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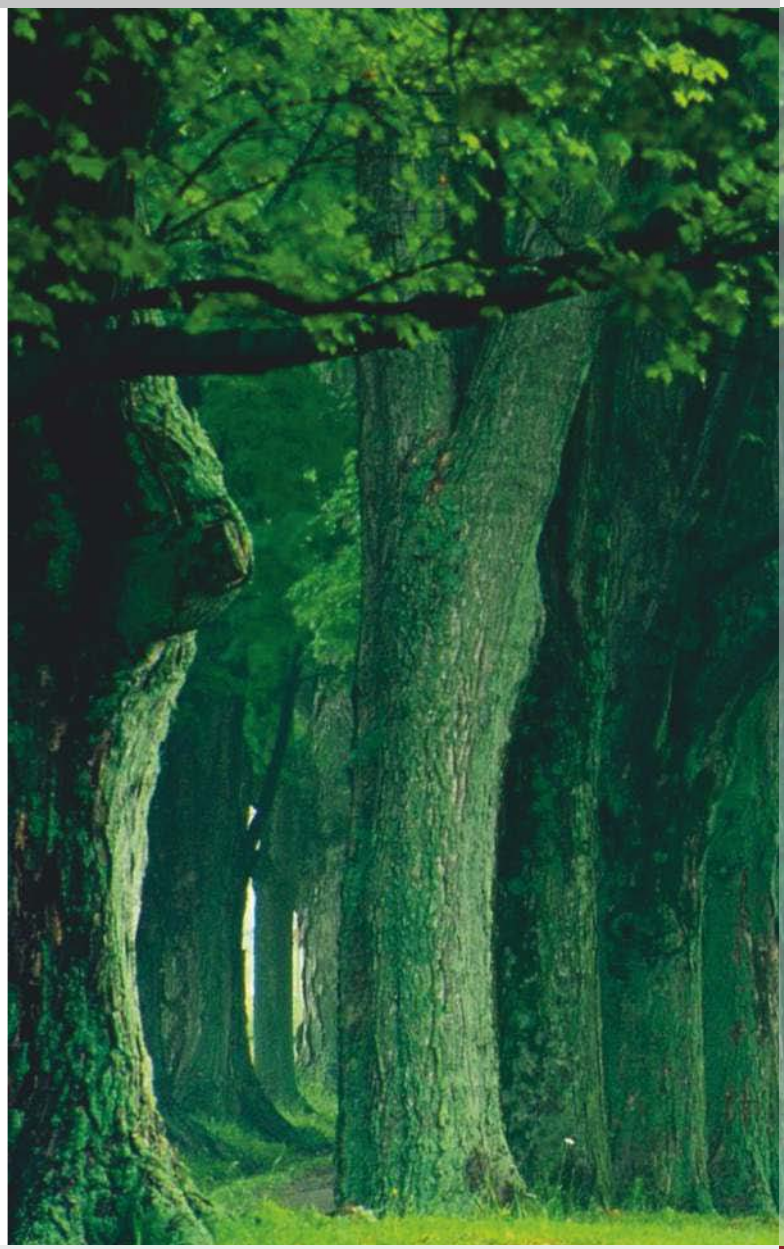

Contents

Agricultural Sciences

Agronomy

Cereal Crops: Science and Technology

Cereals are the most widely consumed food products and they constitute a major part of the world's diet. Cereal production depends on the availability of land, water as well as nutrients. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail. Different approaches, evaluations, methodologies and advanced studies on crop science have been included in this book. It covers in detail some existent theories and innovative concepts revolving around this discipline. It will provide comprehensive knowledge to the readers. This book is meant for students and experts who are looking for an elaborate reference text on cereal crops, cereal production and cereal crop management.

Alabaster Jenkins

ISBN
978-1-68286-380-0

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Pub Year: 2017

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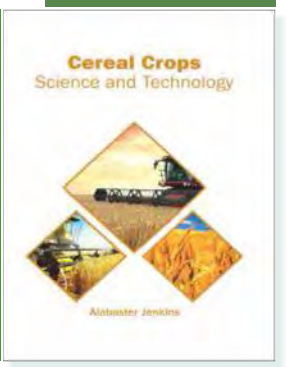
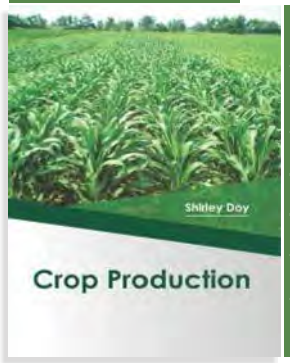


Agronomy



Shirley Doy

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Crop Production

Crop production is the division of agriculture that focuses on growing crops that are used for food and fiber. It includes grains, tobacco, vegetables, nuts and plants. This book includes some of the vital pieces of work being conducted across the world, on various topics related to crop production and its sub-fields. The topics included in the book cover the varied aspects of crop production like harvesting, storage, irrigation practices, etc. The aim of this book is to present researches that have transformed this discipline and aided its advancement. Researchers and students in this field will be assisted by this book.

Agronomy

Crop Yield and Management

Crop yield and management deals with the study of the diverse methods involved in crop production and crop management. Increasing interest and access to various types of ecosystems have taken research forward and has ensured that the topics of genetic modification, pest management and plant breeding are discussed in detail. This book is a complete source of knowledge on the present status of this important field. It traces the progress of this field and highlights some of its key concepts and applications. This book presents researches and studies performed by experts across the globe. While understanding the long term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. This book with its detailed analysis and data will prove immensely beneficial to professionals and students involved in this area at various levels.

Corey Aiken

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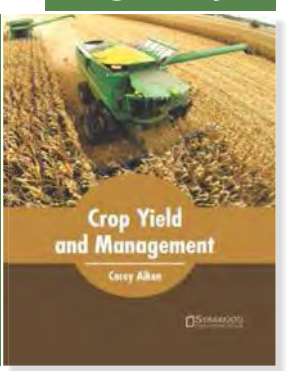

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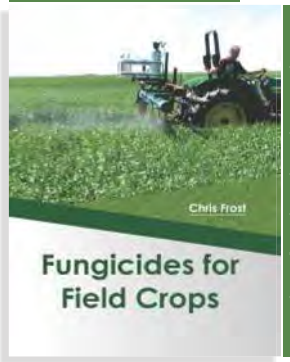

Chris Frost

ISBN
978-1-68286-388-6

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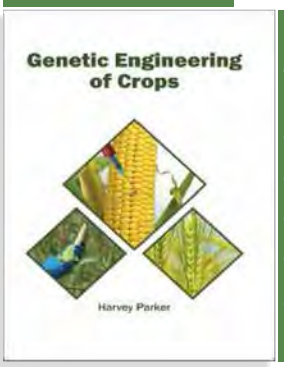
Fungicides for Field Crops

Fungicides are those biocides which are required to kill fungi and fungal sores. Fungi can cause significant damage to the crops and thus, using fungicides is an important part of farming routine. The two types of fungicides used are natural ones like tea tree oil, jojoba oil, rosemary oil, etc. and artificial ones like contact, translaminar, etc. This book unravels the recent studies in the field of fungicides. The topics included herein are of utmost significance and bound to provide incredible insights to readers. Scientists and students actively engaged in this field will find the book full of crucial and unexplored concepts. It will prove to be a valuable resource guide for all.

Agronomy



Harvey Parker

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Genetic Engineering of Crops

Genetic engineering of crops are methods of modification and engineering to alter the traits of crops. This book on genetic engineering of crops discusses topics that deal with plant characteristics and disease resistance. This book outlines the progresses and applications of genetic engineering in crops in detail. The topics included in this book are of utmost significance and bound to provide incredible insights to readers. Those in search of information to further their knowledge will be greatly assisted by this text as it presents researches contributed by acclaimed experts from across the globe. Academicians and students alike would find this book on genetic engineering of crops especially helpful.

Soybean: Production, Breeding and Management

Soybeans are part of the family of legumes. Soybean is commercially processed into various items such as OPI, soymilk, etc. This book elucidates the concepts and innovative models around prospective developments with respect to soybean management. Soybean farming is dependent on weather quality as well as variety of seed ranging from high yield varieties to herbicide resistant seeds. This book is compiled in such a manner, that it will provide in-depth knowledge about theory and practice of soybean harvesting. From theories to research to practical applications, case studies related to all contemporary topics of relevance have been included in this book. The extensive content of this book provides the readers with a thorough understanding of the cultivation of soybean, from production to storage, as well as soybean breeding and management.

