matter
Suspension
Turbidity
Water colour

Suspended sediments

USE: **Resuspended sediments**

Suspended solids

USE: **Suspended particulate matter**

Suspension

NT: Resuspension
RT: Flocculation
Particle motion
Saltation
Sediment transport
Slurries
Suspended load
Suspended particulate matter

Suspension currents

USE: **Turbidity currents**

Suspension feeders

USE: **Filter feeders**

Suspensoids

USE: **Suspended particulate matter**

Sustainability

SN: Ability to persist in the long-term. Often used as a short hand for sustainable development.
NT: Sustainable development
RT: Bioeconomics
Sustainable aquaculture
Sustainable fishing

Sustainable aquaculture

SN: Aquaculture activities that do not cause or lead to undesirable changes in the biological and economic productivity, biological diversity, or ecosystem structure and functioning from one generation to the next.
UF: Responsible aquaculture
BT: Aquaculture
RT: Sustainability

Sustainable development

SN: Management and conservation of the natural resource base, and the orientation of technological and institutional change in such a manner as to ensure the attainment of continued satisfaction of human needs for present and future generations.
UF: Sustainable management
BT: Sustainability

RT: Ecosystem approach
Spatial planning

Sustainable fishing

SN: Fishing activities that do not cause or lead to undesirable changes in the biological and economic productivity, biological diversity, or ecosystem structure and functioning from one human generation to the next
UF: Responsible fisheries
BT: Fishing
RT: FAO Code of Conduct for Responsible Fisheries
Sustainability

Sustainable management

USE: **Sustainable development**

Sustainable yield

USE: **Potential yield**

Sverdrup transport

BT: Transport
RT: Mass transport
Ocean circulation
Wind-driven circulation
Wind-driven currents
Wind stress

Swallow floats

UF: Neutrally buoyant floats
BT: Subsurface drifters
NT: Sofar floats
RT: Acoustic transponders
Pingers

Swamp fisheries

BT: Inland fisheries
RT: Swamps

Swamps

SN: A swamp is a wetland that is forested
BT: Wetlands
NT: Mangrove swamps
RT: Bogs
Deltas
Fens
Marshes
Mires
Muskeg
Shallow water
Swamp fisheries

Swash

USE: **Wave runup**

Swaths

RT: Seafloor mapping

Swaying

BT: Ship motion

Swell

UF: Ground swell
BT: Surface water waves
NT: Rollers
RT: Beach cusps
Surface gravity waves
Wind waves

Swept area

SN: The area of seabed swept by the trawl net during a fishing operation. Used in assessing the standing stock of demersal fish species and impact of fishing on the seabed
BT: Area
RT: Environmental assessment
Stock assessment
Trawling

Swim bladder

SN: Considered as hydrostatic organ
UF: Air bladder
Gas bladders
BT: Bladders
RT: Buoyancy
Flotation
Hydrostatic behaviour
Swimming
Whirling disease

Swimming

SN: Restricted to aquatic organisms. For recreational swimming use BATHING.
Before 1982 search
LOCOMOTION
BT: Locomotion
RT: Fins
Swim bladder

Swimming (recreation)

USE: **Bathing**

Swordfish fisheries

USE: **Tuna fisheries**

Syllabuses

USE: **Curricula**

Symbionts

UF: Ectosymbionts
Endosymbionts
RT: Commensals
Epiphytes
Symbiosis
Zooxanthellae

Symbiosis

UF: Mutualism
BT: Interspecific relationships
RT: Cleaning behaviour
Commensalism
Epibiosis
Parasites
Symbionts

Sympathetic nervous system

USE: **Autonomic nervous system**

Sympatric populations

SN: Populations of two or more closely related species living in the same geographical area or having overlapped geographical areas
RT: Allopatric populations
Geographical distribution
Population genetics

Symposia

USE: **Conferences**

Symptoms

UF: Syndromes
NT: Exophthalmia
Haemorrhage
Necroses
RT: Disease detection
Diseases
Medicine

Synapses

SN: Area of functional contact between two nerve cells
RT: Nervous system
Neurons
Neurotransmitters

Synclines

BT: Folds
RT: Anticlines
Geosynclines

Syndromes

USE: **Symptoms**

Synecology

UF: Biosociology
BT: Ecology
RT: Adaptations
Aquatic communities
Ecological associations
Environmental effects

Synergetic effects

USE: **Synergism**

Synergism

UF: Synergetic effects
Synergists
RT: Antagonism
Behaviour
Physiology

Synergists

USE: **Synergism**

Syngamy

USE: **Biological fertilization**

Synonymy

UF: Alternative name

Synonymism

RT: Taxonomy

Terminology

Synonymism

USE: **Synonymy**

Synopsis

SN: Comprehensive study on taxonomy and biology of a species
UF: Monographs
RT: Documents
Taxonomy

Synthetic aperture radar

BT: Microwave radar
RT: Scatterometers

Synthetic fibers

USE: **Synthetic fibres**

Synthetic fibre rope

USE: **Fibre rope (synthetic)**

Synthetic fibres

SN: Any types of synthetic fibres used for construction of nets, ropes, etc.
UF: Synthetic fibers
RT: Fibre rope (synthetic)
Netting materials
Plastics
Yarns

Synthetic sea water

USE: **Artificial seawater**

System analysis

SN: Including flow charting
UF: Systems analysis
RT: Computer programs
Mathematical models
Methodology
Operations research
Simulation
Statistical models

Systematics

USE: **Taxonomy**

Systems analysis

USE: **System analysis**

T-S diagrams

UF: T/S curves
T/S diagrams
BT: Graphs
RT: Core layer method
Core layers (water)
Salinity
Vertical profiles
Water masses
Water temperature
Water types

T/S curves
USE: **T-S diagrams**

T/S diagrams
USE: **T-S diagrams**

Tablemounts
USE: **Guyots**

Tables
SN: Tabulations of predicted values or of conversions of units. Use of a more specific term is recommended
UF: Mathematical tables
Tables (data)
Tables (mathematics)
BT: Documents
NT: Almanacs
Conversion tables
Decompression tables
Meteorological tables
Navigational tables
Oceanographic tables
Statistical tables
Tide tables

Tables (data)
USE: **Tables**

Tables (mathematics)
USE: **Tables**

Tables (statistical)
USE: **Statistical tables**

Tables (tides)
USE: **Tide tables**

Tabular bergs
USE: **Icebergs**

Tactile functions
BT: Sense functions
RT: Tactile organs

Tactile organs
BT: Sense organs
RT: Barbels
Tactile functions
Tactile stimuli

Tactile stimuli
BT: Stimuli
RT: Tactile organs

Tag returns
USE: **Tagging**

Tag shedding
USE: **Tags**

Tagging
UF: Tag returns
RT: Biotelemetry
Capture-recapture studies
Marking

Tagging mortality
Tags
Tracking

Tagging mortality
BT: Mortality
RT: Tagging

Tags
SN: Before 1982 search
TAGGING. Restricted to tags for aquatic organisms
UF: Tag shedding
NT: RFID tags
Sonic tags
RT: Tagging

Tags (acoustic)
USE: **Sonic tags**

Talks
USE: **Lectures**

Talweg
USE: **Thalweg**

Tangential stresses
USE: **Shear stress**

Tangle
USE: **Kelp**

Tangle nets
USE: **Gillnets**

Tank cleaning
BT: Cleaning
RT: Tanks

Tanker loading
SN: Loading/unloading operations for oil tankers
RT: Floating hoses
Loading buoys
Offshore operations
Tanker ships
Tanker terminals

Tanker ships
UF: Oil tankers
Tankers
BT: Merchant ships
RT: Submarine tankers
Tanker loading
Tanker terminals

Tanker terminals
UF: Oil terminals
Terminals (oil)
BT: Harbours
NT: Deep-water terminals
Offshore terminals
RT: Gas terminals
Offshore docking
Tanker loading
Tanker ships

Tankers
USE: **Tanker ships**

Tanks
SN: Description of tanks, their construction and use
UF: Water tanks
BT: Containers
NT: Culture tanks
Evaporation tanks
Oil tanks
Storage tanks
Towing tanks
Wave tanks
RT: Tank cleaning

Tanner crab fisheries
USE: **Crab fisheries**

Tantalum
BT: Heavy metals

Tape recordings (sound)
USE: **Audio recordings**

Taphrogeny
USE: **Rifting**

Tar
BT: Petroleum hydrocarbons
RT: Oil sands
Petroleum residues
Tar balls

Tar balls
BT: Solid impurities
RT: Oil pollution
Petroleum residues
Tar

Tar sands
USE: **Oil sands**

Target cells
BT: Receptors
RT: Antibodies
Hormones

Target strength
RT: Fish detection
Fish sizing
Sound reflection

Tarns
USE: **Glacial lakes**

Taste
SN: Before 1982 search
ORGANOLEPTIC
PROPERTIES
UF: Flavor
Flavour
Gustation
BT: Organoleptic properties
RT: Off flavour
Palatability
Taste functions
Taste tests

Taste functions

BT: Sense functions
RT: Taste
Taste organs

Taste organs

BT: Sense organs
RT: Chemoreceptors
Taste functions

Taste tests

UF: Flavour tests
Palatability tests
BT: Tests
RT: Palatability
Taste

Tax rates

USE: **Taxes**

Taxa

NT: Microbiological strains
New taxa
Species
RT: Plant strains
Taxonomy

Taxation

USE: **Taxes**

Taxes

UF: Rates and taxes
Tax rates
Taxation
RT: Operational costs

Taxis

BT: Orientation behaviour
NT: Chemotaxis
Phototaxis
Rheotaxis

Taxonomic keys

USE: **Identification keys**

Taxonomists

BT: Biologists
RT: Algologists
Botanists
Carcinologists
Entomologists
Ichthyologists
Malacologists
Taxonomy
Zoologists

Taxonomy

UF: Biological classification
Classification (biological)
Systematics
BT: Classification
NT: Chemotaxonomy
Numerical taxonomy
Serological taxonomy
RT: Biological speciation
Botany

Cladistics
Cryptic species
DNA barcoding
Holotypes
Identification keys
Lectotype
Meristic counts
Microbiology
Organism morphology
Palaeontology
Palynology
Phylogenetics
Phylogeny
Species identification
Synonymy
Synopsis
Taxa
Taxonomists
Typology
Zoology

Teaching

USE: **Education**

Teaching aids

USE: **Training aids**

Technetium

BT: Heavy metals
Transition elements
RT: Technetium compounds
Technetium isotopes

Technetium compounds

BT: Chemical compounds
RT: Technetium

Technetium isotopes

BT: Isotopes
RT: Technetium

Technical feasibility

UF: Technological feasibility
BT: Feasibility
RT: Technology

Technicians

BT: Experts
NT: Aquaculturists
RT: Scientific personnel
Technology

Technological feasibility

USE: **Technical feasibility**

Technological knowledge

USE: **Technology**

Technology

UF: Technological knowledge
NT: Appropriate technology
Biotechnology
Fibre optics
Fishery technology
Fishing technology
Food technology
Geotechnology

Marine technology
Materials technology
Metallurgy
Ship technology
RT: Engineering
Methodology
Technical feasibility
Technicians
Technology transfer

Technology transfer

UF: Innovation processes
Transfer of technologies
BT: Innovations
RT: Development projects
Extension activities
Fishery aid
International cooperation
Online instruction
Technology

Tectonic plates

USE: **Plates**

Tectonics

UF: Geotectonics
BT: Geology
NT: Epeirogeny
Orogeny
Plate tectonics
Vertical tectonics
RT: Marine geology
Nappes
Rifting
Structural basins
Structural geology
Subsidence
Tectonophysics

Tectonophysics

UF: Geodynamics
BT: Geophysics
RT: Continental drift
Earth crust
Moho
Tectonics

Teeth

BT: Mouth parts
RT: Radulae

Tektites

USE: **Extraterrestrial material**

Telecommunications

USE: **Communication systems**

Teleconnections

SN: Correlations between
oceanographic and climatic
events thousands of miles apart
RT: Air-sea interaction
El Nino phenomena
Ocean-atmosphere system
Solar-terrestrial activity
Temperature anomalies
Varves

Teledetection

USE: **Geosensing**

Telemetering

USE: **Telemetry**

Telemetry

UF: Telemetering

Telemetry systems

BT: Measurement

NT: Acoustic telemetry

Biotelemetry

Radio telemetry

RT: Communication systems

Data transmission

Monitoring systems

Satellite communication

Signal processing

Telemetry systems

USE: **Telemetry**

Telephone systems

SN: Before 1983 search

TELEPHONES

UF: Telephones

BT: Communication systems

RT: Internet

Social media

Submarine cables

Telephones

USE: **Telephone systems**

Television

USE: **Television systems**

Television systems

SN: Before 1982 search

TELEVISION

UF: Television

Video networks

BT: Communication systems

NT: Underwater television

RT: Cameras

Radio

Telex

BT: Communication systems

Telluric currents

UF: Earth currents

BT: Electric currents

RT: Coast effect

Geomagnetic field

Magnetotelluric methods

Tidal currents

Tellurium

BT: Heavy metals

RT: Tellurium isotopes

Tellurium isotopes

BT: Isotopes

RT: Tellurium

Tellurometers

BT: Measuring devices

Telson

BT: Animal appendages

Temperate zones

BT: Climatic zones

Temperature

BT: Thermodynamic properties

NT: Air temperature

Body temperature

Low temperature

Potential temperature

Sediment temperature

Temperature (air-sea)

Transition temperatures

Water temperature

RT: Heat

Heat budget

Heat transfer

Temperature anomalies

Temperature data

Temperature differences

Temperature fields

Temperature measurement

Temperature tolerance

Thermal radiation

Thermodynamics

Thermometers

Thermoreceptors

Temperature (air-sea)

BT: Temperature

RT: Hurricanes

Temperature anomalies

BT: Anomalies

RT: Solar-terrestrial activity

Teleconnections

Temperature

Temperature charts

SN: Charts showing distribution
of water temperature

BT: Hydrographic charts

RT: Isotherms

Temperature data

Temperature sections

Water temperature

Temperature contours

USE: **Isotherms**

Temperature data

BT: Data

NT: Water temperature data

RT: Temperature

Temperature charts

Temperature differences

Temperature gradients

Temperature profiles

Temperature sections

Temperature differences

NT: Air-water temperature
difference

RT: Artificial upwelling

Heat transfer

Temperature

Temperature data

Temperature effects

BT: Environmental effects

NT: Cold shock

Heat shock

RT: Bioclimatology

Post harvest losses

Pyrolysis

Temperature preferences

Temperature tolerance

Thermal aquaculture

Thermal stimuli

Water temperature

Winterkill

Temperature fields

BT: Fields

RT: Temperature

Temperature gradients

UF: Adiabatic lapse rates

Adiabatic temperature gradient

NT: Geothermal gradient

RT: Double diffusion

Temperature data

Temperature inversions

Temperature profiles

Thermal stratification

Thermal structure

Thermocline

Water temperature

Temperature inversion layers

USE: **Temperature inversions**

Temperature inversions

UF: Dicotermal layer

Temperature inversion layers

BT: Inversions

RT: Temperature gradients

Thermal stratification

Vertical stability

Temperature maximum layer

BT: Core layers (water)

RT: Temperature minimum layer

Temperature profiles

Temperature measurement

UF: Temperature measuring

BT: Measurement

NT: Geothermal measurement

RT: Temperature

Temperature measuring

USE: **Temperature measurement**

Temperature minimum layer

BT: Core layers (water)

RT: Temperature maximum layer

Temperature profiles

Temperature preferences

SN: Optimum temperature conditions for an organism
UF: Preferred temperature
RT: Temperature effects
Temperature tolerance
Thermal aquaculture

Temperature profiles

BT: Vertical profiles
RT: CTD profilers
STD profiles
Temperature data
Temperature gradients
Temperature maximum layer
Temperature minimum layer
Temperature sections
Water temperature

Temperature sections

BT: Hydrographic sections
RT: Bathythermographic data
Cold water masses
Isotherms
Temperature charts
Temperature data
Temperature profiles
Thermal stratification
Thermal structure
Vertical distribution
Water temperature

Temperature tolerance

UF: Cold tolerance
Heat tolerance
Thermal tolerance
BT: Tolerance
RT: Aestivation
Cold resistance
Cryobiology
Eurythermy
Homoiothermy
Indicator species
Stenothermy
Temperature
Temperature effects
Temperature preferences
Thermal stimuli
Thermoregulation

Templates

SN: Pertains to underwater drilling
RT: Drilling
Wellheads

Temporal distribution

BT: Distribution
NT: Monthly distribution
Seasonal distribution
RT: Geological time
Quantitative distribution
Temporal variations

Temporal variations

UF: Changes (time)

Variations (time)
NT: Long-term changes
Periodic variations
Short-term changes
RT: Oscillations
Phenology
Temporal distribution
Time series
Time series analysis
Variability

Temporary lakes
USE: **Intermittent lakes**

Temporary plankton
USE: **Meroplankton**

Temporary ponds

SN: Natural water bodies which remain dry for part of the year
UF: Seasonal ponds
Vernal pools
BT: Ephemeral water bodies
Ponds
RT: Drought resistance
Droughts
Ephemeral lakes
Ephemeral springs
Ephemeral streams
Temporary water bodies

Temporary rivers
USE: **Intermittent rivers**

Temporary water bodies

SN: A temporary water body is a wetland, spring, stream, river, pond or lake that only exists for a period of time i.e. is not perennial. They can be ephemeral or intermittent. Ephemeral water bodies exist for only a short time following precipitation or snowmelt - they are not the same as intermittent or seasonal water bodies, which exist for longer periods, but are still not perennial.
UF: Temporary waters
BT: Water bodies
NT: Ephemeral water bodies
Intermittent water bodies
RT: Ephemeral lakes
Ephemeral springs
Ephemeral streams
Temporary ponds

Temporary waters
USE: **Temporary water bodies**

Tendous musculature
USE: **Muscles**

Tensile strength

BT: Strength
RT: Deformation
Elasticity

Poisson's ratio
Shear strength
Stress-strain relations
Tension

Tensiometers
USE: **Tensometers**

Tension

BT: Stress (mechanics)
NT: Surface tension
RT: Tensile strength

Tension leg platforms

UF: Tethered buoyant platforms
BT: Fixed platforms
RT: Floating structures

Tensometers

UF: Tensimeters
BT: Measuring devices

Tentacles

BT: Animal appendages
NT: Sense tentacles
RT: Polyps

Tenure rights

USE: **Property rights**

Tephra

BT: Volcanic rocks
NT: Volcanic breccia
Volcanic lapilli
RT: Ash layers
Clastics
Sedimentary rocks
Volcanic eruptions

Teratogens

SN: Agents that raise the incidence of congenital malformations
RT: Genetic abnormalities
Teratology

Teratology

SN: Science treating malformations and monstrosities of plants and animals. Before 1982 search ABNORMALITIES
RT: Genetic abnormalities
Teratogens

Terbium

BT: Lanthanides

Terminals (oil)

USE: **Tanker terminals**

Terminology

SN: Standardization of common or scientific names and definition of technical or biological terms
UF: Definitions
Nomenclature

RT: Acronyms
Glossaries
Standardization
Standards
Synonymy
Thesaurus
Vernacular names

Terpenes

UF: Monoterpenes
BT: Polyunsaturated hydrocarbons
RT: Antibiotics
Seaweeds

Terraces

UF: Deep-sea terraces
Submarine terraces
BT: Topographic features
NT: Alluvial terraces
RT: Beach morphology
Fluvial morphology
Raised beaches
Strandlines
Wave-cut platforms

