



APRIL 9-11, 2025

International Conference on

MARINE BIODIVERSITY, GENOMICS, AND SUSTAINABLE DEVELOPMENT

ICMBGSD-2025



**VENUE : SCHOOL OF MARINE SCIENCES,
COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY,
KOCHI**

ORGANIZED BY
DEPARTMENT OF MARINE BIOLOGY, MICROBIOLOGY AND BIOCHEMISTRY, CUSAT

IN ASSOCIATION WITH
NATIONAL CENTRE FOR POLAR AND OCEAN RESEARCH (NCPOR), GOA
&
CUSAT-NCPOR CENTRE FOR POLAR SCIENCES



Department of Marine Biology, Microbiology, and Biochemistry

DMMB is an integral part of the School of Marine Sciences CUSAT, which is one of its kinds School in the country with all branches of marine sciences under the same umbrella. Being a highly research intensive department, DMMB is recognized under DST-FIST, UGC-SAP, KSCSTE-SARD and RUSA. M.Sc. Marine Biology offered by the DMMB is highly sought after P.G. program in the country. Considering the core competencies developed in the department over the years DMMB has started offering a new PG program (M.Sc) in Marine Genomics, which gels very well with the traditional M.Sc. Marine Biology program and augur well for the research advancements in the future.

National Centre for Polar and Ocean Research (NCPOR)

NCPOR - National Centre for Polar and Ocean Research (NCPOR) is India's premier R&D institution responsible for the country's research activities in the Polar and Southern Ocean realms. Biological studies conducted in the Polar regions spread over a wide range of aspects from evolutionary perspectives to harnessing biotechnological potential. Researchers are studying the composition and spatial distribution of bacteria, fungi, algae, mosses and lichens in various niches thereby addressing ecological aspects.

CUSAT-NCPOR Centre for Polar Sciences (CNCPS)

Established in the School of Marine Sciences (SMS) of CUSAT, CNCPS facilitates active participation of faculty, researchers and students from SMS in polar and ocean research. Since 2009, regular participation of faculty and research scholars are taking place and the CNCPS is showing excellent research output. Working in tandem with NCPOR the impact of CNCPS in promoting polar and ocean research is very significant.

Background

Oceans covering 2/3 of planet earth, which is teeming with various kinds of living organisms ranging from microscopic prokaryotes to the mammoth blue whales. Each of them has a definite role in the huge marine ecosystem and supports humanity with great amounts of food and other products and services. However, the perturbations in the marine environment due to ocean acidification and increase in sea surface temperatures, ever increasing quantities of marine litter and the coastal pollution has started affecting the biological communities in a significant manner which will affect the very existence of humans on planet earth. On the other side, being a relatively under explored ecosystem, it offers great scope for novel secondary metabolites, bioactive molecules and services to humanity. Advancements in genomic sciences provides a powerful tool to harness the same. ICMBGSD-2025 offers a platform for interaction among the leading researchers and academics in this field which will be a great opportunity to take stock of the current situation and plan strategies for the sustainable utilization of the biological resources of the ocean and harness it for the benefit of humanity.

Focal Themes

- **Marine Biodiversity and Conservation**
- **Sustainable Fisheries, Aquaculture and Blue Economy**
- **Marine Biotechnology and Genomics**
- **Marine Natural Products and Drug Discovery**
- **Polar Biology, Ecology, Climate Change and Ocean Health**
- **Marine Microbiology and Anti-Microbial resistance**

Important Dates

Registration and Abstract submission open from 10 January 2025
Last date of submission - 30 January 2025

PATRONS

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Venue of the Conference: Cochin, Kerala, India

Cochin, known as the "Queen of the Arabian Sea," is a historic port city that played a pivotal role in ancient spice trade routes. Its rich cultural heritage blends Portuguese, Dutch, and British influences. Geographically, it features serene backwaters and picturesque beaches and serves as a gateway to Kerala's scenic landscapes and traditions. The seminar will be held at the School of Marine Sciences of Lakeside Campus of CUSAT at Foreshore Road, Kochi, offering a panoramic view of the serene Cochin backwaters.

Abstract Submission

The deadline for abstract submission is January 30, 2025. All submitted abstracts will undergo a review process by a panel of experts and will be selected for oral or poster presentations. At least one author of the accepted abstract must register for the conference by paying the required registration fee. Only registered participants will be allowed to present and attend the sessions.

Detailed guidelines for abstract submission, along with a model template, can be downloaded from the conference website <https://icmbgsd2025.cusat.ac.in>

Oral Presentations

Technical sessions will focus on the listed thematic areas and will run concurrently. Selected papers will be allocated slots for oral presentations. The best papers from each thematic area will receive awards, recognizing their excellence.

Poster Presentations

Authors are encouraged to showcase their research in poster sessions, which hold equal importance to oral presentations and are open to all thematic areas. Detailed instructions for preparing posters will be provided to interested authors. The best posters will also be awarded to recognize outstanding contributions.

Registration fee

Students: 500/-

Research Scholars: 1500/-

Faculty/ Scientist: 3000/-

Faculty/ Scientist (International): USD 250

(The registration fees will cover admission to the conference, conference materials, lunch, and refreshments)

Bank details

Account name: Chief convenor, Head, Department of Marine biology,

Microbiology & Biochemistry

Account no: 925010001361154

Bank name: AXIS BANK LTD

Branch: THRIKKAKARA

IFSC code: UTIB0001161