Agronomy

Albert Marinelli

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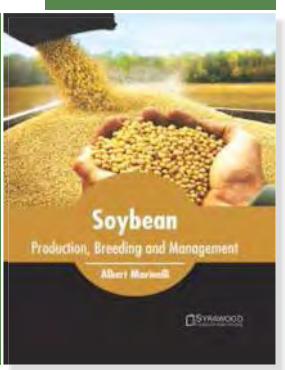

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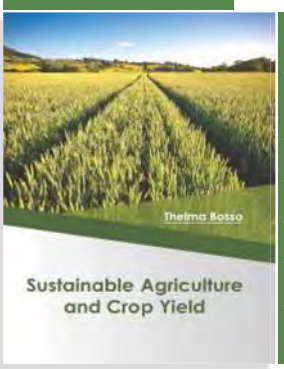

Thelma Bosso

ISBN 978-1-68286-413-5

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Sustainable Agriculture and Crop Yield

Sustainable agriculture is defined as the practice of farming that is practiced alongside a systematic understanding of ecosystem management. It is aimed at strategic management of resources over a long period of time. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field. It is compiled in such a manner that it will provide in-depth knowledge about the theory and practice of sustainable agriculture. This book explores themes that discuss resource utilization and efficiency, management of farms according to needs as well as plant breeding and sowing patterns. Experts in the field of agricultural soil sciences, horticulture and microbiology will find this book to be extremely useful. Students that require an in-depth study on sustainable agriculture and its relation to the environment can use this book to aid their research.

Sustainable Crop Production

Sustainable crop production came as a revolution in the industry of crop production and agriculture. This field has emerged as a way of questioning the current practices of crop production which are proving hazardous to the ecology and detrimental to human health. The goal of this text is to strive for environmentally healthy and economically feasible alternative practices. This book contains some path-breaking studies in the field of sustainable crop production which will not only offer a critical insight into theory but will also highlight the recent developments in the field with its applications. In this book, using case studies and examples, constant effort has been made to make the understanding of the difficult concepts of sustainable crop production as easy and informative as possible, for the readers.

Agronomy

Alabaster Jenkins

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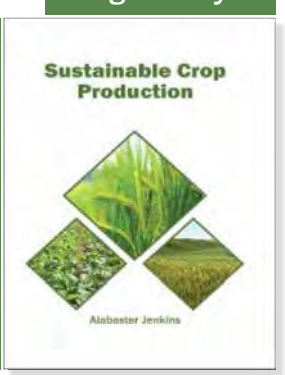

Impacts of Soil on Plant Growth and Environment

Soil Science

Plant growth and well-being depend on a number of factors but the most important among these is soil quality. This book aims to compile the most advanced research on soil profiles and their availability across various environments. Plant growth and subsequent regeneration require regular supply of nutrients as well as safety from pests and diseases. Conservationists, agronomists and botanists will find this book especially helpful. As the field of plant growth is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject.

Jamie Hanks

ISBN 978-1-68286-395-4

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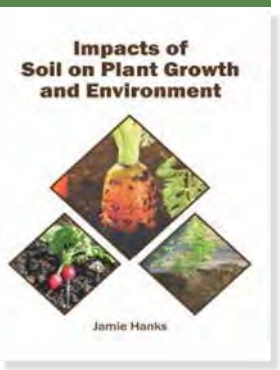
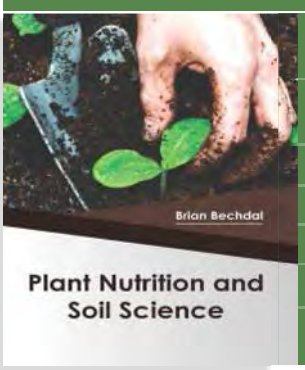


Plant Nutrition and Soil Science

Soil Science

This book traces the progress of plant nutrition and soil science, highlighting some of the key concepts and applications. Plant nutrition deals with the study of various chemical compounds and elements which are required for proper growth and sustainability of plants. Soil Science plays a significant role in plant nutrition. The aim of this book is to delve into the relationship of these two fields and understand their interdisciplinary aspects. Such selected concepts that redefine these disciplines have been presented in this book. It will serve as a valuable source of relevance for agronomists, botanists, students & researchers associated with these fields.



Brian Bechdal

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Processes, Quality and Fertility of Soil

Soil Science

Soil is a major provider of nutrients to crops and undergoes various changes and processes. Soil quality and soil function are important branches of agricultural soil sciences. This book presents interdisciplinary view-points related to varied aspects of soil science such as soil nutrition, soil fertility as well as soil conservation. This book aims to shed light on some of the explored aspects of this field. It attempts to understand the multiple branches that fall under the discipline of soil science and how such concepts have practical applications. The extensive content of this book provides the readers with a thorough understanding of the subject. It will prove extremely helpful for experts in the field of soil ecology, agriculture, horticulture and soil surveying.

Henry Wang

ISBN 978-1-68286-384-8

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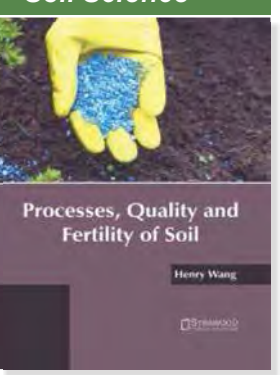
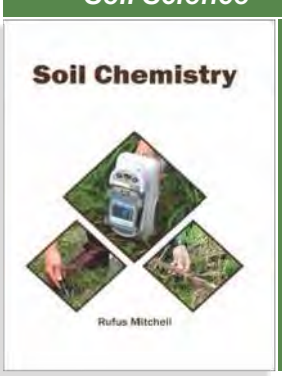


Soil Chemistry

Soil Science

Soil chemistry is the study of the chemical properties of the soil. Chemical changes in the composition of soil layers affect the fertility as well as absorptive capabilities of the soil. This book elucidates the concepts and innovative models around prospective developments with respect to soil chemistry and environmental factors that directly affect chemical characteristics of soil. This book includes some of the vital pieces of work being conducted across the world, on various topics related to this field. For all readers who are interested in soil chemistry, the case studies included in this book will serve as excellent guide to develop a comprehensive understanding.



Rufus Mitchell

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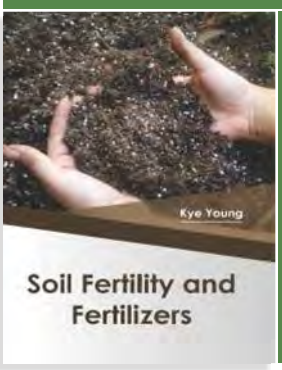
Soil Science



Kye Young

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Soil Fertility and Fertilizers

Soil fertility is a primary aspect of soil science. It refers to the study of techniques and methods used for enhancement of fertility in soil. It also includes soil structure, soil moisture retention and soil conservation among other practices. It is used in agriculture mainly to reduce soil erosion and soil degradation. The most common fertilizers are natural fertilizers like manure, peat, etc. and artificial fertilizers like ammonium nitrate, etc. While understanding the long-term perspectives of the topics, this book makes an effort in highlighting their impact as modern tool for the growth of soil fertility. It aims to shed light on some of the unexplored aspects and the recent researches in this field. Students, researchers, experts and all associated with this are will benefit from this text.

Soil Quality and Management

Soil quality is defined as the condition of soil necessary for the survival of any living species. Soil quality incorporates agricultural soil science as well as soil management and soil ecology. Soil quality and soil management, together aim to facilitate sustainable ecological practices that will support plant and animal life as well as the management of related fields of irrigation and sowing practices. This book covers in detail some existent theories and innovative concepts revolving around soil ecology and management. Different approaches, evaluations, methodologies and advanced studies in this field have been included in this text. It is appropriate for students seeking detailed information in this area as well as for experts. It includes contributions of experts and scientists which will provide innovative insights into this field.

Soil Science

Henry Wang

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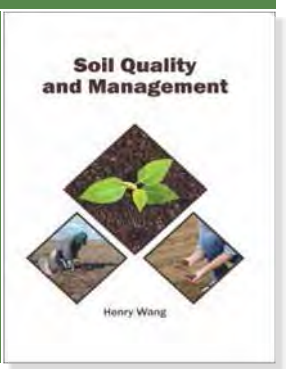
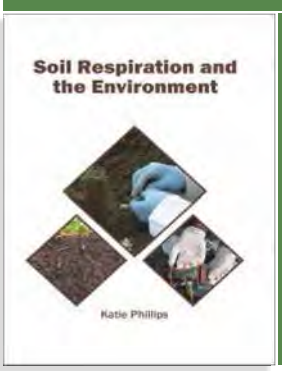


Soil Science



Katie Phillips

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Soil Respiration and the Environment

The Soil respiration process is the process of production of carbon di-oxide by soil organisms through respiration. Temperature, oxygen and nutrient content in soil are some of the factors that influence the process of soil respiration. This book conveys in detail some existent theories and innovative concepts revolving around this field. It also encompasses several topics on the process of soil respiration and how it affects the environment. Researchers and experts involved in this field will find this book to be extremely useful. A number of latest researches have been included to keep the readers up-to-date with the global concepts in this area of study.