Terrestrial atmosphere
USE: **Earth atmosphere**

Terrestrial magnetism
USE: **Geomagnetism**

Terrestrial radiation

SN: Use for long wave radiation
component of atmosphere
UF: Long wave radiation
Net terrestrial radiation
BT: Electromagnetic radiation
NT: Downward long wave
radiation
Upward long wave radiation
RT: Cloud cover
Greenhouse effect
Infrared radiation
Radiation balance
Radiative transfer
Surface radiation temperature

Terrigenous deposits
USE: **Terrigenous sediments**

Terrigenous sediments

UF: Terrigenous deposits
BT: Sediments
RT: Clastics
Eolian deposits
Eolian dust
Flysch
Glacial deposits
Turbidites
Volcanic ash
Volcanogenic deposits

Territorial behaviour
USE: **Territoriality**

Territorial boundaries
USE: **Boundaries**

Territorial seas
USE: **Territorial waters**

Territorial waters

UF: Territorial seas
BT: Ocean space
RT: Coastal states
Contiguous zones
Continental shelves
Exclusive economic zone
Fishing rights
International boundaries
Piracy

Territoriality

SN: Animal behaviour related to
defending a territory from
intruders. Before 1984 search
also TERRITORIAL
BEHAVIOUR
UF: Territorial behaviour
BT: Behaviour
RT: Aggressive behaviour
Competitive behaviour
Dominance hierarchies
Home range

Territory
USE: **Home range**

Tertiary

SN: Before 1982 search
TERTIARY PERIOD
BT: Cenozoic
NT: Neogene
Palaeogene

Test equipment

SN: Equipment used for testing
apparatus and efficiency of gear
UF: Test facilities
BT: Equipment
RT: Electronic equipment
Hydraulic models
Laboratory equipment
Measuring devices
Sensors
Testing
Tests
Towing tanks
Wave tanks
Wind tunnels

Test facilities
USE: **Test equipment**

Test fishing
USE: **Experimental fishing**

Test methods
USE: **Tests**

Test organisms

BT: Aquatic organisms
RT: Bioassays
Indicator species

Toxicity tests

Testes

BT: Gonads
RT: Castration
Fecundity
Gonadosomatic index
Spermatogenesis
Sterility

Testing

NT: Biotesting
Materials testing
RT: Acceptability
Calibration
Inspection
Intercomparison
Performance assessment
Quality control
Test equipment
Tests

Testosterone

BT: Sex hormones
RT: Sex characters
Sex determination

Tests

SN: More specific term is
recommended
UF: Laboratory tests
Test methods
NT: Acceptance tests
Bioassays
Taste tests
Toxicity tests
RT: Accuracy
Analysis
Certification
Procedures
Quality assurance
Test equipment
Testing

Tests for significant differences
USE: **Statistical analysis**

Tethered buoyant platforms
USE: **Tension leg platforms**

Tethered free-swimming vehicles

BT: Free-swimming vehicles
Tethered vehicles

Tethered vehicles

SN: Underwater vehicles cable
controlled and/or powered
through a surface connecting
cable. Before 1982 search
TOWED BODIES
BT: Underwater vehicles
NT: Tethered free-swimming
vehicles
RT: Diving bells
Observation chambers
Seabed vehicles
Towed vehicles

Tetrodotoxin

BT: Biological poisons
RT: Neurotoxins

Texture

BT: Surface properties
NT: Sediment texture
RT: Porosity

Thalassothermal power

USE: **OTEC**

Thallium

BT: Heavy metals

Thallus

BT: Plant organs

Thalweg

SN: A line connecting the lowest points along a stream bed or a valley
UF: Talweg
Valley line
BT: Horizontal profiles
RT: River valleys
Submarine canyons

Thaw-drip

USE: **Thawing**

Thawing

SN: Thawing of frozen products.
For melting of ice/snow on land and in frozen soil, use ICE MELTING. For preventing and removing rime and glaze from decks, superstructures, equipment, etc., use DE-ICING
UF: Defrosting
Thaw-drip
RT: Deicing
Freezing
Frozen products
Ice melting
Refrigeration

Theories

SN: A working hypothesis given probable validity by experimental evidence. Use of a more specific term is recommended
UF: Theory
RT: Fishery sciences
Mathematical models
Research

Theory

USE: **Theories**

Therapy

UF: Disease treatment
Treatment for diseases
RT: Cancer
Disease control
Disease detection

Diseases

Drugs
Immunology
Medicine
Pathology
Pharmacology
Prophylaxis

Thermal aquaculture

UF: Heated effluent systems
Thermal fish farming
BT: Aquaculture techniques
RT: Cage culture
Fish culture
Freshwater aquaculture
Open systems
Pond culture
Shellfish culture
Temperature effects
Temperature preferences
Thermal plumes
Thermal pollution
Warm-water aquaculture
Waste heat

Thermal capacity

USE: **Specific heat**

Thermal conductivity

UF: Conductivity (thermal)
BT: Thermodynamic properties
RT: Eddy conductivity
Geothermal gradient
Heat conduction
Heat flow
Ice properties
Specific heat
Thermal diffusivity
Water properties

Thermal convection

USE: **Cellular convection**

Thermal decomposition

BT: Degradation
RT: River plumes
Thermal plumes
Thermal pollution
Thermodynamic properties

Thermal diffusion

BT: Diffusion
RT: Thermal diffusivity
Thermal plumes

Thermal diffusivity

UF: Thermometric conductivity
BT: Thermodynamic properties
RT: Eddy diffusivity
Thermal conductivity
Thermal diffusion
Water properties

Thermal domes

RT: Thermal structure

Thermal effluents

USE: **Thermal pollution**

Thermal equilibrium

USE: **Thermodynamic equilibrium**

Thermal expansion

UF: Thermal expansion coefficient
BT: Thermodynamic properties
RT: Specific volume
Water properties

Thermal expansion coefficient

USE: **Thermal expansion**

Thermal fish farming

USE: **Thermal aquaculture**

Thermal fronts

BT: Fronts
RT: Tidal fronts

Thermal imagery

USE: **Infrared imagery**

Thermal infrared imagery

USE: **Infrared imagery**

Thermal insulation

BT: **Insulating materials**

Thermal IR imagery

USE: **Infrared imagery**

Thermal microstructure

SN: Variations in the distribution of temperature on a scale of 10 cm or less
BT: Microstructure
RT: Water temperature

Thermal plumes

SN: Plumes caused by discharge of heated effluents in lakes, estuaries or marine coastal zones
BT: Plumes
RT: Thermal aquaculture
Thermal decomposition
Thermal diffusion
Thermal pollution
Water mixing

Thermal pollution

UF: Thermal effluents
BT: Pollution
RT: Cooling ponds
Cooling water
Heat
Radioactive wastes
Thermal aquaculture
Thermal decomposition
Thermal plumes
Thermodynamic properties
Water pollution
Water temperature

Thermal power

BT: Power from the sea
NT: Geothermal power
OTEC
RT: Artificial upwelling

Thermal properties

USE: **Thermodynamic properties**

Thermal radiation

UF: Heat radiation
BT: Radiations
RT: Electromagnetic radiation
Heat
Heat transfer
Solar radiation
Temperature
Thermodynamic properties
Ultraviolet radiation

Thermal springs (geothermal)

USE: **Geothermal springs**

Thermal springs (hot)

USE: **Hot springs**

Thermal springs (hydrothermal)

USE: **Hydrothermal springs**

Thermal stimuli

BT: Stimuli
RT: Body temperature
Temperature effects
Temperature tolerance
Thermodynamic properties
Thermoregulation

Thermal stratification

UF: Stratification (thermal)
BT: Stratification
RT: Cold water masses
Discontinuity layers
Epilimnion
Heat budget
Hypolimnion
Intermediate water masses
Metalimnion
Physical limnology
Physical oceanography
Sound channels
Temperature gradients
Temperature inversions
Temperature sections
Thermal structure
Thermocline
Thermodynamic properties
Water circulation
Water temperature

Thermal structure

RT: Atmospheric forcing
Hurricanes
Temperature gradients
Temperature sections
Thermal domes
Thermal stratification
Thermocline

Thermostads

Water temperature

Thermal tolerance

USE: **Temperature tolerance**

Thermistor arrays

USE: **Thermistor chains**

Thermistor chains

UF: Thermistor arrays
BT: Arrays
RT: Oceanographic equipment
Thermistors

Thermistors

RT: Electronic equipment
Flowmeters
Thermistor chains
XBTs

Thermocline

BT: Discontinuity layers
NT: Diurnal thermocline
Permanent thermocline
Seasonal thermocline
RT: Clines
Environmental factors
Epilimnion
Hypolimnion
Isotherms
Metalimnion
Mixed layer depth
Pycnocline
Surface layers
Surface mixed layer
Temperature gradients
Thermal stratification
Thermal structure
Thermocline decay
Vertical distribution
Water column
Water masses
Water temperature

Thermocline (lakes)

USE: **Metalimnion**

Thermocline decay

UF: Erosion (thermocline)
Thermocline erosion
RT: Surface mixed layer
Thermocline

Thermocline depth

USE: **Mixed layer depth**

Thermocline erosion

USE: **Thermocline decay**

Thermocouple arrays

BT: Arrays
RT: Thermocouples

Thermocouples

RT: Electronic equipment
Thermocouple arrays

Thermodynamic activity

UF: Activity coefficient
Chemical activity
BT: Thermodynamic properties
RT: Chemical equilibrium
Chemical reactions
Thermodynamics

Thermodynamic equilibrium

UF: Thermal equilibrium
BT: Equilibrium
Thermodynamic properties
RT: Chemical equilibrium
Thermodynamics

Thermodynamic properties

SN: Before 1982 search
THERMAL PROPERTIES
UF: Heat properties
Thermal properties
BT: Physical properties
NT: Enthalpy
Entropy
Free energy
Specific heat
Temperature
Thermal conductivity
Thermal diffusivity
Thermal expansion
Thermodynamic activity
Thermodynamic equilibrium
RT: Chemical properties
Electrical properties
Heat
Thermal decomposition
Thermal pollution
Thermal radiation
Thermal stimuli
Thermal stratification
Thermodynamics
Vapour pressure

Thermodynamics

BT: Physics
RT: Adiabatic processes
Enthalpy
Entropy
Equations of state
Heat
Heat sinks
Heat transfer
Isothermal processes
Phase changes
Temperature
Thermodynamic activity
Thermodynamic equilibrium
Thermodynamic properties

Thermohaline circulation

BT: Ocean circulation
NT: Haline circulation
RT: Wind-driven circulation

Thermometers

UF: Deep-sea thermometers
Reversing thermometers
BT: Measuring devices
RT: Bathythermographs
CTD profilers
STD profilers
Temperature

Thermometric conductivity
USE: **Thermal diffusivity**

Thermophototropism
USE: **Phototropism**

Thermoreceptors

BT: Receptors
RT: Temperature
Thermoregulation

Thermoregulation

UF: Thermoregulators
Thermoregulatory behaviour
RT: Aestivation
Body temperature
Dormancy
Hibernation
Homoiothermy
Poikilothermy
Temperature tolerance
Thermal stimuli
Thermoreceptors

Thermoregulators
USE: **Thermoregulation**

Thermoregulatory behaviour
USE: **Thermoregulation**

Thermostads

RT: Thermal structure
Water masses
Water temperature

Thermosteric anomalies

BT: Specific volume anomalies
RT: In situ density
Isothermal processes

Thesaurus

BT: Documents
RT: Terminology

Thiamine

USE: **Vitamin B**

Thickness

BT: Dimensions
NT: Crustal thickness
Ice thickness
RT: Depth

Thixotropy

RT: Gels

Tholeiite

BT: Basalts

RT: Pyroxenes
Quartz
Silica
Tholeiitic basalt

Tholeiitic basalt

BT: Basalts
RT: Tholeiite

Thorax

BT: Body regions
RT: Animal appendages
Cephalothorax

Thorium

BT: Actinides
RT: Monazite
Thorium compounds
Thorium isotopes

Thorium 230-thorium 232 dating

BT: Radiometric dating
RT: Thorium isotopes

Thorium compounds

BT: Actinide compounds
RT: Thorium

Thorium isotopes

BT: Isotopes
RT: Thorium
Thorium 230-thorium 232
dating

Threatened species

SN: Likely to become an
endangered species within the
foreseeable future through all or
a significant proportion of its
range. "Threatened" is an official
term on the IUCN Red List
BT: Species
RT: Aquatic animals
Aquatic plants
Nature conservation
Rare species
Species extinction
Vulnerable species

Three phase flow
USE: **Multiphase flow**

Threonine

BT: Amino acids

Thrust faults

BT: Faults

Thrusters

BT: Propulsion systems
RT: Dynamic positioning
Propellers
Shipboard equipment

Thunderstorms

BT: Storms
RT: Lightning

Thymus

SN: Before 1982 search
ENDOCRINE GLANDS
BT: Endocrine glands

Thyroid

SN: Before 1982 search
ENDOCRINE GLANDS
UF: Parathyroid
BT: Endocrine glands
RT: Nervous system

Tidal amplitude

BT: Wave amplitude
RT: Astronomical tides
Tidal power
Tidal range
Tidal waves

Tidal analysis

BT: Wave analysis
RT: Fourier analysis
Harmonic analysis
Response analysis
Tidal constants
Tidal constituents
Tidal motion
Tidal perturbation
Tidal prediction
Tide generating potential
Tides
Time series analysis

Tidal barrages

BT: Barrages
RT: Storm surge barriers
Tidal power
Tidal power plants

Tidal barriers

USE: **Storm surge barriers**

Tidal bores

UF: Bores
Bores in estuaries
Eagre
Mascaret
BT: Shallow water waves
RT: Hydraulic jump

Tidal channels

USE: **Tidal inlets**

Tidal charts

UF: Corange charts
BT: Hydrographic charts
NT: Cotidal charts
RT: Current charts
Tidal prediction
Tide tables

Tidal components

USE: **Tidal constituents**

Tidal constants

UF: Harmonic tidal constants

Tidal harmonic constants
RT: Harmonic functions
Tidal analysis
Tidal constituents

Tidal constituents

SN: Before 1983 search also
TIDAL COMPONENTS
UF: Harmonic tidal constituents
Partial tides
Tidal components
RT: Harmonic functions
Lunar tides
Pole tides
Radiational tides
Solar tides
Tidal analysis
Tidal constants

Tidal current charts
USE: **Current charts**

Tidal current tables
USE: **Tide tables**

Tidal currents

UF: Tidal flow
Tidal stream
BT: Water currents
NT: Ebb currents
Flood currents
Rotary currents
RT: Estuarine dynamics
Longshore currents
Oscillatory flow
Telluric currents
Tidal inlets
Tidal mixing
Tidal waves
Tide tables
Tides

Tidal curves

UF: Marigram
BT: Analog records
RT: Tidal records

Tidal cycles

BT: Cycles
RT: Eastern boundary currents
Ebb currents
Flood currents
Tidal models
Tidal range
Tides

Tidal datum

BT: Datum levels
RT: Mean sea level
Tide gauges

Tidal deposits

RT: Estuarine sedimentation
Intertidal sedimentation
Sediments
Shelf sedimentation
Trace fossils

Tidal dissipation

UF: Tidal energy dissipation
BT: Wave dissipation
RT: Tidal energy
Tidal friction
Tidal power

Tidal dynamics

BT: Wave dynamics
RT: Tidal motion
Tidal propagation
Tidal waves
Tides

Tidal effects

BT: Environmental effects
RT: Beach erosion
Tides

Tidal elevation
USE: **Tidal range**

Tidal energy

SN: Used for the natural energy
bound up in tidal motion of
water bodies. For exploitation of
that energy, e.g. for generating
electricity, use TIDAL POWER
BT: Wave energy
RT: Green energy
Tidal dissipation
Tidal friction
Tidal power

Tidal energy dissipation
USE: **Tidal dissipation**

Tidal environment
USE: **Intertidal environment**

Tidal equations

BT: Equations
RT: Laplace equation
Numerical analysis

Tidal flats

UF: Intertidal flats
BT: Coastal landforms
RT: Coastal zone
Estuarine sedimentation
Intertidal environment
Intertidal sedimentation
Mud
Mud banks
Salt marshes
Tidal marshes
Tides

Tidal flow
USE: **Tidal currents**

Tidal friction

BT: Friction
RT: Bottom friction
Earth rotation
Tidal dissipation

Tidal energy

Tidal fronts

SN: Formed in shallow seas where
well-stratified offshore waters
meet with coastal waters which
are well-mixed. Before 2016
search also for SHELF FRONTS
UF: Shallow-sea fronts
Shelf fronts
BT: Coastal fronts
RT: Benthic fronts
Coastal zone
Convergence
Density fronts
Downwelling
Estuarine fronts
Seasonal thermocline
Thermal fronts
Tides
Turbulence

Tidal harmonic constants
USE: **Tidal constants**

Tidal inlets

UF: Tidal channels
BT: Coastal inlets
RT: Barrier islands
Channels
Estuaries
Flushing
Tidal currents

Tidal loading
USE: **Ocean loading**

Tidal marshes

SN: Tidal marshes can be found
along protected coastlines in
middle and high latitudes
worldwide. Some are freshwater
marshes, others are brackish and
still others are saline, but they
are all influenced by the motion
of ocean tides. Tidal marshes are
normally categorized into two
distinct zones, the lower or
intertidal marsh and the upper or
high marsh
BT: Marshes
RT: Coastal marshes
Salt marshes
Tidal flats

Tidal mixing

UF: Tidal stirring
BT: Water mixing
RT: Shelf dynamics
Tidal currents

Tidal models

BT: Mathematical models
RT: Tidal cycles

Tidal motion

SN: Only to be used for general treatment of tidal motion in hydrosphere, atmosphere and solid earth
BT: Motion
NT: Atmospheric tides
Earth tides
Tides
RT: Fluid motion
Tidal analysis
Tidal dynamics

Tidal oscillations

BT: Oscillations
RT: Tidal resonance

Tidal perturbation

BT: Perturbations
RT: Nodal tides
Tidal analysis

Tidal pools

UF: Rock pools
Tide pools
RT: Intertidal environment

Tidal power

BT: Power from the sea
RT: Hydroelectric power
Tidal amplitude
Tidal barrages
Tidal dissipation
Tidal energy
Tidal power plants
Tidal range
Tides
Wave power

Tidal power plants

BT: Hydroelectric power plants
RT: Tidal barrages
Tidal power

Tidal prediction

UF: Tide predicting machines
Tide prediction
BT: Prediction
RT: Tidal analysis
Tidal charts
Tide tables
Tides

Tidal propagation

BT: Wave propagation
RT: Cotidal charts
Tidal dynamics
Tidal waves

Tidal range

UF: Tidal elevation
RT: Cotidal lines
Tidal amplitude
Tidal cycles
Tidal power

Tidal records

BT: Analog records
RT: Tidal curves
Tide gauges

Tidal resonance

BT: Resonance
RT: Tidal oscillations

Tidal scour

USE: **Current scouring**

Tidal stirring

USE: **Tidal mixing**

Tidal stream

USE: **Tidal currents**

Tidal waves

SN: Not to be used for TSUNAMIS
UF: Poincare waves
BT: Surface water waves
RT: Intertidal environment
Shallow water waves
Tidal amplitude
Tidal currents
Tidal dynamics
Tidal propagation
Tides
Tsunamis

Tide-surge interaction

UF: Surge-tide interaction
BT: Interactions
Wave-wave interaction
RT: Shallow water tides
Storm surge barriers
Storm surges

Tide gauges

UF: Tide measuring equipment
Tide pole
Tide staff
BT: Gauges
NT: Deep-sea tide gauges
RT: Pressure sensors
Tidal datum
Tidal records

Tide generating forces

USE: **Tide generating potential**

Tide generating potential

UF: Tide generating forces
Tide potential
RT: Tidal analysis

Tide measuring equipment

USE: **Tide gauges**

Tide pole

USE: **Tide gauges**

Tide pools

USE: **Tidal pools**

Tide potential

USE: **Tide generating potential**

Tide predicting machines

USE: **Tidal prediction**

Tide prediction

USE: **Tidal prediction**

Tide staff

USE: **Tide gauges**

Tide tables

UF: Tables (tides)
Tidal current tables
BT: Tables
RT: Current charts
Current velocity
Oceanographic tables
Tidal charts
Tidal currents
Tidal prediction

Tides

SN: Use for general papers on tidal motion in oceans, seas, lakes etc.
UF: Tides (hydrosphere)
BT: Tidal motion
NT: Astronomical tides
Barotropic tides
Diurnal tides
Estuarine tides
High tide
Long-period tides
Low tide
Lunar tides
Meteorological tides
Neap tides
Nodal tides
Ocean tides
Pole tides
Radiational tides
Semidiurnal tides
Shallow water tides
Solar tides
Spring tides
RT: Atmospheric tides
Dynamical oceanography
Earth tides
Ecological zonation
Moon phases
Ocean loading
Sea level
Surges
Tidal analysis
Tidal currents
Tidal cycles
Tidal dynamics
Tidal effects
Tidal flats
Tidal fronts
Tidal power
Tidal prediction
Tidal waves

Tides (atmospheric)
USE: **Atmospheric tides**

- Tides (earth)
USE: **Earth tides**
- Tides (hydrosphere)
USE: **Tides**
- Tie-in
USE: **Connecting**
- Tilapia culture**
SN: Before 2016 search FISH
CULTURE + species name
BT: Fish culture
- Tilapia diseases
USE: **Fish diseases**
- Tilapia industry
USE: **Fishery industry**
- Tilapia nutrition
USE: **Animal nutrition**
- Till
USE: **Boulder clay**
- Tiltmeters**
BT: Slope indicators
RT: Earth tides
Geophysical equipment
Seismology
Strain gauges
- Time measuring equipment
USE: **Chronometers**
- Time series**
RT: Fixed stations
Oceanographic data
Probability theory
Standard ocean sections
Temporal variations
Time series analysis
- Time series analysis**
BT: Statistical analysis
RT: Correlation analysis
Fourier analysis
Harmonic analysis
Spectral analysis
Stochastic processes
Temporal variations
Tidal analysis
Time series
- Timing devices
USE: **Chronometers**
- Tin**
BT: Heavy metals
RT: Cassiterite
Tin compounds
Tributyltin
- Tin compounds**
BT: Chemical compounds
- RT: Tin
Tributyltin
- Tissue banks
USE: **Gene banks**
- Tissue culture**
BT: Laboratory culture
RT: Cell culture
Culture media
Tissues
- Tissue morphology
USE: **Histology**
- Tissue transplants
USE: **Transplants**
- Tissues**
SN: Aggregation of similar cells
having the same functions
UF: Biological tissues
NT: Adipose tissue
Connective tissues
Epithelia
Nervous tissues
RT: Anatomical structures
Animal organs
Calcification
Cells
Grafting
Histochemistry
Histology
Histopathology
Muscles
Plant organs
Tissue culture
Transplants
Ultrastructure
- Titanite**
UF: Sphene
BT: Silicate minerals
- Titanium**
BT: Heavy metals
Transition elements
RT: Ferromanganese nodules
Ilmenite
Rutile
Titanium compounds
- Titanium compounds**
BT: Chemical compounds
RT: Titanium
- Titration**
UF: Amperometric titration
Chelatometric titration
Potentiometric titration
Titration techniques
BT: Analytical techniques
RT: Chemical reactions
Salinity measurement
Volumetric analysis
- Titration techniques
USE: **Titration**
- TOC
USE: **Total organic carbon**
- Tocopherol
USE: **Vitamin E**
- Todorokite**
BT: Oxide minerals
- Tolerance**
BT: Biological properties
NT: Exposure tolerance
Pollution tolerance
Salinity tolerance
Temperature tolerance
Toxicity tolerance
RT: Adaptations
Biological resistance
Biological traits
Ecophysiology
Environmental effects
Lethal limits
Limiting factors
Survival
- Tolerances (dimensional)**
RT: Design
Structural analysis
- Tombolos**
BT: Beach features
- Tomography**
SN: A radiological technique that shows a single plane (slice) of the object under examination, typically a part of an organism. Also used in non-destructive materials testing.
UF: CAT scan
Computed tomography
Computerized axial tomography
CT scan
BT: Radiography
RT: Acoustic tomography
Anatomy
Imaging techniques
Materials testing
Nondestructive testing
Organism morphology
- Tools (underwater)
USE: **Diving tools**
- Topographic effects**
SN: Influence of topography on fluid flow
NT: Bottom topography effects
RT: Contour currents
Flow over surfaces
Lee waves
Wave trapping

Topographic features

UF: Physiographic features
 Relief forms
 NT: Banks (topography)
 Beach features
 Channels
 Escarpments
 Karst
 Landforms
 Submarine features
 Terraces
 RT: Basins
 Bed forms
 Erosion features
 Geomorphology
 Glacial features
 Physiographic provinces
 Slopes (topography)
 Topographic maps
 Topography

Topographic maps

BT: Maps
 RT: Bathymetric charts
 Geological maps
 Topographic features
 Topographic surveying

Topographic planetary waves

USE: **Planetary waves**

Topographic surveying

BT: Surveying
 RT: Beach profiles
 Topographic maps

Topographic waves

BT: Water waves

Topography

NT: Dynamic topography
 Surface topography
 Topography (geology)
 RT: Contours
 Mapping
 Topographic features

Topography (geology)

BT: Topography
 NT: Bottom topography
 Subaerial topography

Topshell culture

BT: Gastropod culture

Tornadoes

RT: Atmospheric disturbances
 Low pressure systems
 Storms
 Vortices
 Waterspouts
 Winds

Torque

BT: Stress (mechanics)
 RT: Shear stress

Total allowable catch

UF: Allowable catch
 RT: Catch statistics
 Individual transferable quotas
 Quota regulations

Total mortality

UF: Total mortality coefficient
 BT: Mortality
 RT: Fishing mortality
 Natural mortality

Total mortality coefficient

USE: **Total mortality**

Total organic carbon

UF: TOC
 BT: Organic carbon
 RT: Dissolved organic carbon

Total oxygen demand

USE: **Oxygen demand**

Total scattering coefficient

USE: **Scattering coefficient**

Toughness

UF: Durability
 BT: Mechanical properties
 RT: Wear

Tourism

NT: Ecotourism
 RT: Recreation

Tourmaline

BT: Silicate minerals

Towed bodies

RT: Towed body design
 Towed sensors
 Towing
 Underwater vehicles

Towed body design

BT: Design
 RT: Ship technology
 Towed bodies
 Towed sensors
 Towed vehicles
 Towing
 Underwater vehicles

Towed sensors

UF: Fish (towed sensors)
 BT: Sensors
 RT: Cable depressors
 Towed bodies
 Towed body design
 Towed vehicles
 Towing lines
 Underwater vehicles
 Undulators

Towed vehicles

SN: Unmanned underwater
 vehicles lacking self-propulsion
 and free-swimming capability
 UF: Deep tow
 BT: Unmanned vehicles
 RT: Tethered vehicles
 Towed body design
 Towed sensors
 Towing
 Towing lines

Towers

SN: Fixed structures used as
 instrument platforms
 BT: Stabilized platforms

Towing

RT: Barges
 Towed bodies
 Towed body design
 Towed vehicles
 Towing lines
 Tugs
 Winches

Towing lines

BT: Cables
 RT: Cable depressors
 Mooring lines
 Ropes
 Towed sensors
 Towed vehicles
 Towing
 Wire angle

Towing tanks

BT: Tanks
 RT: Laboratory equipment
 Test equipment
 Wave tanks

Toxic organisms

USE: **Poisonous organisms**

Toxicants

SN: Artificial poisons and their
 effects
 RT: Algicides
 DDT
 Detoxification
 Hazardous materials
 Heavy metals
 Mortality causes
 PCB
 Pesticides
 Phenols
 Repellents
 Rotenone
 Toxicity
 Toxicity tests
 Toxicology

Toxicity

SN: Nature and virulence of toxic
 and poisonous substances
 BT: Biological properties

NT: Cytotoxicity
RT: Allergic reactions
Antibodies
Biological poisons
Biotesting
Detoxification
Endoparasites
Food poisoning
Heavy metals
Immunology
Lethal effects
Lethal limits
Nanoparticles
Pathology
Pollution effects
Radioactive contamination
Red tides
Sublethal effects
Survival
Toxicants
Toxicity tests
Toxicology

Toxicity indices
USE: **Toxicity tests**

Toxicity tests
UF: Toxicity indices
BT: Tests
RT: Bioassays
Biotesting
Hazard assessment
Pollutant identification
Test organisms
Toxicants
Toxicity
Toxicity tolerance
Toxicology

Toxicity tolerance
UF: Poison tolerance
BT: Tolerance
RT: Bioaccumulation
Sublethal effects
Toxicity tests
Toxicology

Toxicology
UF: Drug toxicology
NT: Ecotoxicology
RT: Biological poisons
Detoxification
Pharmacology
Pollutants
Toxicants
Toxicity
Toxicity tests
Toxicity tolerance

Toxins
USE: **Biological poisons**

Trace elements
NT: Trace metals
RT: Chemical elements
Nutrients (mineral)
Tracers

Trace fossils
BT: Biogenic sedimentary structures
NT: Fossilized tracks
RT: Burrows
Fossils
Palaeontology
Tidal deposits

Trace metals
BT: Trace elements
RT: Metals

Tracer techniques
NT: Isotope dilution
RT: Tracers

Tracers
NT: Dyes
Radioactive tracers
RT: Isotopes
Sediment transport
Trace elements
Tracer techniques

Trachea
SN: Before 1982 search
RESPIRATORY ORGANS
UF: Tracheal system
BT: Respiratory organs

Tracheal system
USE: **Trachea**

Track charts
BT: Maps
RT: Cruise reports
Cruise stations
Cruises
Station lists

Tracking
UF: Acoustic tracking
Continuous tracking
Fish tracking
Radio tracking
Tracking systems
Ultrasonic tracking
NT: Hurricane tracking
RT: Biotelemetry
Detection
Echo surveys
Identification
Locating
RFID tags
Tagging

Tracking systems
USE: **Tracking**

Traction
RT: Bed load
Particle motion
Sediment transport

Traction load
USE: **Bed load**

Trade
UF: Exports
Foreign trade
Imports
International trade
RT: Commerce
Economics
Globalization
Marketing
Pricing
Product labelling
Smuggling
Trade organizations

Trade associations
USE: **Trade organizations**

Trade organizations
UF: Trade associations
BT: Organizations
RT: Trade

Trade shows
USE: **Exhibitions**

Trade winds
UF: Tropical easterlies
BT: Planetary winds
NT: Equatorial easterlies
RT: Coastal upwelling
Tropical meteorology

Traditional ecological knowledge
USE: **Indigenous knowledge**

Traditional fishing
USE: **Artisanal fishing**

Traditional knowledge
USE: **Indigenous knowledge**

Traffic management
RT: Collision avoidance
Navigation regulations
Shipping
Shipping lanes

Training
SN: Before 1982 search
EDUCATION
RT: Capacity building
Education
Extension activities
Observers
Online instruction
Training aids
Training centres

Training aids
UF: Teaching aids
RT: Audiovisual materials
Manuals
Online instruction
Simulators
Training

Training centers
USE: **Training centres**

Training centres
UF: Training centers
RT: Education establishments
Training

Training programmes
USE: **Curricula**

Trammels
USE: **Entangling nets**

Trans-isopycnal mixing
BT: Water mixing
RT: Double diffusive instability
Internal wave breaking
Kelvin-Helmholtz instability
Mixing processes

Transboundary stocks
USE: **Shared stocks**

Transcription
RT: Documents

Transducer arrays
BT: Acoustic arrays
RT: Transducers

Transducers
BT: Equipment
NT: Acoustic transducers
Piezoelectric transducers
Ultrasonic transducers
RT: Accelerometers
Pressure sensors
Strain gauges
Transducer arrays

Transduction
RT: Bacteriophages

Transfer chambers
USE: **Decompression chambers**

Transfer of properties
USE: **Energy transfer**

Transfer of technologies
USE: **Technology transfer**

Transferases
SN: Before 1982 search
ENZYMES
BT: Enzymes

Transform faults
BT: Faults
RT: Mid-ocean ridges
Plate tectonics
Transform plate boundaries

Transform plate boundaries
BT: Plate boundaries

RT: Transform faults

Transgenic organisms
USE: **Genetically modified organisms**

Transgressions
UF: Marine transgressions
RT: Coasts
Deglaciation
Eustatic changes
Regressions
Retrogradation
Sea level changes
Submerged shorelines
Submergence

Transient polymorphism
USE: **Biopolymorphism**

Transition elements
BT: Metals
NT: Chromium
Cobalt
Copper
Gold
Iron
Manganese
Molybdenum
Nickel
Platinum
Scandium
Silver
Technetium
Titanium
Tungsten
Vanadium
Zirconium
RT: Actinides
Rare earths

Transition temperatures
BT: Temperature
NT: Boiling point
Dew point
Freezing point
Melting point
RT: Phase changes

Translations
RT: Documents

Transmission
NT: Light transmission
Sound transmission
RT: Absorption (physics)
Attenuation
Reflection
Transmission loss
Wave motion

Transmission (water waves)
USE: **Wave propagation**

Transmission loss
UF: Absorption loss
Reflection loss

Refraction loss
Scattering loss
Sound transmission loss
RT: Transmission

Transmission of diseases
USE: **Disease transmission**

Transmissometers
BT: Light measuring instruments
RT: Light absorption

Transmittance
BT: Optical properties
NT: Beam transmittance
RT: Attenuance
Light attenuation
Light penetration
Optical water types
Turbidity
Water transparency

Transparency
BT: Optical properties
NT: Water transparency
RT: Light absorption
Light refraction
Light transmission
Turbidity

Transparency (water)
USE: **Water transparency**

Transparency meters
USE: **Beam transmittance meters**

Transpiration
NT: Evapotranspiration
RT: Carbon cycle
Cuticles
Dehydration
Evaporation
Photosynthesis
Respiration
Stomata
Water balance
Water content

Transplantation
SN: Artificial introduction of organisms into habitats where they do not occur naturally.
Before 1982 search STOCKING (ORGANISMS)
UF: Transplantation techniques
RT: Introduced species
Seeding (aquaculture)
Stocking (organisms)

Transplantation techniques
USE: **Transplantation**

Transplants
SN: Tissue or organ grafted or transplanted to another part of the same individual or to another individual

UF: Biological transplantation
 Grafts
 Organ transplants
 Tissue transplants
 RT: Body organs
 Organ removal
 Tissues

Transponder arrays

BT: Acoustic arrays
 RT: Transponders

Transponder navigation
 USE: **Acoustic navigation**

Transponders

NT: Acoustic transponders
 RT: Electronic equipment
 Transponder arrays

Transport

SN: Use of a more specific term is recommended. For carriage of goods and passengers, use TRANSPORTATION
 NT: Ekman transport
 Heat transport
 Mass transport
 Sediment transport
 Sverdrup transport
 Volume transport
 RT: Transport processes

Transport (vehicular)
 USE: **Transportation**

Transport processes

NT: Advection
 Diffusion
 RT: Salt fingers
 Transport
 Water motion

Transportation

SN: Carriage of goods and passengers
 UF: Transport (vehicular)
 NT: Air transportation
 Marine transportation
 RT: Cargoes
 Post harvest losses
 Vehicles

Transuranic elements

BT: Metals
 NT: Americium
 Californium
 Curium
 Neptunium
 Plutonium

Transverse bars

UF: Finger bars
 BT: Nearshore bars
 RT: Transverse bed forms

Transverse bed forms

BT: Bed forms
 RT: Antidunes
 Gravel waves
 Ripple marks
 Sand patches
 Sand ripples
 Sand waves
 Transverse bars
 Unidirectional flow

Transverse mixing

BT: Water mixing

Trap fishing

UF: Trapping
 BT: Catching methods
 Fishing
 RT: Artisanal fishing
 Bait
 Bait fishing
 Crab fisheries
 Gastropod fisheries
 Lobster fisheries
 Trap nets

Trap nets

UF: Fish traps
 Fyke nets
 Pound nets
 Traps
 BT: Fishing nets
 RT: Pots
 Trap fishing

Trapped waves

UF: Bottom trapped waves
 Coastal trapped waves
 BT: Water waves
 NT: Edge waves
 Kelvin waves
 Shelf waves
 Surf beats
 RT: Nonlinear waves
 Wave trapping

Trapping
 USE: **Trap fishing**

Traps
 USE: **Trap nets**

Trash
 USE: **Litter**

Trash fish

SN: Fish and other aquatic organisms without commercial value for human food market
 UF: Industrial fish
 Rough fish
 BT: Fish

Trawl fisheries
 USE: **Trawling**

Trawl nets

UF: Trawls
 BT: Fishing nets
 NT: Bottom trawls
 Midwater trawls
 RT: Codends
 Net sounders
 Otter boards
 Trawlers
 Trawling

Trawl selectivity
 USE: **Gear selectivity**

Trawlers

UF: Beam trawlers
 Otter trawlers
 Pair trawlers
 BT: Fishing vessels
 RT: Pelagic fisheries
 Trawl nets
 Trawling

Trawling

UF: Pair trawling
 Trawl fisheries
 BT: Net fishing
 NT: Bottom trawling
 RT: Codends
 Flatfish fisheries
 Gadoid fisheries
 Net sounders
 Otter boards
 Swept area
 Trawl nets
 Trawlers
 Wire angle

Trawls
 USE: **Trawl nets**

Tray culture

BT: Aquaculture techniques
 RT: Oyster culture

Treaties
 USE: **International agreements**

Treatment for diseases
 USE: **Therapy**

Treatment of animals
 USE: **Animal welfare**

Trenches (oceanic)
 USE: **Oceanic trenches**

Trenches (pipelines)