Sustainable Soil Management

Soil sciences and soil studies involve analyzing soil profiles that facilitate the growth of various ecosystems. Soil management is the study of various soil processes and techniques to sustain soil quality. Overgrowth and bad arbological practices also affect soil quality. This book provides new insight into various horticultural and agricultural techniques that contribute to sustainable soil management. This book is a valuable compilation of topics, ranging from the basic to the most complex advancement in the field of soil management. It will provide in-depth knowledge about theory and practice of this discipline. It also presents researches that have transformed this field and added its advancements. Any reader interested in soil conservation and agricultural soil sciences will find this book extremely helpful.

Soil Science

Lester Bane

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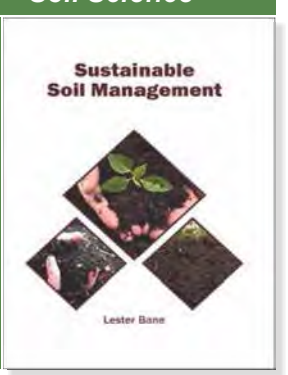

Agricultural Sciences

Horticulture

Horticulture: Ecology and Agriculture

Horticulture is the growth of plants for self-sustenance as well for as commercial purposes. Horticultural practices dominate the practical aspect of agriculture and horticultural theory too, plays an important aspect in agronomic studies. This book will provide interesting topics for research which interested readers can take up. This book studies, analysis and upholds the pillars of horticulture and its utmost significance in modern times. It attempts to understand the multiple branches that fall under the discipline of horticulture and now such concepts have practical applications primarily with respect to ecology and agriculture. It will help the readers in keeping pace with the rapid changes in this field. Those with an interest in the horticulture field would find this book helpful.

Wendel Mason

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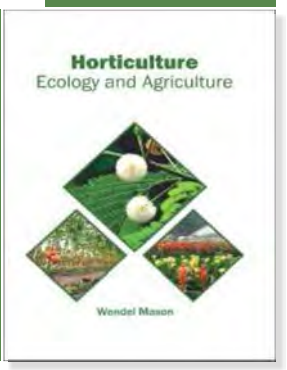
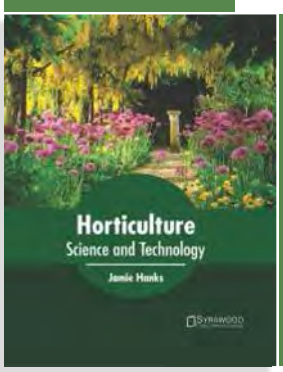


Horticulture



Jamie Hanks

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Horticulture: Science and Technology

Horticulture is an umbrella discipline encompassing the science and technology of growing a varied array of plants such as medicinal plants, non-food crops, herbs, etc. This book is a vital source for all researching or studying the field of horticulture as it gives incredible insights into emerging trends and concepts. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. Scientists and students actively engaged in this field will find this text full of crucial and unexplored topics.

Botany and Plant Science

A Modern Approach to Ecology of Plants

Plant Ecology is a vast field encompassing the study of environmental factors affecting the growth of plants. It also studies the interactions amongst plants as well as those of plants with the environment. This book contains some path-breaking studies in the field of plant ecology and provides comprehensive insights to the readers. It presents researches and studies performed by experts across the globe. This book will serve as a valuable reference to a broad spectrum of readers such as ecologists, botanists, environmentalists, agronomists, researchers, students and anyone else who is interested in exploring the field of plant ecology.

Austin Balfour

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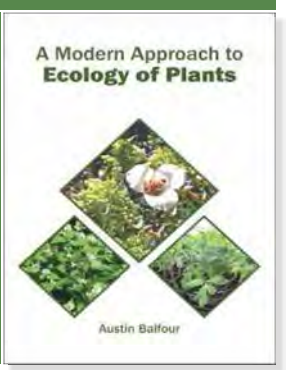
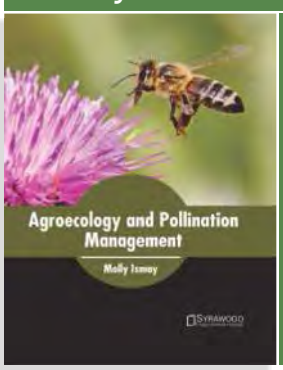


Botany and Plant Science



Molly Ismay

ISBN
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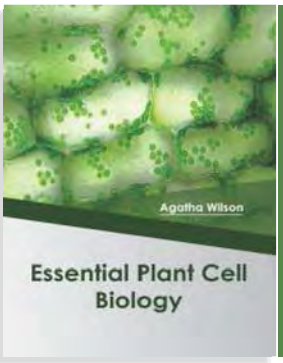
Agroecology and Pollination Management

This book unfolds the innovative aspects of agro-ecology and pollination management, which will be crucial for the progress of this field in the future. It attempts to understand the multiple branches that fall under this discipline and how such concepts have practical applications. Agro-ecology refers to the study of the various ecological processes related to agriculture. It specifically uses these processes to innovate new agriculture management techniques. Pollination management is a part of agro-ecology. It refers to the practice of enhancing crop pollination, in order to improve yield and crop quality. This text includes some of the vital pieces of work being conducted across the world, on various topics related to agro-ecology and pollination management. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline.

Botany and Plant Science



Agatha Wilson

ISBN
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$150.99 US

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240pp. Colored

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Essential Plant Cell Biology

Plant cell biology is defined as the study of the eukaryotic cells. Plant cells may seem similar to animal cell but in size the former is larger than the latter. This book presents the complex subject of plant cell biology and its varied branches in the most comprehensible and easy to understand language. It aims to provide a comprehensive understanding of plant cells through explaining the cell structures and other aspects. The text strives to provide its reader the essentials of plant cell biology through presenting the key components of cell biology. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge.

Botany and Plant Science

Handbook of Pesticides

Pesticides are a form of biocide used for protecting plants and crops from pests. Pesticides play a significant role in crop yield. This book will offer information about a wide variety of pesticides and also about its sub-fields such as herbicides, fungicides, insect growth regulators, etc. It elucidates new techniques and their applications in a multidisciplinary approach to understand the need and use of pesticides. This book provides significant information of this discipline to help develop a good understanding of pest control and its processes. It will help the readers in keeping pace with the rapid changes in this field.

Edwin Tan

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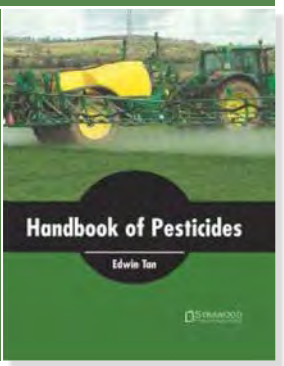
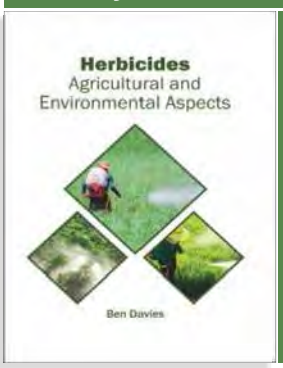


Botany and Plant Science



Ben Davies

ISBN
978-1-68286-389-3

$152.99 US

Pub Year: 2017

Book Size: 7.75”x10.5”

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Herbicides: Agricultural and Environmental Aspects

This book outlines the processes and applications of herbicides in detail. The topics included in it are of utmost significance and are bound to provide incredible insights to readers. Herbicides are an important part of crop protection. They are referred to as the chemical materials used to kill weeds and other unwanted plants. Herbicides or weed killers are of two types, namely, selective herbicides, which are used on specific weeds and non-selective herbicides, which are used to control all unwanted plants. This text is compiled in such a manner, that it will provide in-depth knowledge about the science and usage of herbicides, and the effects they have on our environment. Readers would gain knowledge that would broaden their perspective about this field. For all those students, experts and researchers who are interested in the field of herbicides, the case studies included in this book will serve as an excellent guide to develop a comprehensive understanding.

Botany and Plant Science

Insecticides: Methods, Applications and Management

Insecticides are meant to kill insects which affect plants and crop adversely. Their use is primarily in the agricultural sector. Over the past years insecticides have played a major role in agricultural productivity. The aim of this book is to present researches that have transformed this discipline and aided its advancement. It will also shed light on various types of insecticides including natural insecticides, inorganic insecticides, etc. It is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field of insecticides and its applications, methods and management. The extensive content of this book will provide the readers with a thorough understanding of the subject.