RT: Ocean floor
 Pipelines
 Trenching

Trenching

UF: Ditching
 Ploughing trenches
 RT: Burying
 Dredging

- Pipeline construction
- Ploughs
- Soil mechanics
- Trenches (pipelines)
- Trepang fisheries
- USE: **Sea cucumber fisheries**
- Triassic**
- SN: Before 1982 search
- TRIASSIC PERIOD
- BT: Mesozoic
- Tributaries**
- SN: A river or stream flowing into a larger river or lake
- UF: Affluents
- BT: Rivers
- RT: Catchment area
- Distributaries
- Fluvial morphology
- Headwaters
- Water springs
- Tributyltin**
- RT: Tin
- Tin compounds
- Trichloroethylene**
- BT: Chlorinated hydrocarbons
- Triple junctions**
- RT: Plate boundaries
- Plates
- Tritium**
- BT: Hydrogen isotopes
- Troll lines
- USE: **Lines**
- Trollers
- USE: **Liners**
- Trolling**
- BT: Line fishing
- RT: Liners
- Lines
- Trophic levels**
- SN: The trophic level of an organism is the position it occupies in a food chain. A food chain represents a succession of organisms that eat another organism and are, in turn, eaten themselves. The number of steps an organism is from the start of the chain is a measure of its trophic level. Food chains start at trophic level 1 with primary producers such as plants, move to herbivores at level 2, predators at level 3 and typically finish with carnivores or apex predators at level 4 or 5. Ecological communities with higher biodiversity can form more complex trophic paths
- RT: Biological production
- Carnivores
- Ecosystems
- Energy flow
- Feeding behaviour
- Fishing down aquatic food webs
- Food chains
- Herbivores
- Omnivores
- Piscivores
- Stable isotopes
- Trophodynamic cycle
- Trophic relationships**
- RT: Food webs
- Interspecific relationships
- Intraspecific relationships
- Stable isotopes
- Trophic structure
- Trophodynamic cycle
- Trophic state**
- UF: Trophic state index
- RT: Eutrophic waters
- Eutrophication
- Hypereutrophic waters
- Hyperoligotrophic waters
- Hypertrophy
- Mesotrophic waters
- Oligotrophic waters
- Trophic state index
- USE: **Trophic state**
- Trophic status
- USE: **Trophic structure**
- Trophic structure**
- SN: Refers to the way in which organisms utilise food resources and hence where energy transfer occurs within an ecosystem
- UF: Trophic status
- Trophic zonality
- RT: Ecosystems
- Stable isotopes
- Trophic relationships
- Trophic zonality
- USE: **Trophic structure**
- Trophodynamic cycle**
- UF: Food cycle
- BT: Cycles
- RT: Biogenic material
- Biological production
- Energy flow
- Feeding behaviour
- Food webs
- Heterotrophic organisms
- Nutritional requirements
- Stable isotopes
- Trophic levels
- Trophic relationships
- Tropical aquaculture
- USE: **Warm-water aquaculture**
- Tropical climate
- USE: **Tropical environment**
- Tropical climatology
- USE: **Tropical meteorology**
- Tropical cyclones
- USE: **Hurricanes**
- Tropical depressions**
- SN: Before 1982 search also
- TROPICAL CYCLONES
- UF: Tropical storms
- BT: Atmospheric depressions
- NT: Hurricanes
- RT: Atmospheric disturbances
- Easterly waves
- Tropical meteorology
- Weather forecasting
- Tropical easterlies
- USE: **Trade winds**
- Tropical environment**
- SN: For global treatment of regional aspects of tropical waters use WORLD
- TROPICAL REGIONS in Geographic Authority List
- UF: Tropical climate
- BT: Environments
- RT: Dry season
- Monsoons
- Rainy season
- Tropical lakes
- Tropical meteorology
- Tropical oceanography
- Tropical fish**
- BT: Fish
- RT: Coral reefs
- Marine fish
- Ornamental fish
- Tropical lakes**
- BT: Lakes
- RT: Dry season
- Tropical environment
- Tropical meteorology**
- UF: Tropical climatology
- BT: Meteorology
- RT: Easterly waves
- Equatorial dynamics
- Equatorial trough
- Hurricanes
- Monsoons
- Trade winds
- Tropical depressions
- Tropical environment
- Tropical oceanography

Tropical oceanography

BT: Oceanography
RT: Equatorial circulation
Equatorial dynamics
Hurricane waves
Monsoon reversal
Monsoons
Tropical environment
Tropical meteorology

Tropical storms

USE: **Tropical depressions**

Tropism

NT: Chemotropism
Geotropism
Phototropism
Rheotropism
RT: Behaviour
Orientation behaviour
Stimuli

Tropopause

BT: Earth atmosphere
RT: Stratosphere
Troposphere

Troposphere

BT: Earth atmosphere
RT: Air temperature
Atmospheric boundary layer
Atmospheric fronts
Jet stream
Stratosphere
Tropopause
Weather

Trout culture

SN: Before 2016 search FISH
CULTURE + species name
BT: Fish culture

Trout fisheries

USE: **Salmon fisheries**

Tsunami generation

BT: Wave generation
RT: Earthquakes
Landslides
Tsunamis

Tsunami prediction

BT: Prediction
RT: Tsunamis
Warning services

Tsunamis

UF: Seismic sea waves
Tunamis
BT: Surface water waves
RT: Catastrophic waves
Damage assessment
Disasters
Earthquakes
Edge waves
Flooding
Floods

Shallow water waves
Surface gravity waves
Tidal waves
Tsunami generation
Tsunami prediction
Volcanic eruptions
Wave effects

Tube dwellers

SN: Organisms living in a
constructed tube
UF: Tube dwelling organisms
Tubicolous organisms
BT: Aquatic organisms
RT: Benthos

Tube dwelling organisms

USE: **Tube dwellers**

Tuberculosis

UF: Mycobacterial infections
BT: Bacterial diseases
RT: Fish diseases

Tubicolous organisms

USE: **Tube dwellers**

Tubing

SN: Use for tubular construction
and structural components
RT: Cylinders
Node construction
Pipes

Tugs

BT: Ships
RT: Support ships
Towing

Tumbling disease

USE: **Whirling disease**

Tumors

USE: **Tumours**

Tumours

UF: Carcinoma
Hepatoma
Neoplasms
Sarcoma
Tumors
BT: Diseases
RT: Antitumour agents
Cancer
Carcinogenesis
Proliferation

Tuna fisheries

UF: Albacore fisheries
Billfisheries
Bonito fisheries
King mackerel fisheries
Skipjack tuna fisheries
Swordfish fisheries
BT: Finfish fisheries
RT: Mackerel fisheries
Marine fisheries

Pelagic fisheries

Tunamis

USE: **Tsunamis**

Tungsten

BT: Heavy metals
Transition elements
RT: Tungsten compounds

Tungsten compounds

BT: Chemical compounds
RT: Tungsten

Tunnels

RT: Bridges
Straits

Turbidimeters

UF: Turbidity sensors
BT: Measuring devices
RT: Light measuring instruments
Turbidity

Turbidites

BT: Clastics
RT: Deep-sea fans
Terrigenous sediments
Turbidity currents

Turbidity

BT: Physical properties
RT: Absorption spectra
Aerosols
Colloids
Detritus
Haze
Land-based pollution
Light absorption
Light attenuation
Light scattering
Nepheloid layer
Particle concentration
Particle distribution
Particle size
River plumes
Suspended inorganic matter
Suspended organic matter
Suspended particulate matter
Transmittance
Transparency
Turbidimeters
Turbidity currents
Turbulence
Visibility underwater
Water colour
Water properties
Water transparency

Turbidity current structures

BT: Sedimentary structures
RT: Flow structures
Olistostromes
Turbidity currents

Turbidity currents

UF: Suspension currents
BT: Sediment gravity flows
RT: Bottom currents
Cohesionless sediments
Density flow
Nepheloid layer
Sediment transport
Turbidites
Turbidity
Turbidity current structures

Turbidity sensors

USE: **Turbidimeters**

Turbines

BT: Motors
RT: Power plants
Propulsion systems
Wind farms

Turbulence

UF: Isotropic turbulence
NT: Atmospheric turbulence
Oceanic turbulence
RT: Diffusion
Eddy conductivity
Eddy diffusivity
Eddy viscosity
Reynolds stresses
Tidal fronts
Turbidity
Turbulent boundary layer
Turbulent diffusion
Turbulent flow
Turbulent transfer
Vortices
Vorticity
Wakes
Water circulation
Wave interactions

Turbulence measurement

BT: Flow measurement
RT: Anemometers
Atmospheric turbulence
Wind measuring equipment

Turbulent boundary layer

BT: Boundary layers
RT: Laminar boundary layer
Reynolds stresses
Turbulence
Turbulent flow

Turbulent diffusion

UF: Eddy diffusion
BT: Diffusion
RT: Atmospheric diffusion
Dye dispersion
Eddy conduction
Eddy diffusivity
Eddy viscosity
Mixing processes
Turbulence

Turbulent energy

USE: **Eddy kinetic energy**

Turbulent entrainment

BT: Fluid motion
RT: Buoyant jets
Entrainment
Mixing processes
Plumes
Salt-wedge estuaries
Separation
Turbulent flow

Turbulent exchange

USE: **Eddy flux**

Turbulent flow

BT: Fluid flow
NT: Cavitation
Turbulent shear flow
RT: Channel flow
Eddy viscosity
Laminar flow
Multiphase flow
Reynolds number
Reynolds stresses
Turbulence
Turbulent boundary layer
Turbulent entrainment
White water river recreation

Turbulent heat transfer

USE: **Eddy conduction**

Turbulent jets

USE: **Jets**

Turbulent shear flow

BT: Shear flow
Turbulent flow

Turbulent shear stresses

USE: **Reynolds stresses**

Turbulent transfer

RT: Turbulence

Turions

BT: Plant reproductive structures

Turnover

USE: **Overtorn**

Turtle culture

BT: Reptile culture
RT: Turtle fisheries

Turtle entanglement

BT: Entanglement

Turtle excluder devices

BT: By-catch excluder devices

Turtle fisheries

BT: Fisheries
RT: Turtle culture

Twine

USE: **Yarns**

Two phase flow

USE: **Multiphase flow**

Type localities

SN: Specific geographic area in which the type specimens were first collected
RT: Distribution records
Holotypes
New taxa

Type specimens

USE: **Holotypes**

Typhoons

USE: **Hurricanes**

Typology

SN: The study of types as of constitutional types
RT: Ecotypes
Genotypes
Holotypes
Lectotype
Phenotypes
Taxonomy

Tyrosine

BT: Amino acids

UDN

USE: **Ulcerative dermal necrosis**

Ulcer disease

USE: **Vibriosis**

Ulcerative dermal necrosis

UF: UDN
BT: Fish diseases
Necroses

Ultramafic rocks

BT: Igneous rocks
NT: Ophiolites
Peridotite

Ultrasonic devices

UF: Ultrasonic equipment
NT: Ultrasonic transducers
RT: Ultrasonics

Ultrasonic equipment

USE: **Ultrasonic devices**

Ultrasonic testing

USE: **Nondestructive testing**

Ultrasonic tracking

USE: **Tracking**

Ultrasonic transducers

BT: Transducers
Ultrasonic devices

Ultrasonics

BT: Acoustics
RT: Ultrasonic devices

Ultrastructure

UF: Fine structure (biology)
Finestructure (biology)
RT: Biotechnology
Cells
Electron microscopy
Tissues

Ultraviolet radiation

SN: Wavelength range between
0.02-0.4 microns
BT: Electromagnetic radiation
RT: Light
Ozone
Solar radiation
Sterilization
Thermal radiation
Ultraviolet sterilization

Ultraviolet sterilization

SN: The sterilization of water by
passing it near sources of
ultraviolet radiation
BT: Sterilization
RT: Ultraviolet radiation

Umbilicals

BT: Cables
RT: Diving suits
Electric cables
Life support systems

UN Convention on Law of the Sea
USE: **United Nations Convention
on Law of the Sea**

UN Fish Stock Agreement
USE: **United Nations Fish Stock
Agreement**

Uncertainty

SN: Lack of perfect knowledge of
many factors that effects stock
assessments, estimation of
biological reference points, and
management Use as qualifier
when searching
RT: Climatic changes
Management
Probability theory
Risks
Scientific advice
Weather forecasting

UNCLOS
USE: **United Nations Convention
on Law of the Sea**

Uncontrolled spawning
USE: **Wild spawning**

Unconventional resources

UF: Nonconventional resources

BT: Natural resources
RT: Food resources
Living resources
Potential resources
Potential yield

Under-ice environment
USE: **Epontic environment**

Under-ice organisms
USE: **Epontic organisms**

Under keel clearance
USE: **Keel clearance**

Undercurrents

BT: Water currents
NT: Equatorial undercurrents
Western boundary
undercurrents
RT: Coastal countercurrents
Ocean currents

Underdeveloped countries
USE: **Developing countries**

Underfishing

SN: Characteristic of a stock
which may sustain catches
higher than current ones
BT: Commercial fishing

Underground water
USE: **Ground water**

Underkeel clearance
USE: **Keel clearance**

Undersea warfare

UF: Anti-submarine warfare
RT: Military oceanography
Military operations
Seabed conventions
Submarines
Underwater explosions

Undertow

BT: Nearshore currents
RT: Breakers
Rip currents
Surf zone
Waves on beaches

Underutilized species

SN: Commercial species which
are not fully utilized
BT: Commercial species

Underwater acoustics
USE: **Acoustics**

Underwater ambient noise
USE: **Ambient noise**

Underwater biotelemetry
USE: **Biotelemetry**

Underwater cameras

BT: Cameras
Underwater equipment
RT: Underwater photography
Underwater television
Visibility underwater

Underwater connectors
USE: **Connectors**

Underwater engineering
USE: **Offshore engineering**

Underwater equipment

BT: Equipment
NT: Underwater cameras
RT: Diving tools
Sonar
Underwater exploitation
Underwater vehicles
Working underwater

Underwater erosion
USE: **Bottom erosion**

Underwater escarpments
USE: **Submarine scarps**

Underwater excavation
USE: **Excavation underwater**

Underwater exploitation

BT: Exploitation
RT: Exclusive economic zone
Mineral resources
Offshore engineering
Oil wells
Underwater equipment

Underwater exploration

BT: Exploration
RT: Bathyspheres
Coring
Deep-sea diving
Diving
Diving surveys
Drilling
Geographical exploration
Mineral resources
Offshore engineering
Seafloor mapping
Surveying underwater
Underwater photography
Underwater television
Underwater vehicles

Underwater explosions

BT: Explosions
RT: Nuclear explosions
Undersea warfare

Underwater habitats

SN: Seabed chambers for human
occupation. Before 1982 search
ARTIFICIAL HABITATS
UF: Artificial habitats
Chambers (one-atmosphere)

Habitats (artificial)
Human underwater habitats
Seabed habitats
BT: Habitat
Underwater structures
RT: Accommodation
Caissons
Diving bells
Work platforms
Working underwater

Underwater ice profiles
USE: **Ice canopy**

Underwater inspection
BT: Inspection

Underwater light sources
USE: **Light sources**

Underwater medicine
UF: Diving medicine
BT: Medicine
RT: Bone necrosis
Decompression sickness
Diving
Diving physiology
Hypercapnia
Hyperthermia
Hypothermia
Hypoxia
Nitrogen narcosis

Underwater navigation
USE: **Navigation underwater**

Underwater noise
BT: Noise (sound)
NT: Reverberation
RT: Ambient noise

Underwater object location
BT: Locating
RT: Search and rescue
Wreck location

Underwater photographs
BT: Photographs
NT: Bottom photographs
RT: Underwater photography

Underwater photography
BT: Photography
RT: Surveying underwater
Underwater cameras
Underwater exploration
Underwater photographs
Underwater television
Visibility underwater
Working underwater

Underwater propulsion
UF: Underwater propulsion
systems
RT: Nuclear propulsion
Propulsion systems
Underwater vehicles

Underwater propulsion systems
USE: **Underwater propulsion**

Underwater research vessels
USE: **Underwater vehicles**

Underwater shelters
USE: **Shelters**

Underwater sound transmission
USE: **Sound waves**

Underwater structures
SN: Work platforms and
equipment located and fixed to
seabed
BT: Offshore structures
NT: Pipelines
Underwater habitats
Wellheads
RT: Guide lines
Offshore engineering
Oil tanks
Work platforms
Working underwater

Underwater surveying
USE: **Surveying underwater**

Underwater television
BT: Television systems
RT: Underwater cameras
Underwater exploration
Underwater photography
Visibility underwater

Underwater tools
USE: **Diving tools**

Underwater topography
USE: **Bottom topography**

Underwater tracking systems
USE: **Acoustic tracking systems**

Underwater vehicles
SN: Before 1982 search
UNDERWATER RESEARCH
VESSELS
UF: Underwater research vessels
BT: Vehicles
NT: Free-swimming vehicles
Manned vehicles
Self-propelled vehicles
Tethered vehicles
Unmanned vehicles
RT: Ballast tanks
Defence craft
Manipulators
Mother ships
Ship technology
Towed bodies
Towed body design
Towed sensors
Underwater equipment
Underwater exploration

Underwater propulsion
Work platforms

Underwater viewing
USE: **Viewing underwater**

Underwater visibility
USE: **Visibility underwater**

Underwater wellheads
USE: **Wellheads**

Underwater work
USE: **Working underwater**

Undulators
UF: Batfish
RT: Oceanographic equipment
Towed sensors

Unidirectional flow
BT: Fluid motion
RT: Channel flow
Oscillatory flow
Residual flow
Stream flow
Transverse bed forms

Unit stocks
SN: Self-sustaining genetic
entities
BT: Stocks
RT: Population genetics
Subpopulations

**United Nations Convention on
Law of the Sea**
SN: Before 2016 search LAW OF
THE SEA +
INTERNATIONAL LAW
UF: UN Convention on Law of
the Sea
UNCLOS
BT: International agreements
RT: Law of the sea
United Nations Fish Stock
Agreement

**United Nations Fish Stock
Agreement**
SN: Before 2016 search LAW OF
THE SEA + STRADDLING
STOCKS + MIGRATORY
SPECIES
UF: UN Fish Stock Agreement
BT: International agreements
RT: Law of the sea
Migratory species
Shared stocks
Straddling stocks
United Nations Convention on
Law of the Sea

Universities
USE: **Education establishments**

Unloading

USE: **Fish handling**

Unmanned submersibles

USE: **Unmanned vehicles**

Unmanned vehicles

SN: Unmanned underwater vehicles capable of self-propulsion and manoeuvrability

UF: Remotely operated vehicles

ROVs

Submersibles (unmanned)

Unmanned submersibles

BT: Underwater vehicles

NT: Seabed vehicles

Towed vehicles

Untethered vehicles

RT: Manned vehicles

Unsaturated hydrocarbons

BT: Hydrocarbons

NT: Alkenes

Alkynes

Aromatic hydrocarbons

Polyunsaturated hydrocarbons

Unsteady flow

BT: Fluid motion

RT: Barotropic instability

Laminar flow

Multiphase flow

Unsteady state

RT: Equilibrium

Instability

Steady state

Untethered vehicles

SN: Self-propelled, self-powered unmanned underwater vehicles controlled by acoustic command

BT: Self-propelled vehicles

Unmanned vehicles

RT: Free-swimming vehicles

Remote control

Wet submersibles

Uplift

BT: Epeirogeny

RT: Emergent shorelines

Progradation

Raised beaches

Regressions

Subsidence

Upper atmosphere

BT: Earth atmosphere

NT: Ionosphere

Upper layers (lakes)

USE: **Epilimnion**

Upper layers (ocean)

USE: **Upper ocean**

Upper mantle

UF: Outer mantle

BT: Earth mantle

RT: Asthenosphere

Lithosphere

Lower mantle

Upper ocean

SN: The ocean above and including the permanent thermocline

UF: Upper layers (ocean)

RT: Oceanic boundary layer

Oceans

Permanent thermocline

Surface layers

Surface mixed layer

Surface water masses

Upper tertiary

USE: **Neogene**

Upstream migrations

USE: **Anadromous migrations**

Uptake (biological)