Nancy Cahoy

ISBN
978-1-68286-392-3

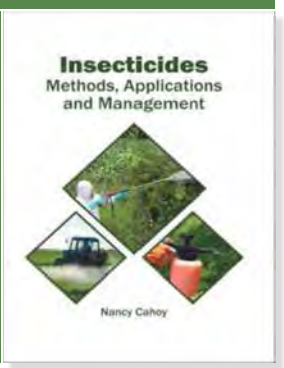
$140.99 US

Pub Year: 2017

Book Size: 7.75”x10.5”

216pp. Colored

Hardback



Botany and Plant Science

Plant Biotechnology: Genetics, Genomics and Breeding

Plant biotechnology refers to the study and practice of plant breeding, which comprises of altering plant traits in order to achieve specific plant characteristics. It comprises various methods namely, doubled haploids, genetic modifications, molecular breeding, etc. This book presents the complex subject of plant biotechnology in the most comprehensible and easy to understand language. It is a valuable compilation of topics, ranging from the basic to the most complex advancements in this field. Scientists and students actively engaged in this area will find this text full of crucial and unexplored concepts. It will serve as a resource guide for readers and contribute to the growth of this discipline.

Isabelle Nickel

ISBN
978-1-68286-398-5

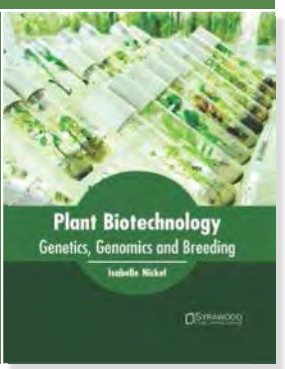
$152.99 US

Pub Year: 2017

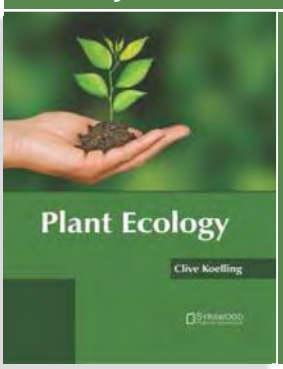
Book Size: 8.5”x11”

245pp. Colored

Hardback



Botany and Plant Science



Clive Koelling

ISBN
978-1-68286-393-0

$152.99 US

Pub Year: 2017

Book Size: 8.5”x11”

245pp. Colored

Hardback

Plant Ecology

Plant ecology can be defined as the in-depth study of plant species which are found in different ecological regions such as temperate grasslands, savannas and coniferous forests.This book will be useful for students and researchers in the fields of ecophysiology, ecosystem ecology and biosphere ecology. The field also delves into the various interactions among plants and those of plants with their surroundings. This book brings forth some of the most innovative concepts and elucidates the unexplored aspects of plant ecology. It attempts to understand the multiple branches that fall under this discipline and how such concepts have practical applications. This text includes some of the vital pieces of work being conducted across the world, on various topics related to plant ecology.

Agriculture and Fisheries Management

This book on agriculture and fisheries management deals with the scientific practice of maintaining a fishery with respect to sustainable and equitable development. Other natural resources that must be monitored are soil quality and fresh water. Agribusinesses utilize fisheries to uphold sustainable yield, land quality and food security practices. The contents in this text seek to provide methods that take into account practical concerns such as ecosystem development and conservation as well as technical and technological approaches such as population dynamics and monitoring. Through this book, we attempt to further enlighten the readers about the new concepts in this field. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge.

Fisheries and Aquaculture

Geoffrey Gilbert

ISBN
978-1-68286-474-6

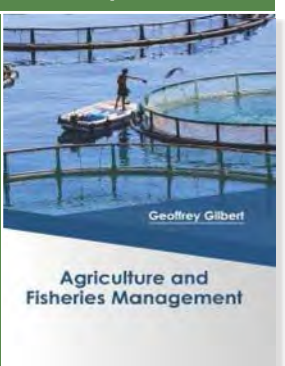
$154.99 US

Pub Year: 2017

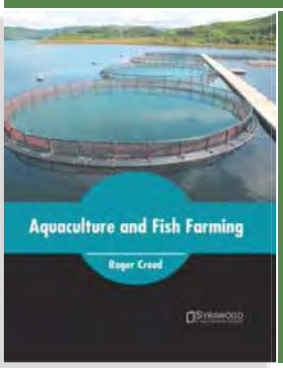
Book Size: 8.5”x11”

253pp. Colored

Hardback



Fisheries and Aquaculture



Roger Creed

ISBN
978-1-68286-377-0

$124.99 US

Pub Year: 2017

Book Size: 8.5”x11”

191pp. Colored

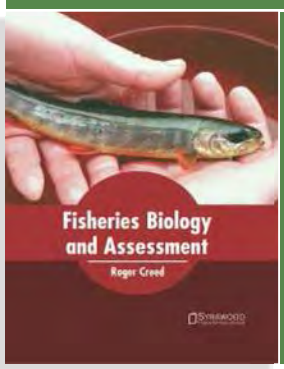
Hardback

Aquaculture and Fish Farming

Aquaculture also known as Aquafarming is defined as cultivation of aquatic organisms like fish and aquatic plants. A major branch of this field is fish farming which involves raising fish for commercial purposes. This book outlines the processes and applications of aquaculture and fish farming in detail. The book also discusses multiple techniques in aquaculture and fish farming. It also unfolds the innovative aspects of fish farming which will be crucial for the progress of this field in the future. This book includes some of the vital pieces of work being conducted across the world, on various topics related to this discipline. This text is an apt resource for aquaculturists, fish farmers and researchers who wish to study the unexplored aspects of this field.

Agricultural Sciences

Fisheries and Aquaculture



Roger Creed

ISBN
978-1-68286-378-7

$124.99 US

Pub Year: 2017

Book Size: 8.5”x11”

192pp. Colored

Hardback

Fisheries Biology and Assessment

Fisheries are an organization that farm and harvest fish for commercial purposes. Fisheries as an academic discipline deal with fisheries management, conservation and ethical practices of food harvesting and consumption. This book strives to provide a fair idea of fisheries biology and to help develop a better understanding of the latest advances within this field. It includes some of the vital pieces of work being conducted across the world, on various topics related to fisheries biology and assessment. It elucidates the concepts and innovative models around prospective developments with respect to this discipline. For all those who are interested in management and regulation of fisheries such as oceanographers, marine biologists and aquatic conservationists, this book can prove to be an essential guide.

Livestock Management and Dairy Farming

Animal Breeding and Livestock Management

Livestock management is understood as rearing and raising of domesticated animals in an agricultural setting so that the domesticated animals produce commodities like food, fiber, etc. Animal breeding falls under the animal science and addresses the genetic value of livestock. This book is compiled in such a manner, that it will provide in-depth knowledge about the theory and practice of animal breeding and livestock management. It aims to elaborately put together the various sub-fields of livestock management to make the readers aware about the importance of livestock management and its different aspects to get a holistic understanding of the larger discipline of animal breeding. This book includes contributions of experts and scientists which will provide innovative insights into this field.

Carlos Hassey

ISBN
978-1-68286-438-8

$150.99 US

Pub Year: 2017

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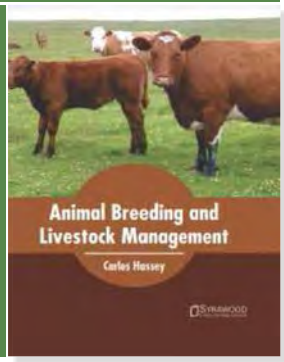
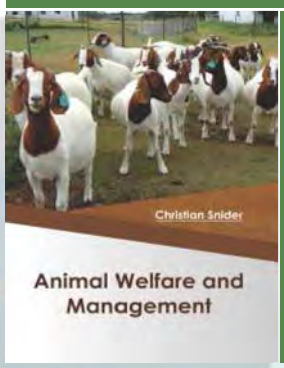
243pp. Colored

Hardback



Livestock Management and Dairy Farming



Christian Snider

ISBN
978-1-68286-375-6

$152.99 US

Pub Year: 2017

Book Size: 8.5”x11”

245pp. Colored

Hardback

Animal Welfare and Management

The well-being of animals is referred to as animal welfare. The science of animal well-being adopts various parameters like longevity, disease, immunosuppression etc. to determine the well-being of animals. This book delves deep into various researches that have been taken place around the world. Also included in this text is a detailed explanation of the various concepts and practices of animal welfare. It consists of contributions made by international experts providing a plethora of case studies in the field of animal welfare and management. Those in search of information to further their knowledge will be greatly assisted by this book.

Agricultural Biodiversity

Agricultural Sciences

Biodiversity is an important factor influencing agriculture. To attain sustainable growth and to maintain ecosystem services, the management of agricultural biodiversity is crucial. This book traces the progress of this field and highlights some of the key concepts and applications aimed at enhancing biodiversity. The book provides the reader a detailed insight into the diverse aspects of agricultural biodiversity and farm biodiversity, techniques for influencing the growth of crops, environment, ecosystems, etc. Some sustainable horticultural practices have also been discussed. This book will prove to be a useful tool for the students of agricultural sciences and associated disciplines of study.

Lester Bane

ISBN 978-1-68286-225-4

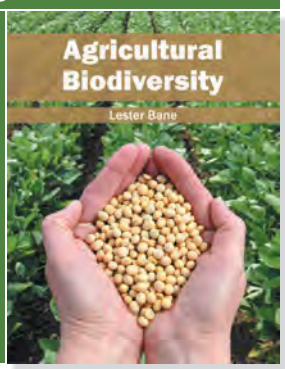
$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

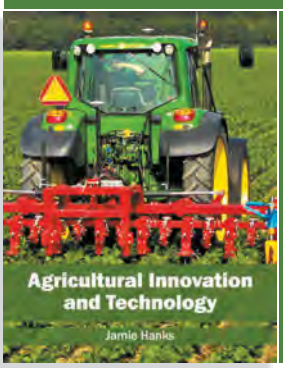
259pp. Colored

Hardback



Agricultural Innovation and Technology

Agricultural Sciences



Jamie Hanks

ISBN 978-1-68286-230-8

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

261pp. Colored

Hardback

The constant technological advances in the recent times have accelerated the growth of agriculture as a scientific discipline. Researches are being conducted worldwide to devise new methods to improve crop production and enhance quality. This book attempts to assist those with a goal of delving into such advancements with the help of topics like postharvest technology, organic agriculture, food security, genetic engineering, agronomy, etc. It will prove beneficial to students, academicians, scientists and everyone else associated with the field of agriculture.

Agricultural Planning, Technology and Management

Agricultural Sciences

Agriculture is one of the most extensively practiced economic activity worldwide. It is also responsible for fulfilling the world demand for food security. This has accelerated the research in this sector. Scientists and researchers across the globe are working to device innovative and sustainable agricultural practices. Some of the varied topics covered in this elaborate book are analysis of technical efficiency, cost structures, effect of drought, etc. This book targets students as well as agriculture scientists, researchers, policy makers and professionals engaged in the field of agriculture at various levels.

Nancy Cahoy

ISBN 978-1-68286-007-6

$124.99 US

Pub Year: 2016

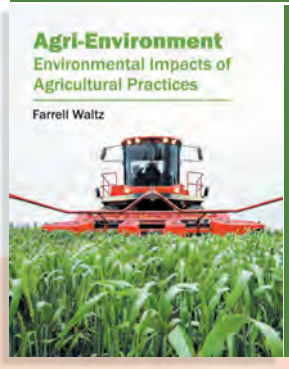
Book Size: 8.5”x11”

145pp. Colored

Hardback

Agri-Environment: Environmental Impacts of Agricultural Practices

Agricultural Sciences



Farrell Waltz

ISBN 978-1-68286-215-5

$154.99 US

Pub Year: 2016

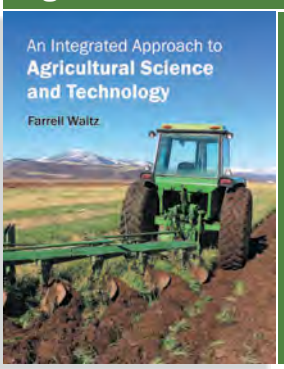
Book Size: 8.5”x11”

254pp. Colored

Hardback

Agriculture is a staple economic activity. In the recent years agricultural practices have had certain adverse ecological impacts. This innovative and comprehensive book presents the well-developed theory in this area of study by highlighting the key environmental factors that affect agricultural properties. The topics included in this book on ecological impact of agricultural practices are based on various researches conducted across the world. Soil degradation, recycling of organic waste, fertilizers, contaminated water, effects of climate change, etc., are some topics that have been covered and are of utmost significance. This book is an invaluable resource for academicians and professionals alike, as it consists of various topics which can be of interest to a wide audience.

Agricultural Sciences



Farrell Waltz

ISBN
978-1-68286-268-1

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

271pp. Colored

Hardback

An Integrated Approach to Agricultural Science and Technology

Agricultural research is occurring across the globe. It is constantly revolutionizing the techniques of crop production and management. Contributions of renowned experts have been compiled in this book to bring forth a global perspective on the advances in this field. Some of the significant topics covered in this book are irrigation, genetic variability, seed storage, properties of soil, agronomic performance, tillage practices, etc. This extensive text will serve as a reference guide for students, scholars, researchers, botanists, agriculture scientists and professionals engaged in the field of agriculture.

Crop Science

Crop science is a primary branch of agricultural science focusing on the genetics, production and environmental aspects of crops. This book on crop science focuses on significant aspects of the discipline such as seed science, irrigation, yield potentials, etc. It is a valuable compilation of topics, ranging from the basic to the most complex advancements of this field. With state-of-the-art inputs by acclaimed experts of this field, this book targets students and professionals. In this text, using case studies and examples, constant effort has been made to make the understanding of the difficult concepts of crop science as easy and informative as possible, for the readers.

Agricultural Sciences

Corey Aiken

ISBN
978-1-68286-360-2

$156.99 US

Year 2016

Book Size: 8.5”x11”

285pp. Colored

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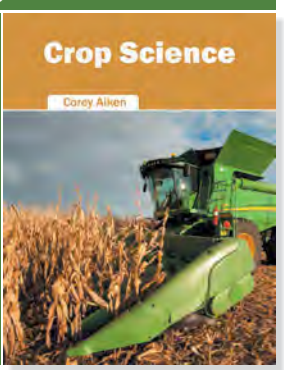


Agricultural Sciences

Laura Vivian

ISBN
978-1-68286-080-9

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

216pp. Colored

Hardback

Current Developments in Agricultural Research

Agricultural research is aimed at improving the quality and production of crops; irrigation; plant protection; management of agricultural resources, etc. This book focuses on the state-of-the-art research and developments in genetic engineering, plant breeding, food science and technology, role of agriculture in regional economic development, sustainable techniques and practices in agriculture, etc. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the recent developments in agricultural research.

Current Progress in Agricultural Genomics and Allied Sciences

Genetic engineering is a rapidly developing branch of biotechnology and is specifically useful for the development of agriculture. This book consists of contributions made by international experts on genetic engineering and biotechnology. This book traces the progress of this field and highlights some of its key concepts and applications through discussions on topics like genetics and plant breeding, agricultural chemistry, seed science, etc. This book is most suitable for students and academicians pursuing biotechnology and allied sciences. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject.

Agricultural Sciences

Harvey Parker

ISBN
978-1-68286-296-4

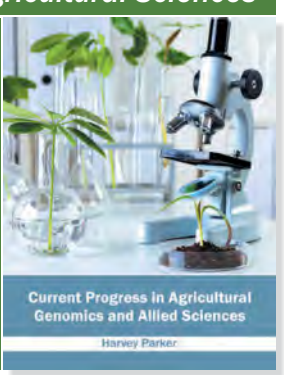
$154.99 US

Year: 2016

Book Size: 8.5”x11”

276pp. Colored

Hardback



Environment and Agriculture: Perspectives on Sustainability

Agricultural Sciences

There has been a growing demand for sustainable agriculture to improve environmental quality by making use of natural and organic resources. This text comprises of various topics such as use of organic manures and pesticides, land management, sustainable agricultural practices, crop yield, etc. that would provide a comprehensive insight into these fields. Researches and case studies by internationally eminent experts have been included herein. It aims to serve as a source of reference for students and professionals alike and contribute to the growth of the discipline.

Laura Vivian

ISBN 978-1-68286-332-9

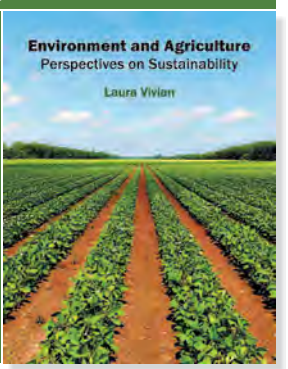
$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

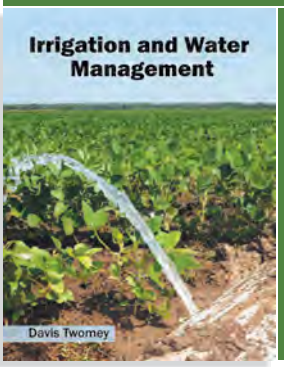
277pp. Colored

Hardback



Irrigation and Water Management

Agricultural Sciences



Davis Twomey

ISBN 978-1-68286-125-7

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

216pp. Colored

Hardback

Irrigation plays a crucial role in influencing the quality and quantity of crop yield. This book fulfills the need for a comprehensive text on irrigation and water management. The text discusses innovative techniques for irrigation, water sources, groundwater management, technological advances and challenges of this field. The scope of the book makes it a useful reference for agricultural engineers, students and professionals.