USE: **Biological uptake**

Upward irradiance

BT: Irradiance

Upward long wave radiation

BT: Terrestrial radiation

Upwelling

BT: Vertical water movement

NT: Artificial upwelling

Coastal upwelling

Ekman transport

Equatorial upwelling

RT: Coastal currents

Coastal fronts

Divergence

Divergence zones

Downwelling

Ekman pumping

Fog

Mixing processes

Nearshore currents

Oceanic divergences

Vertical advection

Water circulation

Water mixing

Wind-driven currents

Winds

Uranium

BT: Actinides

RT: Radioactivity

Uranium compounds

Uranium isotopes

Uranium-helium dating

BT: Radiometric dating

RT: Helium isotopes

Uranium isotopes

Uranium 234-Uranium 238 ratio

RT: Radiometric dating

Uranium isotopes

Uranium compounds

BT: Actinide compounds

Chemical compounds

RT: Uranium

Uranium isotopes

BT: Isotopes

RT: Uranium

Uranium-helium dating

Uranium 234-Uranium 238 ratio

Urban development

USE: **Urbanization**

Urban runoff

BT: Runoff

Urban watersheds

SN: An urban watershed is defined as including urban and downtown areas, city neighborhoods, suburban municipalities, and unincorporated areas characterized by encroaching urban sprawl

UF: Sewersheds

BT: Watersheds

RT: Drainage water

Industrial wastes

Sewage disposal

Waste water

Urbanization

UF: Development (urban)

Urban development

RT: Rural development

Urea

BT: Organic compounds

RT: Ammonia

Nitrogen compounds

Organic fertilizers

Urine

Urinary system

BT: Anatomical structures

RT: Cloaca

Kidneys

Urine

Urine

BT: Body fluids

Excretory products

RT: Kidneys

Urea

Urinary system

Water balance

Usage

USE: **Utilization**

Use of water

USE: **Water use**

User participation

SN: Where resource users play an active role in the process of management,

UF: Citizen participation

Citizen science

Community involvement

Community participation

NT: Participatory approach

RT: Community planning

River restoration

Utilization

UF: Application

Usage

NT: Plant utilization

Waste utilization

Water use

Vaccination

BT: Immunization

RT: Disease resistance

Immunoprecipitation

Infectious diseases

Vaccines

Vaccines

UF: Bacterial vaccines

Fungal vaccines

Viral vaccines

BT: Drugs

NT: Bacterins

RT: Antibodies

Antigens

Immunoprecipitation

Vaccination

Valine

BT: Amino acids

Valley line

USE: **Thalweg**

Valleys

BT: Landforms

NT: Drowned valleys

Rift valleys

River valleys

Submarine valleys

RT: Channels

Fracture zones

Oceanic trenches

Watersheds

Valliculture

SN: Lagoon culture where sluices open and close the mouth of the lagoon

BT: Aquaculture techniques

RT: Brackishwater aquaculture

Extensive culture

Lagoons

Pond culture

Vanadium

BT: Heavy metals

Transition elements

RT: Ferromanganese nodules

Vanadium compounds

Vanadium compounds

BT: Chemical compounds

RT: Vanadium

Vane devices

BT: Geological equipment

RT: Shear strength

Vane shear testing

Vane shear testing

RT: Cohesive sediments

Shear strength

Vane devices

Vanes

UF: Current meter vanes

Wind vanes

RT: Direction indicators

Vaporization

BT: Phase changes

NT: Evaporation

Sublimation

RT: Cavitation

Vaporization heat

Vaporization heat

UF: Latent heat of vaporization

BT: Enthalpy

RT: Condensation

Vaporization

Vapour pressure

UF: Saturation vapour pressure

Vapour tension

Water vapour pressure

BT: Pressure

RT: Bowen ratio

Condensation

Humidity

Thermodynamic properties

Water vapour

Vapour tension

USE: **Vapour pressure**

Variability

RT: Equilibrium

Nonlinearity

Temporal variations

Wind constancy

Variance analysis

SN: Includes covariance

BT: Statistical analysis

NT: Multivariate analysis

RT: Correlation analysis

Numerical taxonomy

Regression analysis

Variations (magnetic)

USE: **Magnetic variations**

Variations (phenotypic)

USE: **Phenotypic variations**

Variations (space)

USE: **Spatial variations**

Variations (time)

USE: **Temporal variations**

Varves

BT: Bedding structures

RT: Glacial deposits

Teleconnections

Vascular system

USE: **Circulatory system**

Vectors

NT: Biological vectors

Curl (vectors)

Current vectors

Wind vectors

RT: Hodographs

Velocity

Vegetal fossils

UF: Plant fossils

BT: Fossils

NT: Fossil diatoms

Fossil pollen

Fossil spores

Vegetation control

USE: **Plant control**

Vegetation cover

SN: Plants covering the surface of water bodies or littoral zone

RT: Dune stabilization

Emergent vegetation

Flora

Oases

Patchiness

Plant control

Plant growth

Vegetative reproduction

BT: Reproduction

RT: Asexual reproduction

Budding

Plant reproductive structures

Rhizomes

Vehicles

SN: Use of a more specific term is recommended

NT: Aircraft

Amphibious vehicles

Surface craft

Underwater vehicles

RT: Manoeuvrability

Propulsion systems

Steering systems

Transportation

Veins

USE: **Blood vessels**

Veligers

BT: Molluscan larvae

RT: Meroplankton

Velocity

UF: Absolute velocity

Speed

NT: Current velocity

Group velocity

Orbital velocity

Phase velocity

Seismic velocities

Settling rate

Ship speed

Sound velocity

Wave drift velocity

Wave velocity

Wind speed

RT: Acceleration

Kinematics

Vectors

Velocity gradients

Velocity profilers

Velocity profiles

Velocity gradients

BT: Gradients

RT: Velocity

Velocity profiles

Vertical shear

Wind profiles

Velocity measurement (water)

USE: **Current measurement**

Velocity microstructure

BT: Microstructure

RT: Current velocity

Velocity profilers

UF: Profiling current meters

BT: Profilers

RT: Dropsonde

Free-fall profilers

Velocity

Velocity profiles

Velocity profiles

BT: Vertical profiles

NT: Current profiles

Wind profiles

RT: Velocity

Velocity gradients

Velocity profilers

Velocity sections

Vertical shear

Vortex shedding

Velocity sections

BT: Hydrographic sections

RT: Current velocity

Velocity profiles

Venom apparatus

RT: Biological poisons

Noxious organisms

Poisonous fish

Secretory organs

Stinging organs

Venoms

USE: **Biological poisons**

Ventilation

RT: Air conditioning

Vents (hydrothermal)

USE: **Hydrothermal springs**

Venules

USE: **Blood vessels**

Vermiculite

BT: Clay minerals

Vernacular names

UF: Common names

Local names

RT: Terminology

Vernal pools

USE: **Temporary ponds**

Vertebrae

BT: Bones

RT: Spinal cord

Vertebrae counts

Vertebrae counts

BT: Meristic counts

RT: Endoskeleton

Vertebrae

Vertebrate zoology

UF: Chordate zoology

BT: Zoology

NT: Herpetology

Ichthyology

Mammalogy

Ornithology

Osteology

Vertical advection

UF: Vertical transport

BT: Advection

RT: Upwelling

Vertical motion

Vertical water movement

Water column

Vertical distribution

SN: Use for distribution of aquatic organisms. Use VERTICAL PROFILES for physical and chemical properties

UF: Bathymetric distribution

Depth distribution

BT: Geographical distribution

RT: Bathymetric charts

Diurnal variations

Ecological zonation

Oxygen sections

Salinity sections

Seasonal variations

Spatial variations

Temperature sections

Thermocline

Vertical migrations

Vertical profiles

Vertical sections

Vertical migrations

BT: Migrations

RT: Biological rhythms

Diurnal variations

Environmental effects

Orientation

Phototaxis

Phototropism

Vertical distribution

Vertical mixing

BT: Water mixing

RT: Double diffusion

Vertical water movement

Vertical motion

RT: Atmospheric motion

Fluid motion

Vertical advection

Vertical water movement

Vertical movements (geology)

USE: **Epeirogeny**

Vertical profiles

SN: Plots of physical properties or parameters against depth and/or height

BT: Profiles

NT: Density profiles

Oxygen profiles

Salinity profiles

STD profiles

Temperature profiles

Velocity profiles

RT: CTD profilers

Finestructure

Horizontal profiles

Hydrographic sections

T-S diagrams

Vertical distribution

Vertical profiling

Vertical sections

Water column

Vertical profiling

BT: Profiling

RT: Vertical profiles

Vertical sections

BT: Map graphics

NT: Geological sections

Hydrographic sections

RT: Echosounder profiles

Seismic profiles

Vertical distribution

Vertical profiles

Vertical shear

BT: Shear
RT: Ekman layers
Relative vorticity
Richardson number
Velocity gradients
Velocity profiles
Wind shear

Vertical stability

UF: Static stability
BT: Stability
RT: Brunt-Vaisala frequency
Potential density
Potential temperature
Static instability
Temperature inversions

Vertical structure (water bodies)

USE: **Water column**

Vertical tectonics

BT: Tectonics
RT: Epeirogeny
Isostasy

Vertical transport

USE: **Vertical advection**

Vertical water movement

SN: Use of a more specific term is recommended
BT: Water motion
NT: Cabbelling
Cascading
Downwelling
Overturn
Upwelling
RT: Meridional oceanic circulation
Vertical advection
Vertical mixing
Vertical motion

Vessel seizure

USE: **Surveillance and enforcement**

Vessel wastes

SN: Waste materials generated onboard vessels (e.g. bilge water, waste water, solid wastes, hazardous materials, litter, oil/fuel/lubricants, fish wastes etc.) and which eventually need to be disposed of (onshore, at sea, incinerated etc.)
UF: Boat wastes
Ship wastes
NT: Bilge water
RT: Faeces
Fish wastes
Fuels
Hazardous materials
Sea-based pollution
Waste water

Vessels

USE: **Surface craft**

Veterinarians

BT: Scientific personnel

Veterinary drugs

SN: Works regarding substance applied or administered to any animals whether used for therapeutic, prophylactic, or diagnostic purposes, or for modification of physiological functions or behaviour
UF: Veterinary pharmaceuticals
BT: Drugs
RT: Pharmaceutical pollution

Veterinary drugs residues

SN: Works regarding any specified substances in food, agricultural commodities, or animal feed resulting from the use of veterinary drugs
BT: Chemical pollutants
RT: Food chains
Pesticide residues
Pollutants
Residence time

Veterinary pharmaceuticals

USE: **Veterinary drugs**

Vibrarory corers

UF: Vibro-corers
BT: Corers

Vibration

UF: Strumming
RT: Damping
Elastic waves
Noise (sound)
Oscillations
Resonance
Resonant frequency

Vibrio infections

USE: **Vibriosis**

Vibriosis

SN: A fish disease caused by *Vibrio anguillarum*
UF: Red pest
Spotted pest
Ulcer disease
Vibrio infections
BT: Bacterial diseases
Fish diseases

Vibro-corers

USE: **Vibrarory corers**

Video networks

USE: **Television systems**

Videotape recordings

UF: Videotapes
BT: Audiovisual materials
RT: Films
Magnetic tape recordings
Records

Videotapes

USE: **Videotape recordings**

Viewing underwater

UF: Underwater viewing
RT: Visibility underwater

Viral diseases

BT: Infectious diseases
RT: Antiviral agents
Biological control
Fish diseases
Immunization
Septicaemia
Viral replication
Virology
Viruses

Viral haemorrhagic septicaemia

USE: **Septicaemia**

Viral replication

SN: Before 2016 search
REPLICATION + Viruses as taxonomic descriptor
UF: Virus replication
BT: Replication
RT: Infectious diseases
Viral diseases
Viruses

Viral vaccines

USE: **Vaccines**

Virology

BT: Microbiology
RT: Viral diseases
Viruses

Virtual classrooms

USE: **Online instruction**

Virtual population analysis

SN: Computation of historical fishing mortality rates and stock sizes by age, based on data on catches, natural mortality, and certain assumptions about mortality for the last year and last age group.
UF: Cohort analysis
VPA
BT: Statistical analysis
RT: Population dynamics
Stock assessment

Virulence

RT: Diseases

Virus replication
USE: **Viral replication**

Viruses

SN: Before 2016 search also as a taxonomic descriptor
BT: Microorganisms
RT: Antiviral agents
Bacteriophages
Microbiological strains
Viral diseases
Viral replication
Virology

Viscosity

BT: Mechanical properties
NT: Dynamic viscosity
Eddy viscosity
Molecular viscosity
RT: Capillarity
Rheology
Stokes law
Viscosity coefficients
Water properties

Viscosity coefficients

BT: Exchange coefficients
NT: Eddy viscosity coefficient
RT: Viscosity

Visibility

NT: Visibility underwater
RT: Atmospheric optical phenomena
Fog
Haze
Optics
Vision

Visibility underwater

UF: Underwater visibility
BT: Visibility
RT: Diving
Turbidity
Underwater cameras
Underwater photography
Underwater television
Viewing underwater
Working underwater

Visible and near-infrared imagery
USE: **Satellite photography**

Visible radiation
USE: **Light**

Vision

BT: Sense functions
RT: Eyes
Light stimuli
Optics
Photoreception
Photoreceptors
Visibility
Visual pigments
Visual stimuli

Visual aids
USE: **Audiovisual materials**

Visual impact

SN: Effects on people of the changes in available views through intrusion or obstruction
RT: Development projects
Environment management
Environmental assessment
Renewable resources
Resource management

Visual inspection

SN: Visual inspection for organoleptic quality of seafood
BT: Inspection
RT: Quality assurance

Visual pigments

UF: Light sensitive pigments
Rhodopsin
BT: Pigments
RT: Retinas
Vision
Visual stimuli

Visual stimuli

BT: Stimuli
RT: Eyes
Vision
Visual pigments

Vitamin A

SN: Before 1982 search
VITAMINS
UF: Carotenes
BT: Vitamins

Vitamin B

SN: Before 1982 search
VITAMINS
UF: Biotin
Riboflavin
Thiamine
Vitamin B complex
BT: Vitamins
RT: Ribose

Vitamin B complex
USE: **Vitamin B**

Vitamin C

SN: Before 1982 search
VITAMINS
UF: Ascorbic acid
BT: Vitamins

Vitamin D

SN: Before 1982 search
VITAMINS
UF: Calciferol
Cholocalciferol
BT: Vitamins
RT: Calcification

Vitamin deficiencies

UF: Avitaminosis
Vitamin deficiency
BT: Dietary deficiencies
RT: Nutrient deficiency
Nutrition disorders
Vitamins

Vitamin deficiency

USE: **Vitamin deficiencies**

Vitamin E

SN: Before 1982 search
VITAMINS
UF: Fertility vitamin
Tocopherol
BT: Vitamins

Vitamins

NT: Vitamin A
Vitamin B
Vitamin C
Vitamin D
Vitamin E
RT: Bioactive compounds
Coenzymes
Drugs
Food additives
Growth regulators
Nutritive value
Vitamin deficiencies

Vitellogenesis

UF: Yolk formation
RT: Eggs
Embryology
Embryonic development
Morphogenesis
Oogenesis
Organogenesis
Yolk

Viviparity

SN: Giving birth to living young which have already reached an advanced stage of development
UF: Viviparous
RT: Oviparity
Pregnancy
Sexual reproduction

Viviparous

USE: **Viviparity**

VMEs

USE: **Vulnerable marine ecosystems**

Vocal behaviour

USE: **Vocalization behaviour**

Vocal cords

USE: **Vocal organs**

Vocal organs

UF: Vocal cords
Vocal sacs
BT: Animal organs
NT: Larynx
RT: Sound production
Vocalization behaviour

Vocal sacs

USE: **Vocal organs**

Vocalization behaviour

UF: Vocal behaviour
BT: Behaviour
RT: Animal communication
Auditory organs
Auditory stimuli
Bioacoustics
Cetology
Sound production
Vocal organs

Voes

USE: **Coastal inlets**

Void ratio

BT: Ratios
RT: Permeability
Porosity
Soil mechanics
Voids

Voids

RT: Percolation
Permeability
Porosity
Void ratio

Volatile compounds

BT: Chemical compounds
NT: Volatile hydrocarbons
RT: Ammonia
Sulphur compounds

Volatile hydrocarbons

BT: Petroleum hydrocarbons
Volatile compounds

Volcanic ash

UF: Dust (volcanic)
Volcanic dust
BT: Ashes
Volcanic rocks
RT: Bentonite
Dust clouds
Eolian deposits
Eolian dust
Eolian transport
Terrigenous sediments
Volcanic eruptions

Volcanic belts

RT: Volcanism
Volcanoes

Volcanic breccia

BT: Tephra

RT: Breccia

Volcanic dust

USE: **Volcanic ash**

Volcanic eruptions

BT: Geological hazards
RT: Disasters
Tephra
Tsunamis
Volcanic ash
Volcanic islands
Volcanoes

Volcanic glass

UF: Basaltic glass
BT: Volcanic rocks
RT: Glass
Obsidian
Volcanogenic deposits

Volcanic islands

BT: Oceanic islands
RT: Island arcs
Volcanic eruptions
Volcanism
Volcanoes

Volcanic lapilli

BT: Tephra

Volcanic rocks

UF: Pyroclastics
BT: Igneous rocks
NT: Andesite
Basalts
Lava
Palagonite
Pumice
Rhyolites
Tephra
Volcanic ash
Volcanic glass
RT: Allochthonous deposits
Volcanism
Volcanoes
Volcanogenic deposits

Volcanic sediments

USE: **Volcanogenic deposits**

Volcanicity

USE: **Volcanism**

Volcanism

SN: Before 1982 search
SUBMARINE VOLCANOES
UF: Volcanicity
Volcanism
RT: Active margins
Hot spots
Island arcs
Magma
Plate boundaries
Volcanic belts
Volcanic islands
Volcanic rocks

Volcanoes

Volcanogenic deposits

Volcanoes

SN: Before 1982 search
SUBMARINE VOLCANOES
NT: Mud volcanoes
Submarine volcanoes
RT: Lava flows
Volcanic belts
Volcanic eruptions
Volcanic islands
Volcanic rocks
Volcanism
Volcanogenic deposits

Volcanogenic deposits

UF: Volcanic sediments
BT: Sediments
RT: Terrigenous sediments
Volcanic glass
Volcanic rocks
Volcanism
Volcanoes

Voltammetry

RT: Electroanalysis
Electrolysis
Polarography

Volume

UF: Capacity (volume)
BT: Dimensions
NT: Ice volume
RT: Capacity
Size
Specific volume

Volume scattering function

BT: Optical properties
RT: Irradiance
Light scattering
Scatterance meters

Volume transport

UF: Mass transport (water currents)
BT: Transport
RT: Current velocity

Volumetric analysis

BT: Analysis
RT: Titration

Vortex shedding

RT: Current forces
Velocity profiles

Vortices

RT: Cavitation
Current rings
Fluid motion
Langmuir circulation
Lee eddies
Mixing length
Rotating fluids
Tornadoes

Turbulence
Vorticity
Waterspouts

Vorticity

NT: Absolute vorticity
Enstrophy
Planetary vorticity
Potential vorticity
Relative vorticity
RT: Atmospheric motion
Beta-plane
Coriolis force
Curl (vectors)
Hydrodynamics
Potential flow
Rotation
Turbulence
Vortices
Water motion

VPA

USE: **Virtual population analysis**

Vulcanism

USE: **Volcanism**

Vulnerability

BT: Biological properties
RT: Catchability
Fishing mortality

Vulnerable marine ecosystems

SN: Assemblages of marine benthic organisms or habitats which are susceptible to anthropogenic disturbance, especially that arising from the impact of fishing gear used in bottom fishing
UF: VMEs
BT: Ecosystems
RT: Benthic environment
Benthos
Biological properties
Conservation
Ecosystem disturbance
Ecosystem management
Fishing
Man-induced effects
Overfishing

Vulnerable species

BT: Species
RT: Aquatic animals
Aquatic plants
Nature conservation
Rare species
Species extinction
Threatened species

Wakes

RT: Hydrodynamics
Ship motion
Ship speed
Turbulence

Warm-blooded animals

USE: **Homoiothermy**

Warm-water aquaculture

SN: Culture of warm-water organisms
UF: Tropical aquaculture
BT: Aquaculture techniques
RT: Thermal aquaculture

Warm fronts

USE: **Atmospheric fronts**

Warning devices

USE: **Alarm systems**

Warning services

BT: Information centres
NT: Storm tide warning services
RT: Earthquake prediction
Environmental monitoring
Iceberg detection
Tsunami prediction
Warning systems

Warning systems

UF: Alerting systems
NT: Alarm systems
RT: Safety devices
Warning services

Warships

USE: **Defence craft**

Waste disposal

UF: Chemical waste disposal
Disposal (waste)
NT: Ocean dumping
Radioactive waste disposal
Sewage disposal
RT: Agricultural wastes
Composting
Gas flaring
Incineration
Sanitary engineering
Sewage ponds
Waste disposal sites
Waste treatment
Wastes

Waste disposal sites

SN: Offshore sites selected for dumping of wastes
UF: Dumping grounds
RT: Spoil
Waste disposal

Waste heat

SN: Heated or thermal effluents produced by power plants
BT: Heat
Wastes
RT: Power plants
Thermal aquaculture

Waste treatment

NT: Biological treatment

Sewage treatment

Sludge treatment

Wastewater treatment

RT: Anaerobic digestion

Bioremediation

Decantation

Environment management

Sanitary engineering

Waste disposal

Wastes

Water pollution treatment

Waste utilization

UF: Fish waste utilization
BT: Utilization
RT: Fish leather
Fish skin
Wastes
Wastewater aquaculture

Waste water

BT: Wastes
Water
RT: Biological treatment
Drainage water
Effluents
Industrial wastes
Runoff
Sanitary engineering
Sewage
Urban watersheds
Vessel wastes
Wastewater aquaculture
Wastewater treatment
Water pollution
Water reclamation

Wastes

UF: Prawn wastes
NT: Agricultural wastes
Domestic wastes
Dredge spoil
Effluents
Industrial wastes
Litter
Mine tailings
Oil wastes
Organic wastes
Pulp wastes
Radioactive wastes
Sewage
Sludge
Waste heat
Waste water
RT: Bleaching wastes
Byproducts
Composting
Manure
Nonpoint pollution sources
Point source pollution
Pollutants
Waste disposal
Waste treatment
Waste utilization

Wastewater aquaculture

SN: Use of sewage and residual water for aquaculture purposes
 BT: Aquaculture techniques
 RT: Fish culture
 Waste utilization
 Waste water
 Wastewater treatment

Wastewater recycling

USE: **Wastewater treatment**

Wastewater treatment

SN: Including recycling of waste waters
 UF: Wastewater recycling
 BT: Waste treatment
 Water treatment
 RT: Biodegradation
 Biological treatment
 Effluents
 Reverse osmosis
 Sanitary engineering
 Sewage treatment
 Waste water
 Wastewater aquaculture

Water

SN: Use of a more specific term is recommended; consult terms listed below
 NT: Bottom water
 Brackish water
 Cooling water
 Deep water
 Discoloured water
 Distilled water
 Drainage water
 Drinking water
 Eutrophic waters
 Fresh water
 Ground water
 Heavy water
 Hypereutrophic waters
 Hyperoligotrophic waters
 Irrigation water
 Melt water
 Mesotrophic waters
 Oligotrophic waters
 Pore water
 River water
 Saline water
 Sea water
 Shallow water
 Stagnant water
 Surface water
 Waste water
 RT: Aquatic environment
 Aquifers
 Biological uptake
 Dead water
 Hydrogen compounds
 Hydrography
 Hydrologic cycle
 Hydrology
 Hydrometeors
 Hydrosphere

Hydrostatic pressure

Ice
 Oxygen compounds
 Recreational waters
 Water analysis
 Water balance
 Water circulation
 Water colour
 Water conservation
 Water content
 Water currents
 Water density
 Water depth
 Water filters
 Water filtration
 Water hardness
 Water levels
 Water management
 Water masses
 Water mixing
 Water motion
 Water policy
 Water pollution
 Water properties
 Water quality
 Water resources
 Water rights
 Water ripples
 Water sampling
 Water springs
 Water supply
 Water table
 Water temperature
 Water transparency
 Water treatment
 Water types
 Water use
 Water vapour
 Water waves

Water-air exchanges

USE: **Air-water exchanges**

Water-bearing formations

USE: **Aquifers**

Water-ice interface

USE: **Ice-water interface**

Water-oil interface

USE: **Oil-water interface**

Water analysis

SN: Before 1982 search also
 WATER ANALYSIS
 (BIOLOGICAL), WATER
 ANALYSIS (CHEMICAL) and
 WATER ANALYSIS
 (PHYSICAL)
 UF: Water analysis (biological)
 Water analysis (chemical)
 Water analysis (physical)
 BT: Analysis
 NT: Shipboard analysis
 RT: Chemical analysis
 Chemical limnology
 Chemical oceanography

Chemical oxygen demand

Dissolved gases
 Hydrocarbon analysis
 Physical limnology
 Physical oceanography
 Pollutant identification
 Pollution detection
 Salinity measurement
 Water
 Water hardness
 Water pollution
 Water quality
 Water sampling
 Water temperature
 Water treatment

Water analysis (biological)

USE: **Water analysis**

Water analysis (chemical)

USE: **Water analysis**

Water analysis (physical)

USE: **Water analysis**

Water authorities

BT: Organizations
 RT: Drinking water
 Water conservation
 Water management
 Water resources

Water balance

RT: Evapotranspiration
 Kidneys
 Metabolism
 Transpiration
 Urine
 Water

Water ballast

USE: **Ballast**

Water blooms

USE: **Algal blooms**

Water bodies

SN: Surface waters of the Earth.
 Use of a narrower term is recommended
 UF: Surface water bodies
 NT: Bayous
 Coastal waters
 Inland waters
 Lagoons
 Oceans
 Temporary water bodies
 RT: Aquatic environment
 Channels
 Ephemeral water bodies
 Hydrogeomorphology
 Hydrosphere
 Intermittent water bodies
 Recreational waters
 Water budget
 Water column
 Water resources

Water bottles

USE: **Water samplers**

Water budget

RT: Eustatic changes

Evaporation

Heat budget

Hydrologic cycle

Hydrology

Hydrosphere

Ice volume

Inflow

Outflow

River discharge

Salt budget

Water bodies

Water exchange

Water channels

USE: **Channels**

Water circulating systems

USE: **Recirculating systems**

Water circulation

SN: Circulation in oceans and inland water bodies. Use of a more specific term is recommended

BT: Circulation

Water motion

NT: Lake dynamics

Ocean circulation

Shelf dynamics

Surface circulation

Wind-driven circulation

RT: Aeration

Coriolis force

Diffusion

Fluid motion

Gyres

Hydrodynamics

Hydrologic cycle

Physical limnology

Physical oceanography

Recirculating systems

Thermal stratification

Turbulence

Upwelling

Water

Water currents

Water masses

Water mixing

Water colour

BT: Colour

Water properties

NT: Ocean colour

RT: Blackwater rivers

Clearwater rivers

Discoloured water

Gelbstoff

Light absorption

Multispectral scanners

Suspended inorganic matter

Suspended organic matter

Suspended particulate matter

Turbidity

Water

Water transparency

Whitewater rivers

Water column

UF: Vertical structure (water bodies)

BT: Layers

NT: Deep layer

Mixed layer

Surface layers

RT: Benthic boundary layer

Epilimnion

Heat budget

Hydrosphere

Hypolimnion

Stratification

Thermocline

Vertical advection

Vertical profiles

Water bodies

Water conservation

SN: Concerning only the different types of water resources

BT: Conservation

RT: Evaporation reduction

Water

Water authorities

Water management

Water policy

Water pollution

Water quality

Water resources

Water use

Water content

UF: Moisture content

RT: Biochemical composition

Dehydration

Dewatering

Drying

Evapotranspiration

Humidity

Hygrometry

Pore pressure

Pore water

Porosity

Sediment properties

Transpiration

Water

Wet bulk density

Wet weight

Water current data

USE: **Current data**

Water current observations

USE: **Current observations**

Water currents

UF: Currents (water)

Flow (water)

Water flow

BT: Water motion

NT: Bottom currents

Boundary currents

Coastal currents

Countercurrents

Gradient currents

Inertial currents

Lake currents

Nearshore currents

Ocean currents

Shelf currents

Slope currents

Stream flow

Subsurface currents

Surface currents

Tidal currents

Undercurrents

Wind-driven currents

RT: Bottom topography effects

Channels

Current charts

Current data

Current direction

Current forces

Current meandering

Current measurement

Current measuring equipment

Current meters

Current power

Current prediction

Current reversal

Current roses

Current scouring

Current vectors

Density flow

Energy spectra

Fluid flow

Fluid motion

Horizontal motion

Physical limnology

Physical oceanography

Residual flow

Rheotaxis

Rheotropism

Streamlines

Water

Water circulation

White water river recreation

Water cycle

USE: **Hydrologic cycle**

Water density

UF: Density (water)

BT: Density

Water properties

NT: In situ density

Potential density

Relative density

Sigma-T

RT: Buoyancy

Cabbeling

Chlorinity

Chlorosity

Density charts

Density field

Density fronts

Density gradients

Density interfaces
Density measurement
Density profiles
Density sections
Density stratification
Hydrostatic pressure
Isopycnic surfaces
Isopycnics
Monin-Obukhov length
Pycnocline
Salinity
Specific volume
Specific volume anomalies
Water

Water depth

UF: Nautical bottom
BT: Depth
RT: Bathymeters
Bathymetric charts
Bathymetric data
Bathymetric profiles
Bathymetric surveys
Bathymetry
Bathythermographic data
Bathythermographs
Deep currents
Deep water
Depth recorders
Hydrographic surveying
Hydrographic surveys
Isobaths
Saturation depth
Shallow water
Soundings
Water
Wave attenuation
Wave parameters
Wind wave parameters

Water depth measurement

USE: **Bathymetry**

Water desalting

USE: **Desalination**

Water exchange

SN: Net exchange of water
between adjacent water bodies
RT: Conservation of salt
Heat transport
Inflow
Outflow
Straits
Water budget

Water filters

BT: Filters
RT: Water
Water filtration

Water filtration

SN: Removal of ions and organic
matter from water
UF: Filtration (water)
BT: Filtration
RT: Aeration

Aquaria
Centrifugation
Recirculating systems
Sanitary engineering
Sewage treatment
Sludge treatment
Water
Water filters
Water purification
Water quality
Water treatment

Water flow

USE: **Water currents**

Water hardness

UF: Hardness (water)
BT: Physical properties
Water properties
RT: Alkalinity
Calcium
Calcium compounds
Carbonates
Soaps
Water
Water analysis
Water quality

Water level measurement

BT: Measurement
NT: Sea level measurement
RT: Water levels
Wave measurement

Water levels

SN: Before 1984 search also
WATER LEVELS (LAKES)
UF: Stages (water)
Water levels (lakes)
BT: Levels
NT: Sea level
RT: Droughts
Flash floods
Floods
Lake dynamics
Water
Water level measurement
Wind setup

Water levels (lakes)

USE: **Water levels**

Water management

BT: Resource management
RT: Best practices
Flood control
River basin management
Water
Water authorities
Water conservation
Water policy
Water resources
Water supply

Water mass intrusions

NT: Boluses
RT: Saline intrusion
Water masses

Water masses

NT: Cold water masses
Deep-water masses
Intermediate water masses
Outflow waters
Slope water
Subsurface water
Surface water masses
Water types
RT: Cabbelling
Conservative properties
Convergence zones
Core layers (water)
Divergence zones
Frontogenesis
Hydrography
In situ density
Non-conservative properties
Oceanic convergences
Optical classification
Pycnocline
T-S diagrams
Thermocline
Thermostads
Water
Water circulation
Water mass intrusions
Water mixing
Water properties

Water mixing

UF: Mixing (water)
NT: Tidal mixing
Trans-isopycnal mixing
Transverse mixing
Vertical mixing
RT: Aeration
Buoyant jets
Cabbelling
Core layer method
Destratification
Diffusion
Dilution
Dispersion
Downwelling
Estuarine dynamics
Mixing processes
Overturn
River plumes
Thermal plumes
Upwelling
Water
Water circulation
Water masses
Water motion

Water motion

SN: Motion in oceans and inland
water bodies
UF: Water movements
BT: Motion
NT: Eddies
Lee eddies
Meandering
Vertical water movement
Water circulation

Water currents
RT: Fluid dynamics
Oceanic turbulence
Planetary waves
Transport processes
Vorticity
Water
Water mixing
Wave motion

Water movements
USE: **Water motion**

Water oil separation
USE: **Oil water separation**

Water policy
BT: Policies
RT: Irrigation water
Water
Water conservation
Water management
Water quality
Water resources
Water supply

Water pollution
UF: Aquatic pollution
BT: Pollution
NT: Brackishwater pollution
Freshwater pollution
Groundwater pollution
Marine pollution
RT: Acid mine drainage
Chemical pollution
Faecal pollution
Nonpoint pollution sources
Oil pollution
Outfalls
Pharmaceutical pollution
Point source pollution
Radioactive contamination
Thermal pollution
Waste water
Water
Water analysis
Water conservation
Water pollution treatment
Water resources
Water salinization
Water use
White water effluents

Water pollution control
USE: **Pollution control**

Water pollution effects
USE: **Pollution effects**

Water pollution sources
USE: **Pollution sources**

Water pollution treatment
BT: Water treatment
RT: Biodegradation
Biofloc technology
Biomaniipulation

Bioreactors
Bioremediation
Chemical degradation
Decantation
Oil removal
Pollution control
Public health
Sanitary engineering
Waste treatment
Water pollution
Water purification
Water quality control

Water pressure
USE: **Hydrostatic pressure**

Water properties
SN: Use of a more specific term is recommended
BT: Properties
NT: Water colour
Water density
Water hardness
Water temperature
Water transparency
RT: Chemical properties
Dissolved oxygen
Dissolved salts
Environmental factors
Eutrophication
Evaporation
Organoleptic properties
pH
Physical limnology
Physical oceanography
Physical properties
Physicochemical properties
Relative density
Saline water
Surface properties
Thermal conductivity
Thermal diffusivity
Thermal expansion
Turbidity
Viscosity
Water
Water masses
Water quality
Water structure

Water pumps
UF: Pumps (water)
BT: Pumps
RT: Aquaculture equipment
Aquaria
Recirculating systems
Salvage equipment

Water purification
SN: Physical and chemical treatment for water purification
UF: Purification (water)
BT: Water treatment
RT: Centrifugation
Chlorination
Dechlorination
Desalination

Disinfection
Ecosystem services
Ion exchange
Public health
Sanitary engineering
Self purification
Separation
Water filtration
Water pollution treatment
Water quality

Water quality
UF: Water standards
NT: Biofloc technology
RT: Biochemical oxygen demand
Chemical oxygen demand
Coliforms
Consumer protection
Deoxygenation
Eutrophication
Water
Water analysis
Water conservation
Water filtration
Water hardness
Water policy
Water properties
Water purification
Water quality control
Water resources
Water salinization
Water sampling
Water supply
White water effluents

Water quality control
BT: Quality control
RT: Biofloc technology
Pollution control
Water pollution treatment
Water quality
Water sampling
Water treatment

Water reclamation
UF: Reclamation (water)
BT: Reclamation
RT: Waste water
Water resources

Water reservoirs
UF: Impounding lakes
Reservoirs (water)
BT: Inland waters
RT: Aquaculture facilities
Artificial lakes
Backwaters
Dams
Drinking water
Fishways
Flood control
Irrigation water
Lentic environment
Limnology
Ponds
Reservoir fisheries
Spillways

Water resources

SN: Mainly different types of water bodies or water sources of inland regions

BT: Natural resources

RT: Aquifers

Atmospheric precipitations

Coastal aquifers

Drinking water

Droughts

Glaciers

Ground water

Headwaters

Hydrologic cycle

Ponds

Renewable resources

Rivers

Spatial planning

Spring streams

Water

Water authorities

Water bodies

Water conservation

Water management

Water policy

Water pollution

Water quality

Water reclamation

Water use

White water effluents

Water rights

BT: Rights

RT: Exclusive rights

Irrigation

Irrigation water

Property rights

Ranching

Rental

Riparian rights

Water

Water supply

Water use

Water use regulations

Water ripples

UF: Ripples (water)

BT: Capillary waves

RT: Water

Water runup

USE: **Wave runup**

Water salinisation

USE: **Water salinization**

Water salinization

SN: Water salinization of inland waters and aquifers results from leaching of salts through irrigation, saltwater intrusion, impurities in wastewater discharges. Before 2016 search SALINIZATION

UF: Salinization (water)

Water salinisation

BT: Salinization

RT: Environmental impact

Saline intrusion

Salinity

Salinity effects

Salinity measurement

Water pollution

Water quality

Water samplers

UF: Nansen bottles

Niskin samplers

Water bottles

BT: Samplers

RT: Limnological equipment

Pore water samplers

Water samples

Water sampling

Water samples

BT: Samples

RT: Chemical analysis

Water samplers

Water sampling

Water sampling

BT: Sampling

RT: Water

Water analysis

Water quality

Water quality control

Water samplers

Water samples

Water seepages

USE: **Submarine springs**

Water springs

SN: Use of a more specific term is recommended

UF: Freshwater springs

Springs (water)

NT: Geothermal springs

Hot springs

Spring streams

Submarine springs

RT: Ephemeral springs

Headwaters

Intermittent springs

Lotic environment

Seepages

Tributaries

Water

Water standards

USE: **Water quality**

Water structure

RT: Water properties

Water supply

RT: Consumer protection

Desalination plants

Drinking water

Water

Water management

Water policy

Water quality

Water rights

Water treatment

Water use

Water surface salinity

USE: **Surface salinity**

Water surface slope

USE: **Surface slope**

Water surface temperature

USE: **Surface temperature**

Water surface topography

USE: **Surface topography**

Water table

UF: Soil water table

RT: Aquifers

Drainage water

Ground water

Water

Watersheds

Water tanks

USE: **Tanks**

Water temperature

BT: Temperature

Water properties

NT: Bottom temperature

In situ temperature

Palaeotemperature

Surface temperature

RT: Abiotic factors

Bathythermographs

Cabbeling

Cold season

Cold water masses

Evaporation

Geothermal springs

Heat content

Hydroclimate

Isotherms

Physical limnology

Physical oceanography

Potential temperature

Refractive index

Sediment temperature

T-S diagrams

Temperature charts

Temperature effects

Temperature gradients

Temperature profiles

Temperature sections

Thermal microstructure

Thermal pollution

Thermal stratification

Thermal structure

Thermocline

Thermostads

Water

Water analysis

Water temperature data

Water types

Water temperature data

BT: Hydrographic data
 Temperature data
 RT: Limnological data
 Oceanographic data
 Water temperature