Principles of Crop Production

Agricultural Sciences

The book focuses on various principles of crop production by elucidating the theoretical and conceptual applications. It aims to outline methods to improve the yield of crop plants through selective plant breeding and hybridization. The book discusses practical applications, methods and practices in plant breeding, biotechnology in crop improvement and seed production of field crops. It will provide valuable knowledge to the interested readers, experts and agriculturists. It is designed to outline future developments and challenges in this field.

Corey Aiken

ISBN 978-1-68286-241-4

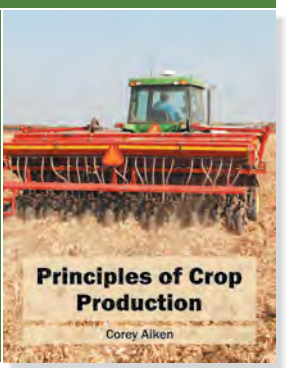
$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

264pp. Colored

Hardback



Seed Science and Technology

Agricultural Sciences

Shirley Doy

ISBN 978-1-68286-154-7

$144.99 US

Pub Year: 2016

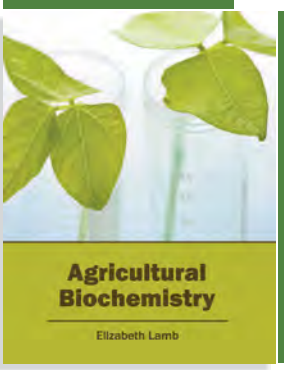
Book Size: 8.5”x11”

221pp. Colored

Hardback

The recent researches performed in seed science have transformed agricultural practices and have affected agricultural production as well. This book is meant for students who are looking for an elaborate reference text on seed science. It delves into significant topics, such as seed development, seed structure, germination, etc. With state-of-the-art inputs by acclaimed experts of this field, this book targets students and professionals alike.

Agronomy



Elizabeth Lamb

ISBN
978-1-68286-071-7

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

216pp. Colored

Hardback

Agricultural Biochemistry

Agricultural biochemistry integrates chemistry and biochemistry and seeks to apply the concepts into agricultural practice. This innovative and comprehensive book combines the well-developed theory and practical applications of agricultural biochemistry through lucid elaborations of selected topics of vital importance such as enzymology, plant biochemistry and genetics, plant physiology, etc. With state-of-the-art inputs by acclaimed experts of this field, this book targets students and professionals alike. Research scholars will also find this book a useful resource material filled with significant topics which can be taken up for research and further study.

Agricultural Biotechnology

Agricultural biotechnology is an emerging field of study that emphasizes on using different tools and techniques of biotechnology like genetic engineering, tissue culture, etc. for enhancing agricultural productivity and variety. This book aims to provide a comprehensive insight into relevant topics such as genetically engineered crops, sustainable organic farming, protection of crops using genetic alteration, etc. It includes various researches and advanced studies by experts and scholars from around the globe. The book attempts to familiarize the readers with the theories as well as novel applications of this field.

Agronomy

Laura Vivian

ISBN
978-1-68286-242-1

$152.99 US

Pub Year: 2016

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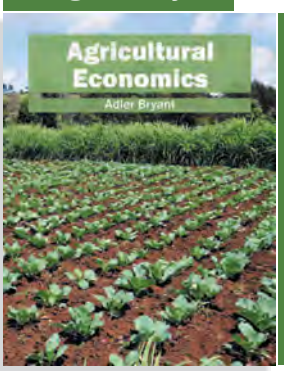
266pp. Colored

Hardback

Agronomy



Adler Bryant

ISBN
978-1-68286-365-7

$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

286pp. Colored

Hardback

Agricultural Economics

Agricultural economics is the application of concepts and tools from economics to evaluate the production, distribution and consumption of agricultural products. Agricultural economics plays a vital role in preparing agricultural, food and environmental policies and programmes that are crucial to the economic development of a nation. The significant topics included in this book are analyses of consumer behaviour, supply and demand, government regulations and policies, macroeconomics of agriculture, and market equilibrium, etc. In this book, using case studies and examples, constant effort has been made to make the understanding of the difficult concepts of agricultural economics as easy and informative as possible, for the readers.

Agronomics and Agro-food Marketing

There has been a paradigm shift in the fields of agronomics and agri-food management because of several factors like globalization, rise in world population, climate variability, etc. This book is a compilation of chapters that discuss the diverse concepts like land economics, financial reforms and subsidies for agricultural sector, sustainable rural development, organic farming techniques, etc. Different approaches, evaluations, methodologies and advanced studies on this subject have been included herein. The book attempts to offer a multifaceted perspective for students and researchers engaged in this field.

Agronomy

Alabaster Jenkins

ISBN
978-1-68286-246-9

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

261pp. Colored

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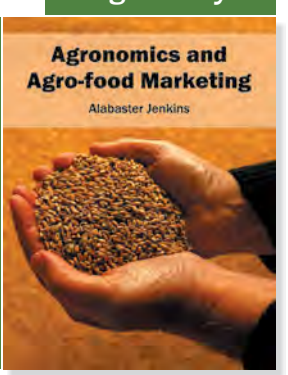


Agronomy

Agricultural Economics and Agribusiness Management

Agriculture is a primary source of occupation in many countries. Agricultural economics is a rapidly expanding field of research. It studies the methods for managing the production of food and fiber, regulating the natural resources, marketing agricultural products and managing large agribusiness corporations. This book aims to shed light on the vital aspects of this discipline such as crop yield, food policies, soil ecosystems, etc. The data included in this book has been contributed by industry experts. It will help students and researchers in better understanding this field.

Adler Bryant

ISBN 978-1-68286-339-8

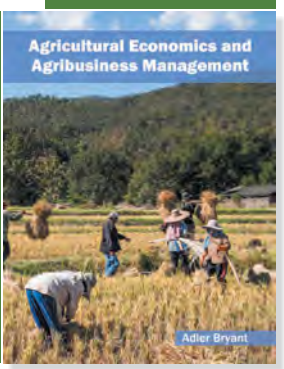
$156.99 US

Pub Year: 2016

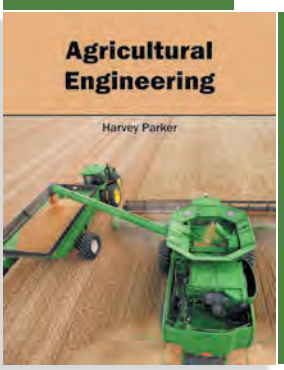
Book Size: 8.5”x11”

279pp. Colored

Hardback



Agronomy



Harvey Parker

ISBN 978-1-68286-139-4

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

218pp. Colored

Hardback

Agricultural Engineering

Agricultural engineering is an innovative branch of engineering as it brings together concepts from chemistry, engineering, physics and biology, and seeks to apply them in the field of agriculture. This book aims to equip students and experts with the advanced topics and upcoming concepts in this area. Included in this book are extensive researches on topics such as agricultural genomics, fertilizers, sustainable farming, etc. This book aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline.

Agronomy

Agricultural Extension: Farmer Education and Rural Development

The objective of agricultural extension is to provide education to farmers regarding production and distribution of crops. Extension programs are dynamic and flexible. They not only include methods to increase efficiency in agricultural production but also conservation of natural resources, developing leadership, implementing various plans for rural development, etc. This book elucidates the concepts and innovative models around prospective developments such as water use efficiency, effect of irrigation on consumptive use, etc. Researchers and students in this field will be assisted by this book.