Water transparency

UF: Transparency (water)
 BT: Transparency
 Water properties
 RT: Extinction coefficient
 Light absorption
 Light attenuation
 Light scattering
 Nephelometers
 Transmittance
 Turbidity
 Water
 Water colour

Water treatment

NT: Desalination
 Wastewater treatment
 Water pollution treatment
 Water purification
 RT: Aeration
 Biofilters
 Biofloc technology
 Bleaching wastes
 Coagulation
 Consumer protection
 Decantation
 Dechlorination
 Drinking water
 Ion exchange
 Oil water separation
 Oxygenation
 Water
 Water analysis
 Water filtration
 Water quality control
 Water supply

Water types

BT: Water masses
 NT: Optical water types
 RT: Core layers (water)
 Hydrography
 Salinity
 T-S diagrams
 Water
 Water temperature

Water use

UF: Use of water
 Water utilization
 BT: Utilization
 RT: Water
 Water conservation
 Water pollution
 Water resources
 Water rights
 Water supply
 Water use regulations

Water use regulations

SN: Policy and ownership of land
 and inland waters
 BT: Legislation
 RT: Recreational waters
 Water rights
 Water use

Water utilization

USE: **Water use**

Water vapour

RT: Condensation
 Dew point
 Greenhouse effect
 Humidity
 Hydrometeors
 Hygrometers
 Hygrometry
 Mixing ratio
 Moisture
 Sublimation
 Vapour pressure
 Water

Water vapour pressure

USE: **Vapour pressure**

Water vapour transfer

USE: **Moisture transfer**

Water wave forecasting

USE: **Wave forecasting**

Water wave motion

USE: **Wave motion**

Water wave propagation

USE: **Wave propagation**

Water wave statistics

USE: **Wave statistics**

Water waves

UF: Waves (water)
 NT: Catastrophic waves
 Deep-water waves
 Destructive waves
 Equatorial waves
 Freak waves
 Giant waves
 Gravity waves
 Inertial waves
 Internal waves
 Irregular waves
 Linear waves
 Nonlinear waves
 Oscillatory waves
 Regular waves
 Shallow water waves
 Surface gravity waves
 Surface water waves
 Topographic waves
 Trapped waves
 RT: Energy spectra
 Group velocity
 Orbital velocity

Overtopping
 Overwash
 Phase velocity
 Physical limnology
 Physical oceanography
 Planetary waves
 Water
 Wave-wave interaction
 Wave attenuation
 Wave diffraction
 Wave dispersion
 Wave dissipation
 Wave drift velocity
 Wave effects
 Wave generation
 Wave generators
 Wave groups
 Wave interactions
 Wave parameters
 Wave propagation
 Wave properties
 Wave recorders
 Wave slope
 Wave statistics
 Wave trains
 Wave trapping
 Wave velocity

Water waves action

USE: **Wave effects**

Water weed utilization

USE: **Plant utilization**

Watershed (divide)

USE: **Watersheds**

Watersheds

UF: Watershed (divide)
 NT: Urban watersheds
 RT: Catchment area
 Drainage water
 Flood control
 Ground water
 Lake basins
 Land management
 River basins
 Runoff
 Stream flow
 Valleys
 Water table

Waterspouts

RT: Atmospheric motion
 Hurricanes
 Tornadoes
 Vortices

Wave-air interactions

USE: **Wave interactions**

Wave-current interaction

BT: Wave interactions
 RT: Giant waves
 Longshore currents
 Momentum transfer
 Rip currents

Wave-cut platforms

- UF: Beach platforms
 - Erosion platforms
 - Strandflats
- BT: Beach features
- RT: Cliffs
 - Erosion surfaces
 - Strandlines
 - Terraces
 - Wave scouring

Wave-ice interaction

USE: **Wave interactions**

Wave-induced loading

- BT: Loads (forces)
- RT: Cyclic loading
 - Pore pressure
 - Wave-seabed interaction

Wave-seabed interaction

- BT: Wave interactions
- RT: Bed forms
 - Benthic boundary layer
 - Bottom pressure
 - Cyclic loading
 - Sediment-water interface
 - Wave-induced loading

Wave-shore interaction

USE: **Waves on beaches**

Wave-wave interaction

- BT: Wave interactions
- NT: Short wave-long wave interactions
 - Surface wave-internal wave interactions
 - Tide-surge interaction
- RT: Resonant wave interaction
 - Water waves

Wave absorbers

- RT: Wave damping

Wave action

- UF: Density (wave action)
 - Wave action density
- BT: Wave effects
- RT: Ship motion

Wave action density

USE: **Wave action**

Wave age

USE: **Age**

Wave amplitude

- BT: Amplitude
- NT: Tidal amplitude
- RT: Wave attenuation
 - Wave damping
 - Wave height
 - Wave properties

Wave analysis

- BT: Analysis
- NT: Tidal analysis
 - Waveform analysis
- RT: Surface water waves

Wave attenuation

- SN: Use for natural decrease of amplitude of water waves
- UF: Attenuation (water waves)
- BT: Attenuation
 - Wave dissipation
- RT: Sound attenuation
 - Water depth
 - Water waves
 - Wave amplitude
 - Wave damping
 - Wave dispersion
 - Wave propagation
 - Wave scattering

Wave breaking

- BT: Wave dissipation
- NT: Internal wave breaking
 - Whitcapping
- RT: Breaking waves
 - Wave crests
 - Wave dynamics
 - Wave processes on beaches
 - Waves on beaches

Wave buoys

- BT: Data buoys
- RT: Wave direction sensors
 - Wave measuring equipment
 - Wave power devices

Wave celerity

USE: **Wave velocity**

Wave climate

- RT: Climate
 - Climatological charts
 - Design wave
 - Environmental conditions
 - Sea state
 - Wave forces
 - Wind waves

Wave control (water waves)

USE: **Wave damping**

Wave crests

- RT: Breaking waves
 - Long-crested waves
 - Short-crested waves
- Wave breaking
- Wave geometry
- Wave slope

Wave damping

- SN: Induced reduction in water wave amplitude
- UF: Damping (water waves)
 - Wave control (water waves)
- BT: Damping
- RT: Breakwaters

Ship motion

Surface films

Surface water waves

Wave absorbers

Wave amplitude

Wave attenuation

Wave dissipation

Wave data

- SN: Data on water waves
- UF: Wave records
- BT: Data
- RT: Oceanographic data
 - Wave statistics

Wave decay

USE: **Wave dissipation**

Wave diffraction

- SN: Use only for water waves and specify type of wave
- BT: Diffraction
- RT: Water waves
 - Wave interactions
 - Wave propagation

Wave direction

- BT: Direction
- RT: Directional spectra
 - Long-crested waves
 - Short-crested waves
- Wave direction sensors
- Wave properties

Wave direction sensors

- BT: Sensors
- RT: Wave buoys
 - Wave direction
 - Wave measuring equipment

Wave dispersion

- SN: Use only for water waves and specify type of wave
- UF: Dispersion (water waves)
- BT: Dispersion
- RT: Group velocity
 - Phase velocity
 - Water waves
 - Wave attenuation
 - Wave groups
 - Wave motion
 - Wave propagation
 - Wave trains

Wave dissipation

- SN: Use only for water waves and specify type of wave
- UF: Dissipation (water waves)
 - Wave decay
 - Wave energy dissipation (water waves)
- BT: Energy dissipation
- NT: Tidal dissipation
 - Wave attenuation
 - Wave breaking
- RT: Bottom friction
 - Breaking waves

Oceanic turbulence
Surf zone
Water waves
Wave damping
Wave energy
Wave motion
Wave scattering
Whitewater

Wave drift velocity

UF: Mass transport velocity
Stokes drift
BT: Velocity
RT: Mass transport
Orbital velocity
Particle motion
Water waves
Wave dynamics

Wave dynamics

NT: Tidal dynamics
RT: Bay dynamics
Wave breaking
Wave drift velocity
Wave motion

Wave effects

UF: Water waves action
NT: Wave action
RT: Backwash
Beach erosion
Beach profiles
Buoy motion
Capsizing
Flooding
Reflectance
Sediment transport
Ship motion
Tsunamis
Water waves
Wave energy
Wave forces
Waves on beaches

Wave energy

SN: Used for the natural energy bound up in the motion of water waves. For exploitation of that energy use WAVE POWER
BT: Energy
NT: Tidal energy
RT: Energy transfer
Green energy
Wave dissipation
Wave effects
Wave power
Wave power devices
Wave spectra

Wave energy dissipation (water waves)

USE: **Wave dissipation**

Wave energy spectra

USE: **Wave spectra**

Wave fetch

USE: **Fetch**

Wave followers

USE: **Instrument platforms**

Wave forces

UF: Impact (waves)
Slamming
Wave load
Wave pressure
BT: Loads (forces)
RT: Design wave
Flow around objects
Hydrodynamics
Morison's equation
Ship motion
Wave climate
Wave effects

Wave forecasting

UF: Water wave forecasting
Wave forecasts
BT: Wave predicting
RT: Design wave
Ship routing
Significant wave height
Wave hindcasting

Wave forecasts

USE: **Wave forecasting**

Wave formation (water waves)

USE: **Wave generation**

Wave frequency

SN: Before 1982 search WAVE PERIOD
BT: Frequency
RT: Wave period
Wave properties
Wave spectra

Wave gauges

USE: **Wave measuring equipment**

Wave generation

SN: Use only for water waves and specify type of wave
UF: Generation (water waves)
Wave formation (water waves)
Wave growth (water waves)
NT: Internal wave generation
Storm surge generation
Tsunami generation
Wind wave generation
RT: Energy transfer
Water waves
Wave generators
Wave motion

Wave generators

SN: Mechanical devices used to generate water waves in wave tanks
RT: Water waves
Wave generation
Wave tanks

Wave geometry

SN: Search also SURFACE GEOMETRY before 1982
UF: Surface geometry (water waves)
Wave shape
Wave topography
RT: Surface properties
Surface water waves
Wave crests
Wave height
Wave slope
Wave statistics

Wave groups

RT: Group velocity
Water waves
Wave dispersion
Wave statistics
Wave trains

Wave growth (water waves)

USE: **Wave generation**

Wave height

SN: Use for surface water waves except tides
NT: Significant wave height
RT: Design wave
Extreme waves
Giant waves
Significant waves
Wave amplitude
Wave geometry
Wave properties
Wave statistics

Wave hindcasting

UF: Hindcasting (waves)
BT: Wave predicting
RT: Wave forecasting

Wave interactions

SN: Use only for water waves
UF: Wave-air interactions
Wave-ice interaction
BT: Interactions
NT: Nonlinear wave interactions
Resonant wave interaction
Wave-current interaction
Wave-seabed interaction
Wave-wave interaction
Wave trapping
Wind-wave interaction
RT: Atmospheric boundary layer
Energy transfer
Momentum transfer
Shear flow
Surface layers
Turbulence
Water waves
Wave diffraction
Wave motion
Wave reflection
Wave refraction
Waves on beaches

Wave load

USE: **Wave forces**

Wave measurement

RT: Photogrammetry

Radar altimetry

Satellite altimetry

Stereophotography

Water level measurement

Wave measuring equipment

Wave measuring equipment

UF: Wave gauges

Wave meters

Wave staff sensors

Wave staffs

BT: Measuring devices

RT: Echosounders

Pressure sensors

Radar altimeters

Surface water waves

Wave buoys

Wave direction sensors

Wave measurement

Wave measuring platforms

Wave recorders

Wave tanks

Wave measuring platforms

RT: Wave measuring equipment

Wave meters

USE: **Wave measuring equipment**

Wave motion

SN: Use only for general works on wave phenomena

UF: Water wave motion

Wave theory

RT: Absorptance

Absorption (physics)

Attenuation

Diffraction

Fluid motion

Reflection

Refraction

Transmission

Water motion

Wave dispersion

Wave dissipation

Wave dynamics

Wave generation

Wave interactions

Wave propagation

Wave number

RT: Wave properties

Wave spectra

Wavelength

Wave overtopping

USE: **Overtopping**

Wave parameters

RT: Duration

Fetch

Water depth

Water waves

Wave properties

Wind speed

Wind stress

Wave particle motion

USE: **Particle motion**

Wave particle velocity

USE: **Orbital velocity**

Wave period

RT: Regular waves

Significant waves

Surges

Wave frequency

Wave properties

Wave statistics

Wave phase

RT: Wave properties

Wave power

SN: Utilizing the energy of waves as a source of power

BT: Power from the sea

RT: Hydroelectric power

Tidal power

Wave energy

Wave power devices

Wave power devices

BT: Electric power sources

RT: Hydroelectric power plants

Wave buoys

Wave energy

Wave power

Wave power spectra

USE: **Wave spectra**

Wave predicting

SN: Use only for prediction of wind waves

BT: Prediction

NT: Wave forecasting

Wave hindcasting

RT: Sea state

Wave properties

Wave pressure

USE: **Wave forces**

Wave processes on beaches

UF: Wave setdown

Wave setup

NT: Wave runoff

RT: Beaches

Longshore currents

Wave breaking

Waves on beaches

Wave propagation

SN: Use only for water waves and specify type of wave

UF: Propagation (water waves)

Transmission (water waves)

Water wave propagation

Wave transmission

NT: Tidal propagation

RT: Water waves

Wave attenuation

Wave diffraction

Wave dispersion

Wave motion

Wave reflection

Wave refraction

Wave scattering

Wave properties

RT: Physical properties

Seismic waves

Sound waves

Water waves

Wave amplitude

Wave direction

Wave frequency

Wave height

Wave number

Wave parameters

Wave period

Wave phase

Wave predicting

Wave slope

Wave spectra

Wave statistics

Wave velocity

Wavelength

Wind wave parameters

Wave recorders

UF: Capacitance wire wave recorders

Shipborne wave recorders

Surface wave recorders

BT: Recording equipment

RT: Accelerometers

Water waves

Wave measuring equipment

Wind waves

Wave records

USE: **Wave data**

Wave reflection

SN: Use only for water waves and specify type of wave

UF: Reflection (water waves)

BT: Reflection

RT: Standing waves

Wave interactions

Wave propagation

Wave refraction

SN: Before 1982 search also

REFRACTION (WATER

WAVES). Use only for water

waves and specify type of wave

UF: Refraction (water waves)

BT: Refraction
 RT: Bottom topography effects
 Shallow water
 Wave interactions
 Wave propagation
 Wave refraction diagrams
 Waves on beaches

Wave refraction diagrams

BT: Graphs
 RT: Caustics
 Orthogonals
 Wave refraction

Wave runup

SN: Before 1986 search also
 SWASH
 UF: Surges (beach)
 Swash
 Water runup
 BT: Wave processes on beaches
 RT: Backwash
 Breakwaters
 Sea walls

Wave sand ripples

USE: **Sand ripples**

Wave scattering

SN: Use only for water waves
 UF: Scattering (water waves)
 RT: Wave attenuation
 Wave dissipation
 Wave propagation

Wave scouring

SN: Before 1983 search
 CURRENT SCOURING
 BT: Scouring
 RT: Bed forms
 Bottom erosion
 Current scouring
 Shallow water waves
 Surface water waves
 Wave-cut platforms

Wave setdown

USE: **Wave processes on beaches**

Wave setup

USE: **Wave processes on beaches**

Wave shape

USE: **Wave geometry**

Wave slope

UF: Wave steepness
 RT: Sand waves
 Surface slope
 Water waves
 Wave crests
 Wave geometry
 Wave properties

Wave slope followers

USE: **Instrument platforms**

Wave spectra

UF: Wave energy spectra
 Wave power spectra
 BT: Spectra
 RT: Wave energy
 Wave frequency
 Wave number
 Wave properties
 Wave statistics

Wave staff sensors

USE: **Wave measuring equipment**

Wave staffs

USE: **Wave measuring equipment**

Wave statistics

UF: Water wave statistics
 BT: Statistics
 RT: Design wave
 Water waves
 Wave data
 Wave geometry
 Wave groups
 Wave height
 Wave period
 Wave properties
 Wave spectra
 Wave velocity

Wave steepness

USE: **Wave slope**

Wave tanks

BT: Tanks
 RT: Flumes
 Hydraulic models
 Laboratory equipment
 Test equipment
 Towing tanks
 Wave generators
 Wave measuring equipment

Wave theory

USE: **Wave motion**

Wave topography

USE: **Wave geometry**

Wave trains

RT: Benjamin Feir instability
 Water waves
 Wave dispersion
 Wave groups

Wave transmission

USE: **Wave propagation**

Wave trapping

BT: Wave interactions
 RT: Topographic effects
 Trapped waves
 Water waves

Wave velocity

SN: Use only for water waves
 UF: Wave celerity
 Wave velocity (water waves)
 BT: Velocity
 RT: Group velocity
 Orbital velocity
 Phase velocity
 Water waves
 Wave properties
 Wave statistics

Wave velocity (seismic)

USE: **Seismic velocities**

Wave velocity (sound)

USE: **Sound velocity**

Wave velocity (water waves)

USE: **Wave velocity**

Waveform analysis

BT: Wave analysis
 RT: Fourier analysis
 Harmonic analysis
 Spectral analysis

Wavelength

RT: Wave number
 Wave properties

Waves (acoustic)

USE: **Sound waves**

Waves (elastic)

USE: **Elastic waves**

Waves (electromagnetic)

USE: **Electromagnetic radiation**

Waves (planetary)

USE: **Planetary waves**

Waves (sand)

USE: **Sand waves**

Waves (seismic)

USE: **Seismic waves**

Waves (sound)

USE: **Sound waves**

Waves (water)

USE: **Water waves**

Waves on beaches

UF: Wave-shore interaction
 RT: Backwash
 Breaking waves
 Edge waves
 Nearshore dynamics
 Shoaling
 Shoaling waves
 Surf
 Surf zone
 Undertow
 Wave breaking

Wave effects	Weather	Weekly
Wave interactions	Weather hazards	BT: Periodicity
Wave processes on beaches	Weather maps	
Wave refraction	Weather ships	
Wax	Weather forecasts	Wegener hypothesis
USE: Waxes	USE: Weather forecasting	USE: Continental drift
Waxes	Weather hazards	Weight
UF: Wax	BT: Hazards	BT: Physical properties
BT: Lipids	NT: Droughts	NT: Dry weight
RT: Animal products	Floods	Molecular weight
Petroleum	Icing	Wet weight
	Storms	RT: Displacement
Wear	RT: Weather	Gravity
SN: As applied to materials	Weather forecasting	Loads (forces)
RT: Deterioration		Mass
Friction		Pressure
Toughness		Specific gravity
Weathering		
Weather	Weather maps	Weight-length relationships
SN: State of the atmosphere at a given time as defined by the meteorological elements. Before 1982 search WEATHER	UF: Weather forecast map	USE: Length-weight relationships
CONDITIONS	BT: Meteorological charts	
UF: Atmospheric conditions	RT: Meteorological observations	
Weather conditions	Weather	Weight grading
BT: Climate	Weather forecasting	SN: Before 2016 search
RT: Air temperature	Wind direction	GRADING + WEIGHT
Atmospheric depressions	Wind speed	BT: Biological grading
Atmospheric precipitations		
Atmospheric pressure	Weather routing	Weirs
Cloud cover	USE: Ship routing	SN: Structures built across rivers or channels to divert water and raise the water level
Clouds		BT: Barrages
Fog	Weather ships	RT: Dams
Humidity	UF: Ocean weather ships	
Ice conditions	BT: Ships	Welding
Lightning	RT: Data buoys	UF: Explosive welding
Meteorology	Ocean stations	NT: Electric arc welding
Rainfall	Research vessels	Welding underwater
Sea level pressure	Selected ships	RT: Cutting
Sea state	Weather forecasting	Heat affected zones
Squalls		Pipeline construction
Troposphere		
Weather forecasting	Weathering	Welding underwater
Weather hazards	RT: Corrosion	BT: Welding
Weather maps	Degradation	Working underwater
Wind speed	Environmental effects	RT: Cutting underwater
	Erosion	
Weather conditions	Fate	
USE: Weather	Leaching	Well completion
	Wear	UF: Completion (well)
Weather forecast map	Web-based instruction	Offshore completion
USE: Weather maps	USE: Online instruction	RT: Oil wells
Weather forecasting	Web-based training	Well logging
UF: Weather forecasts	USE: Online instruction	BT: Logging
BT: Prediction		RT: Boreholes
RT: Atmospheric fronts	Web based training	Well workover operations
Atmospheric pressure	USE: Online instruction	UF: Workovers
Climate prediction		RT: Oil and gas production
Meteorology	Weed cutting	
Ship routing	USE: Plant control	Wellheads
Tropical depressions		UF: Christmas trees
Uncertainty	Weeds	Underwater wellheads
	UF: Aquatic weeds	BT: Underwater structures
	BT: Flora	RT: Blowout preventers
	NT: Freshwater weeds	Flowlines
	Seaweeds	
	RT: Aquatic plants	
	Herbicide resistance	
	Plant control	
	Pleuston	