Salvador Flores

ISBN 978-1-68286-330-5

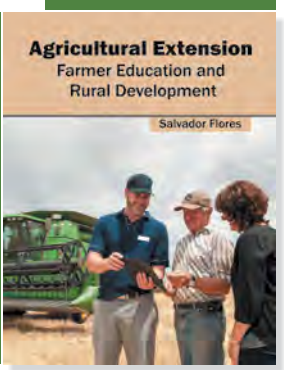
$156.99 US

Pub Year: 2016

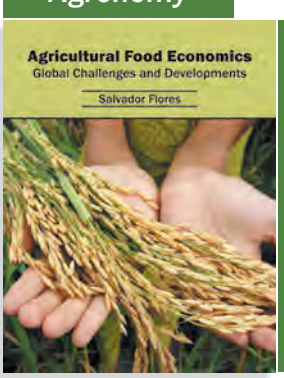
Book Size: 8.5”x11”

276pp. Colored

Hardback



Agronomy



Salvador Flores

ISBN 978-1-68286-036-6

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

201pp. Colored

Hardback

Agricultural Food Economics: Global Challenges and Developments

Agricultural food economics is an interdisciplinary field of study which aims to apply the principles and concepts of economics for analysing agricultural productivity and food supply. Agri-food market analysis, livestock management, agri-food policy and trade, agricultural supply chain management, consumer behavior, etc. are some of the diverse topics covered in this book that address the varied branches which fall under this subject. For all readers who are interested in agricultural food economics, the researches and examples included in this book will serve as an excellent guide to develop a comprehensive understanding of the current progress in this field.

Agricultural Sciences

Agronomy

Jordan Smith

ISBN
978-1-68286-143-1

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

219pp. Colored

Hardback

Agricultural Productivity Enhancement: Techniques and Technologies

The enhancement of agricultural productivity is important for the economic growth of any country. This book presents researches and studies performed by experts across the globe. Discussed herein are topics such as impact of fertilizers, postharvest crop management, irrigation techniques, etc. The text aims to equip students and professionals engaged in the field of agricultural science and similar fields of study with the advanced topics and upcoming concepts in this area. It aims to serve as a resource guide and contribute to the growth of the discipline

Agronomy

Agroforestry: Towards Creating Sustainable Land-Use Systems

Agroforestry has resulted in the profitable integration of agricultural and forestry principles. This book includes various types of new practices, in the areas of crop plantation and soil fertility. The book gathers the latest research from around the globe and highlights various techniques to facilitate sustainability and productivity. It aims to provide valuable knowledge to agriculturists, experts and interested readers.

Lester Bane

ISBN
978-1-68286-158-5

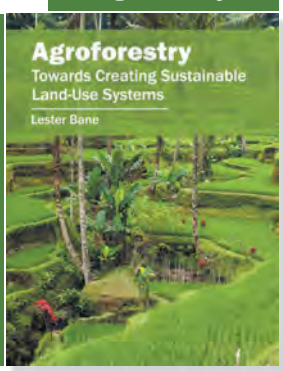
$149.99 US

Pub Year: 2016

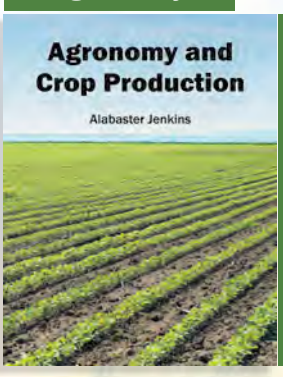
Book Size: 8.5”x11”

223pp. Colored

Hardback



Agronomy



Alabaster Jenkins

ISBN
978-1-68286-037-3

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

205pp. Colored

Hardback

Agronomy and Crop Production

Agronomy is an important field of study in the discipline of agricultural science that primarily deals with crop production and soil management for food, fuel and other useful products. The aim of this book is to provide an understanding of the multiple aspects of agronomy with the help of concepts such as sustainable agriculture, crop rotation, plant breeding and genetics, use of fertilizers, crop yield, etc. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students engaged in this field at various levels.

Agronomy

Agronomy: Food, Crops and Environment

This book provides a detailed study on some of the most significant aspects of agronomy, such as crop science, sustainable agriculture, etc. Approaches to improving plants and crop production, innovative methods for crop breeding and crop management are also covered. The book provides a deep insight about this field and helps agronomists, agriculturists and interested readers to better understand its applications. It elucidates the factors that play a crucial role in agronomy. Researches and case studies which bring forth new concepts and techniques in plant genetics, soil science, crop rotation, etc. have also been included.

Alabaster Jenkins

ISBN
978-1-68286-262-9

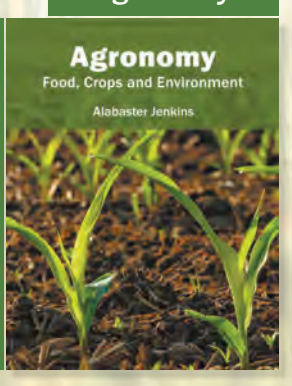
$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

268pp. Colored

Hardback



Agronomy

Biotechnology: Food and Agriculture

The applications of biotechnology in the field of food and agriculture involve the techniques for improving the yield and enhancing the quality of food products. This book traces the progress of this field and highlights some of its key concepts and practices. It focuses on some of the applications of biotechnology in agriculture such as genetically modified crops, sustainable crop production, food processing, etc. in detail. The extensive content of this book provides the readers with a thorough understanding of the subject.

Joy Adam

ISBN 978-1-68286-293-3

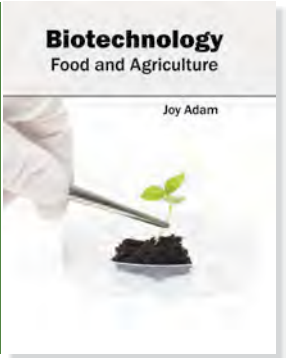
$154.99 US

Pub Year: 2016

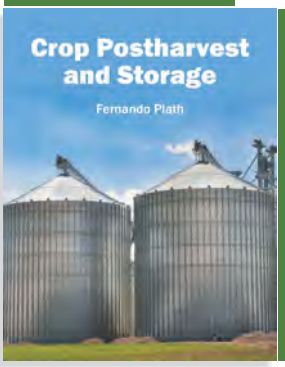
Book Size: 8.5”x11”

277pp. Colored

Hardback



Agronomy



Fernando Plath

ISBN 978-1-68286-057-1

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

210pp. Colored

Hardback

Crop Postharvest and Storage

The quality of a crop is determined not only by a healthy harvest, but also on how well it is processed after that which includes preserving, cleaning, sorting and packing of the crop. Post-harvest management plays a significant role in avoiding physical, chemical and biological damage to the crop and storing it for a long duration of time. The book explains economics of storage, post-harvest losses and techniques to maintain grain quality in storage. It covers laboratory as well as field studies to solve storage related problems and preservation of stored products. Students, researchers and industry experts will find a comprehensive insight into the latest practices, tools and techniques in crop postharvest and storage.

Crop Production and Management

Crop production is affected by varied factors such as soil, water, weather, etc. This book discusses such aspects of production, their effects and various tools and techniques to use these factors for better production. It comprises researches which bring forth diverse practices for an improved quality and increased quantity of yield. The management methods elucidated in this book will benefit students, agriculturists and anyone else associated with this field.

Agronomy

Shirley Doy

ISBN 978-1-68286-348-0

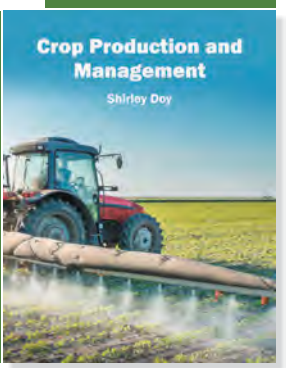
$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

281pp. Colored

Hardback



Agronomy

Carlos Hassey

ISBN 978-1-68286-368-8

$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

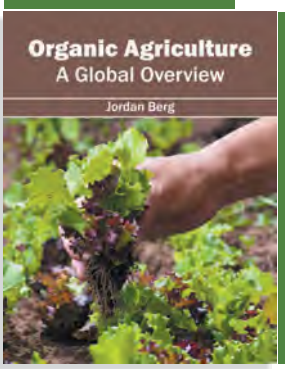
285pp. Colored

Hardback

Farm Management

Farm management is concerned with the management of farm operations. It involves both maximization of crop yield as well as financial management of farm resources. The topics included in this book such as agricultural engineering, crop harvesting, commercial management and large scale operations, erosion control systems, risk management, and management of work force, are of utmost significance and bound to provide incredible insights to readers. It picks up individual concepts and explains their need and contribution in the context of a growing economy. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area at various levels.

Agronomy



Jordan Berg

ISBN
978-1-68286-259-9

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

265pp. Colored

Hardback

Organic Agriculture: A Global Overview

Organic agriculture is slowly evolving as a popular method of agriculture. This book studies, analyses and upholds the pillars of organic farming and its utmost significance in modern times. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field of organic farming, such as crop diversity, soil management, pest control, plant pathology and breeding, etc. It includes contributions of experts which will provide innovative insights into this field. This book also contains case studies and overviews of prominent organic agricultural practices from all over the world which makes it ideal for students, scholars and organic farming practitioners alike.