- Manifolds
Subsea production systems
Templates
- Wells (oil and gas)
USE: **Oil wells**
- Westerlies**
BT: Planetary winds
NT: Equatorial westerlies
- Western boundary currents**
BT: Boundary currents
RT: Western boundary undercurrents
Westward intensification
- Western boundary undercurrents**
BT: Undercurrents
RT: Contour currents
Western boundary currents
- Westward intensification**
SN: Westward intensification of velocity of wind driven currents
RT: Current velocity
Planetary vorticity
Western boundary currents
- Wet bulk density**
BT: Sediment density
RT: Grain size
Porosity
Water content
- Wet meadows
USE: **Marshes**
- Wet season
USE: **Rainy season**
- Wet storage (live organisms)
USE: **Live storage**
- Wet storage (museum specimens)
USE: **Fixation**
- Wet submersibles**
BT: Submersibles
RT: Untethered vehicles
- Wet weight**
BT: Weight
RT: Density
Water content
- Wetland restoration**
BT: Environmental restoration
- Wetlands**
BT: Inland waters
NT: Marshes
Mires
Swamps
RT: Bayous
Cheniers
Deltas
- Flooding
Land reclamation
Muskeg
Stagnant water
- Whale stranding
USE: **Stranding**
- Whalebones
USE: **Baleens**
- Whaling**
UF: Whaling techniques
BT: Hunting
NT: Artisanal whaling
RT: Blue whale unit
Whaling regulations
Whaling stations
Whaling statistics
- Whaling regulations**
BT: Fishery regulations
RT: Blue whale unit
International agreements
Whaling
- Whaling stations**
RT: Whaling
- Whaling statistics**
SN: Catch tabulation of whales and allied species including derived industrial products
BT: Catch statistics
RT: Blue whale unit
Whaling
Wounding
- Whaling techniques
USE: **Whaling**
- Whelk fisheries
USE: **Gastropod fisheries**
- Whirling disease**
UF: Tumbling disease
BT: Fish diseases
RT: Parasitic diseases
Swim bladder
- White muscles
USE: **Muscles**
- White water (colour)
USE: **Whitewater rivers**
- White water (effluent)
USE: **White water effluents**
- White water effluents**
SN: White water effluent from pulp and paper mills
UF: White water (effluent)
BT: Pulp wastes
RT: Effluents
Water pollution
Water quality
- Water resources
- White water river recreation**
SN: Rivers used in recreation for canoeing or rafting. White water rivers are graded according to the difficulty, danger or severity of the rapids
UF: White water rivers (recreation)
Whitewater rivers (recreation)
RT: Gradients
Recreation
Rivers
Turbulent flow
Water currents
Whitecaps
- White water rivers (colour)
USE: **Whitewater rivers**
- White water rivers (recreation)
USE: **White water river recreation**
- Whitecapping**
BT: Wave breaking
RT: Wave dissipation
Whitecaps
- Whitecaps**
BT: Breaking waves
RT: Foams
White water river recreation
Whitecapping
- Whitewater rivers**
SN: Tropical rainforest rivers carrying a heavy sediment load, despite their cafe-au-lait appearance, are generally known as 'whitewater' or brown-water rivers
UF: Brown water rivers
White water (colour)
White water rivers (colour)
BT: Rivers
RT: Blackwater rivers
Classification
Clearwater rivers
River water
Sediment transport
Water colour
- Whitewater rivers (recreation)
USE: **White water river recreation**
- Whiting fisheries
USE: **Gadoid fisheries**
- Width**
UF: Breadth
BT: Dimensions
- Wild fish
USE: **Natural populations**

Wild fish stocks

USE: **Stocks**

Wild spawning

SN: Before 1982 search

SPAWNING

UF: Uncontrolled spawning

BT: Spawning

Wildlife conservation

USE: **Nature conservation**

Wildlife refuges

USE: **Refuges**

Winches

BT: Lifting tackle

RT: Fishing gear

Gear handling

Towing

Wind

USE: **Winds**

Wind-driven circulation

BT: Water circulation

RT: Ocean circulation

Surface circulation

Sverdrup transport

Thermohaline circulation

Wind-driven currents

Wind-driven currents

SN: Search also DRIFT

CURRENTS

UF: Barometric currents

Drift currents

Wind drift (current)

BT: Water currents

RT: Biological drift

Boundary currents

Coastal currents

Ekman spiral

Longshore currents

Nearshore currents

Ocean currents

Rip currents

Surface currents

Surface Ekman layer

Sverdrup transport

Upwelling

Wind-driven circulation

Wind waves

Winds

Wind-generated noise

USE: **Surface noise**

Wind-wave interaction

BT: Wave interactions

RT: Air flow over water

Wind stress

Wind wave generation

Wind waves

Wind abrasion

RT: Eolian transport

Scouring

Winds

Wind constancy

RT: Variability

Wind power

Wind speed

Wind data

BT: Meteorological data

RT: Wind direction

Wind fields

Wind measurement

Wind speed

Wind stress

Winds

Wind direction

BT: Direction

RT: Weather maps

Wind data

Wind measurement

Wind roses

Wind speed

Wind vectors

Windrows

Winds

Wind drift (current)

USE: **Wind-driven currents**

Wind energy

USE: **Wind power**

Wind erosion

BT: Erosion

RT: Soil erosion

Winds

Wind farms

RT: Energy resources

Green energy

Offshore operations

Offshore structures

Power from the sea

Renewable resources

Turbines

Wind power

Wind fields

RT: Wind data

Winds

Wind forces

USE: **Wind pressure**

Wind generated waves

USE: **Wind waves**

Wind loading

USE: **Wind pressure**

Wind measurement

BT: Flow measurement

RT: Wind data

Wind direction

Wind measuring equipment

Wind power

Wind speed

Winds

Wind measuring equipment

BT: Flow measuring equipment

NT: Anemometers

Balloons

RT: Flowmeters

Meteorological instruments

Radiosondes

Turbulence measurement

Wind measurement

Winds

Wind power

UF: Wind energy

BT: Energy resources

RT: Green energy

Power from the sea

Renewable resources

Wind constancy

Wind farms

Wind measurement

Wind pressure

Wind speed

Winds

Wind pressure

SN: The force exerted on a structure by wind. Before 1983 search also WIND FORCES

UF: Wind forces

Wind loading

BT: Loads (forces)

RT: Wind power

Winds

Wind profiles

UF: Wind speed profiles

BT: Velocity profiles

RT: Atmospheric boundary layer

Velocity gradients

Wind shear

Wind speed

Winds

Wind roses

BT: Map graphics

RT: Climatological charts

Current roses

Wind direction

Wind speed

Wind setup

SN: Use for changes in still water level due to wind stress in enclosed bodies of water

UF: Setup (wind)

Wind time

RT: Lake dynamics

Storm surges

Water levels

Wind stress

Wind shear

BT: Shear
RT: Current shear
Vertical shear
Wind profiles
Wind speed
Wind vectors

Wind speed

UF: Wind strength
Wind velocity
BT: Velocity
RT: Gusts
Squalls
Wave parameters
Weather
Weather maps
Wind constancy
Wind data
Wind direction
Wind measurement
Wind power
Wind profiles
Wind roses
Wind shear
Wind vectors
Wind wave parameters
Winds

Wind speed profiles

USE: **Wind profiles**

Wind strength

USE: **Wind speed**

Wind stress

UF: Surface stress
BT: Stress (mechanics)
RT: Atmospheric boundary layer
Atmospheric forcing
Drag
Drag coefficient
Ice drift
Reynolds stresses
Shear stress
Sverdrup transport
Wave parameters
Wind-wave interaction
Wind data
Wind setup
Wind stress curl
Wind wave generation
Wind wave parameters
Winds

Wind stress curl

UF: Curl of wind stress
BT: Curl (vectors)
RT: Wind stress
Wind vectors

Wind systems

USE: **Winds**

Wind time

USE: **Wind setup**

Wind tunnels

RT: Test equipment

Wind vanes

USE: **Vanes**

Wind vectors

BT: Map graphics
Vectors
RT: Wind direction
Wind shear
Wind speed
Wind stress curl

Wind velocity

USE: **Wind speed**

Wind wave generation

BT: Wave generation
RT: Air flow over water
Drag
Drag coefficient
Duration
Fetch
Momentum transfer
Surface roughness
Wind-wave interaction
Wind stress
Wind waves

Wind wave parameters

BT: Parameters
RT: Duration
Fetch
Water depth
Wave properties
Wind speed
Wind stress
Wind waves

Wind waves

UF: Wind generated waves
BT: Surface water waves
RT: Surface gravity waves
Surges
Swell
Wave climate
Wave recorders
Wind-driven currents
Wind-wave interaction
Wind wave generation
Wind wave parameters

Windrows

BT: Slicks
RT: Cellular convection
Langmuir circulation
Surface films
Surface properties
Wind direction

Winds

UF: Wind
Wind systems
BT: Atmospheric motion
NT: Gale force winds
Geostrophic winds

Local winds

Planetary winds

RT: Anticyclones

Atmospheric circulation
Atmospheric pressure
Atmospheric turbulence
Climate
Climatology
Cyclones
Eolian processes
Eolian transport
Fetch
Fluid flow
Gusts
Langmuir circulation
Sea level pressure
Squalls
Storms
Tornadoes
Upwelling
Wind-driven currents
Wind abrasion
Wind data
Wind direction
Wind erosion
Wind fields
Wind measurement
Wind measuring equipment
Wind power
Wind pressure
Wind profiles
Wind speed
Wind stress

Wings

SN: Before 1982 search
LOCOMOTORY
APPENDAGES
BT: Locomotory appendages
RT: Aquatic birds
Aquatic insects

Winkle fisheries

USE: **Gastropod fisheries**

Winkler method

BT: Analytical techniques
RT: Dissolved oxygen

Winnowing

BT: Sediment sorting
RT: Particle settling

Winter

BT: Seasons
RT: Cold season
Overwintering
Overwintering techniques
Winterkill

Winter eggs

USE: **Resting eggs**

Winterkill

SN: The loss of animals in a lake, pond or other water body as a result of heavy ice cover or mid-winter anoxia affecting eutrophic lakes
 BT: Fish kill
 RT: Anoxic conditions
 Ice cover
 Overwintering techniques
 Oxygen depletion
 Temperature effects
 Winter

Wire angle

RT: Cables
 Mooring lines
 Towing lines
 Trawling
 Wire rope

Wire rope

SN: Do not use for electric cables
 UF: Steel wire
 Wires
 BT: Ropes
 RT: Cable dynamics
 Cables
 Guide lines
 Wire angle

Wires

USE: **Wire rope**

Within-year variations

USE: **Seasonal variations**

Women

BT: Females
 Gender
 RT: Men

Wood

BT: Materials

Work boats

USE: **Support ships**

Work platforms

UF: Platforms (work)
 NT: Drilling platforms
 Production platforms
 RT: Barges
 Cable ships
 Dredgers
 Drilling vessels
 Factory ships
 Fishing vessels
 Fixed platforms
 Offshore structures
 Surface craft
 Underwater habitats
 Underwater structures
 Underwater vehicles

Workers

USE: **Personnel**

Working locations

USE: **Locations (working)**

Working underwater

UF: Divers work
 Underwater work
 NT: Cutting underwater
 Surveying underwater
 Welding underwater
 RT: Diving
 Diving bells
 Diving industry
 Diving physiology
 Diving tools
 Locations (working)
 Saturation diving
 Underwater equipment
 Underwater habitats
 Underwater photography
 Underwater structures
 Visibility underwater

Workovers

USE: **Well workover operations**

Workshops

USE: **Conferences**

World

SN: Use for worldwide studies, e.g. economics, commodity statistics. For world geographic descriptors, see World entries facet in Geographic Authority List
 RT: Geographical distribution

World Wide Web

USE: **Internet**

Worm culture

BT: Cultures
 RT: Aquatic invertebrates
 Bait culture
 Frog culture

Wounding

BT: Catching methods
 RT: Hunting
 Whaling statistics
 Wounding gear

Wounding gear

UF: Harpoons
 Impaling gear
 BT: Fishing gear
 RT: Spear fishing
 Wounding

Wounds

USE: **Injuries**

Wreck location

BT: Detection
 RT: Surveying underwater
 Underwater object location
 Wrecks

Wreck recovery

USE: **Salvaging**

Wrecks

RT: Flotsam
 Navigational hazards
 Salvaging
 Ship losses
 Wreck location

WWW

USE: **Internet**

X-ray analysis

USE: **X-ray spectroscopy**

X-ray diffraction analysis

BT: X-ray spectroscopy
 RT: Diffraction

X-ray emission analysis

BT: X-ray spectroscopy

X-ray fluorescence analysis

BT: X-ray spectroscopy

X-ray inspection

BT: Inspection
 RT: X-ray spectroscopy
 X-rays

X-ray spectroscopy

SN: Before 1982 search also X-RAY ANALYSIS
 UF: X-ray analysis
 BT: Spectroscopic techniques
 NT: X-ray diffraction analysis
 X-ray emission analysis
 X-ray fluorescence analysis
 RT: Chemical analysis
 Radiography
 X-ray inspection
 X-rays

X-rays

BT: Electromagnetic radiation
 RT: X-ray inspection
 X-ray spectroscopy

Xanthophores

USE: **Chromatophores**

Xanthophylls

BT: Photosynthetic pigments
 RT: Photosynthesis

XBTs

UF: Expendable bathythermographs
 BT: Bathythermographs
 NT: AXBTs
 RT: Thermistors

Xenon

BT: Rare gases
 RT: Xenon isotopes

Xenon isotopes

BT: Isotopes
RT: Xenon

Xylene

BT: Aromatic hydrocarbons

Xylose

BT: Monosaccharides
RT: Aldehydes

Yacht harbours

USE: **Marinas**

Yachting

BT: Boating
RT: Yachts

Yachts

BT: Sailing ships
RT: Marinas
Yachting

Yarns

UF: Twine
BT: Gear materials
RT: Synthetic fibres

Yaw

USE: **Yawing**

Yaw response

BT: Dynamic response
RT: Buoy motion effects
Yawing

Yawing

UF: Yaw
BT: Ship motion
RT: Buoy motion effects
Rolling
Yaw response

Year class

RT: Age composition

Year to year variations

USE: **Annual variations**

Yearly changes

USE: **Annual variations**

Yeasts

BT: Microorganisms
RT: Fermentation
Microbiological strains
Single cell proteins

Yellow substance

USE: **Gelbstoff**

Yellow tail fisheries

USE: **Carangid fisheries**

Yield

UF: Yield tables
NT: Potential yield
RT: Biological production
Biomass
Fishing mortality
Overfishing
Population number
Recruitment
Yield-per-recruit
Yield predictions

Yield-per-recruit

UF: Yield/recruit
YPR
RT: Biomass
Fishing mortality
Recruitment
Yield

Yield point

BT: Mechanical properties
RT: Collapse strength
Deformation
Strength

Yield predictions

RT: Prediction
Yield

Yield tables

USE: **Yield**

Yield/recruit

USE: **Yield-per-recruit**

Yolk

RT: Cytoplasm
Eggs
Proteins
Vitellogenesis

Yolk formation

USE: **Vitellogenesis**

YPR

USE: **Yield-per-recruit**

Ytterbium

BT: Lanthanides
RT: Ytterbium isotopes

Ytterbium isotopes

BT: Isotopes
RT: Ytterbium

Yttrium

BT: Alkaline earth metals
RT: Yttrium isotopes

Yttrium isotopes

BT: Isotopes
RT: Yttrium

Zeolites

BT: Silicate minerals
NT: Analcite

Clinoptilolite

Phillipsite

RT: Metamorphic rocks

Zinc

BT: Heavy metals
RT: Ferromanganese nodules
Metalliferous sediments
Zinc compounds
Zinc isotopes

Zinc compounds

BT: Chemical compounds
RT: Zinc

Zinc isotopes

BT: Isotopes
RT: Zinc

Zircon

BT: Silicate minerals
RT: Placers
Zirconium

Zirconium

BT: Heavy metals
Transition elements
RT: Ferromanganese nodules
Zircon
Zirconium compounds
Zirconium isotopes

Zirconium compounds

BT: Chemical compounds
RT: Zirconium

Zirconium isotopes

BT: Isotopes
RT: Zirconium

Zoeae

BT: Crustacean larvae

Zonal distribution

SN: Distribution East-West
between or along lines of
latitude. Used only as a qualifier
BT: Geographical distribution
RT: Hydrographic sections
Meridional distribution

Zonal wind systems

USE: **Planetary winds**

Zonation (ecological)

USE: **Ecological zonation**

Zoobenthos

UF: Benthic fauna
BT: Benthos
RT: Aquatic animals

Zoogeography

USE: **Biogeography**

Zoological drawings

USE: **Illustrations**

Zoologists

BT: Biologists
 NT: Carcinologists
 Entomologists
 Ichthyologists
 Malacologists
 Mammalogists
 Ornithologists
 RT: Taxonomists
 Zoology

Zoology

BT: Biology
 NT: Conchology
 Invertebrate zoology
 Vertebrate zoology
 RT: Animal physiology
 Animal populations
 Aquatic animals
 Biogeography
 Embryology
 Palaeontology
 Species
 Taxonomy
 Zoologists

Zooplankton

UF: Animal plankton
 Macroplankton
 BT: Plankton
 NT: Gelatinous zooplankton
 Holoplankton
 Ichthyoplankton
 Meroplankton
 Sapropylankton
 RT: Aquatic animals
 Blooms
 Food organisms
 Nekton collecting devices
 Patchiness
 Secondary production
 Zooplankton culture

Zooplankton culture

BT: Cultures
 RT: Brine shrimp culture
 Continuous culture
 Cultured organisms
 Zooplankton

Zoosemiotics

USE: **Animal communication**

Zoospores

USE: **Spores**

Zooxanthellae

SN: Symbiotic unicellular yellow-green algae occurring in some radiolarians, flatworms and polyps
 BT: Algae
 RT: Symbionts

Zygotes

RT: Diploids
 Ploidy
 Reproduction
 Sexual cells

ISBN 978-92-5-131175-2



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CA2743EN/1/01.19