Pest Control and Management

To ensure the proper growth and development of crops, pest control is absolutely essential. Pests are not only detrimental to the health of crops, but are known to potentially harm the consumers as well. This book elucidates new techniques for pest control and management. Included in this book are various topics such as pest control, pesticide science, weed biology, etc. It is an excellent resource guide for experts as well as students. This text is a vital tool for all researching and studying pest control, agriculture, or allied fields of study.

Agronomy

Edwin Tan

ISBN
978-1-68286-054-0

$144.99 US

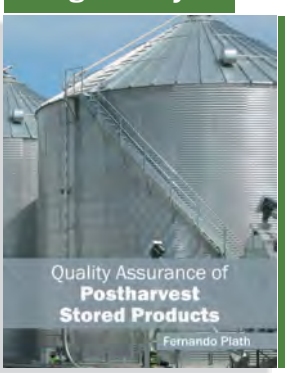
Pub Year: 2016

Book Size: 8.5”x11”

210pp. Colored

Hardback

Agronomy



Fernando Plath

ISBN
978-1-68286-033-5

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

205pp. Colored

Hardback

Quality Assurance of Postharvest Stored Products

The main objective of postharvest treatment is to determine and maintain quality of the crop and to ensure its availability for future consumption. Once harvested, crops are subjected to various processes to assure fine quality of postharvest stored products. Postharvest handling prevents crop from deteriorating by using different techniques. The book provides an overarching account of current technologies to enhance shelf life of crops and to maintain their quality during storage, packing and transportation. It includes applications of postharvest physiology and is a great pick for students and researchers engaged in this field.

Role of Agriculture in Global Economy

Since the emergence of human civilization, agriculture has played a critical role in maintaining livelihood and economy. Agricultural products play a major role in determining national economy as well as food security for nations in modern times. The topics covered in this book are aimed at providing a critical overview about the theory and practice of agriculture and its impact on global economy. It provides significant information of this discipline to help develop a good understanding of agricultural marketing, industrial and production technology and related fields. This book will serve as a reference to a broad spectrum of readers.

Agronomy

Jamie Hanks

ISBN
978-1-68286-112-7

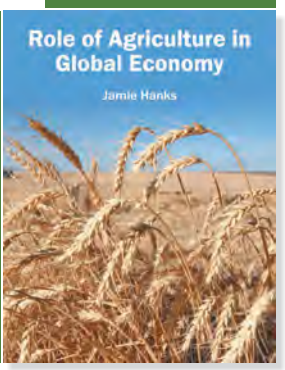
$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

212pp. Colored

Hardback



Agronomy

Stored Product Protection and Postharvest Technology

This book discusses the technologies related to stored product protection and postharvest crop handling. This field studies the preservation and safety of crops and food stocks including processing, storage related problems, etc. The chapters included herein discuss some of the important topics such as postharvest shelf life, techniques to avoid spoilage, postharvest physiology, etc. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area at various levels.

Fernando Plath

ISBN
978-1-68286-128-8

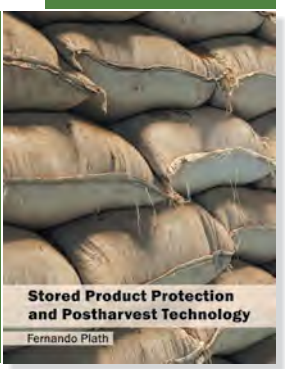
$144.99 US

Pub Year: 2016

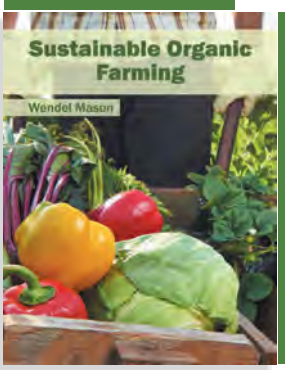
Book Size: 8.5”x11”

217pp. Colored

Hardback



Agronomy



Wendel Mason

ISBN
978-1-68286-329-9

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

277pp. Colored

Hardback

Sustainable Organic Farming

Intensive farming techniques to increase yield have considerable impact on the environment. Sustainable organic farming is an attempt to curb such harmful effects by introducing microbial fertilizers instead of synthetic chemicals and limiting the use of pesticides and plant growth regulators, which help reduce the burden caused due to intensive farming techniques. This book attempts to assist those interested in this field with the help of researches and case-studies by experts from around the globe on topics such as transgenic crops in sustainable development, genetic modification as a route for delivery of sustainable crop protection, ecosystems and environment, etc. This book will prove to be an essential guide for both academicians and those who wish to pursue this discipline further.

Soil Science

Crop Production: Economic Security and Protection

As an economic activity, crop production has a significant role to play. There can be many factors which can adversely affect the crops and in turn affect the economy. Hence, the aspect of economic security and protection of crops is crucial. Topics such as economic policies, subsidies, environmental policy and management, etc. have been covered extensively in this text. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book, which makes it highly useful for students, professionals and policy makers associated with agricultural sciences.

Shirley Doy

ISBN
978-1-68286-009-0

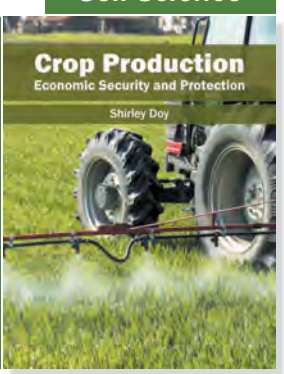
$139.99 US

Pub Year: 2016

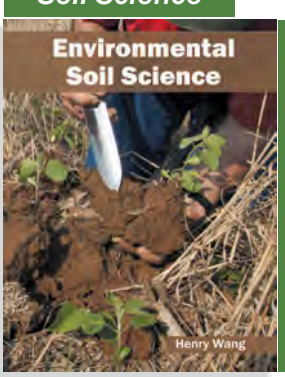
Book Size: 8.5”x11”

161pp. Colored

Hardback



Soil Science



Henry Wang

ISBN
978-1-68286-346-6

$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

268pp. Colored

Hardback

Environmental Soil Science

Environmental soil science has given new direction to the study of interactions among humans, environment and soil. The book provides a detailed account of the physical, biological and chemical properties of soils, and their subsequent interaction with different layers of environment. This book includes some of the vital pieces of work being conducted across the world, on various topics related to soil stability, soil erosion, nutrient management and land-use management. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject.

Agricultural Sciences

Soil Science

Wendel Mason

ISBN
978-1-68286-220-9

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

254pp. Colored

Hardback

Plant, Soil and Agricultural Sciences: Challenges and Concerns

Plant-soil interactions are extremely crucial for the development of agricultural systems. This book aims to shed light on some of the challenges and concerns pertaining to agricultural sciences through the recent researches in this field. It comprises experimental and conceptual case studies revolving around environmental microbiology, biodiversity, ecosystem function, plant-soil interactions, etc. This book is appropriate for all those seeking detailed information in this area. Coherent flow of topics and extensive use of examples make this book an invaluable source of knowledge for students and researchers pursuing agricultural sciences and allied disciplines.

Soil Science

Significant Concepts of Biodynamics, Biodiversity and Soil Fertility in Agriculture

Different approaches, evaluations, methodologies and advanced studies on agriculturally significant topics, such as soil classification, fertility and development; seed science, agroecology; biodynamic and organic agriculture; etc. have been included in this book. The aim of this book is to present researches that have transformed agricultural practices and aided its advancement. Scientists and students actively engaged in the field of agricultural sciences, plant science and associated disciplines will find this book full of crucial and unexplored concepts.

Jordan Berg

ISBN
978-1-68286-008-3

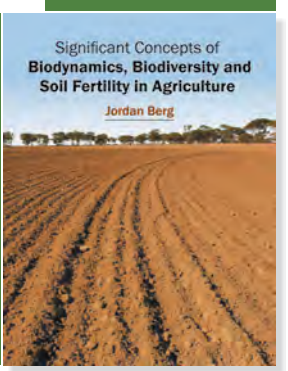
$124.99 US

Pub Year: 2016

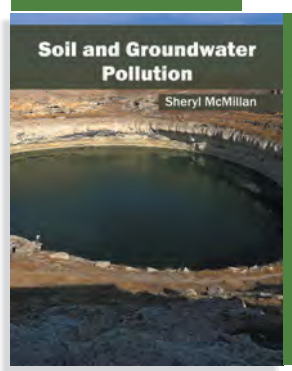
Book Size: 8.5”x11”

159pp. Colored

Hardback



Soil Science



Sheryl McMillan

ISBN
978-1-68286-050-2

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

203pp. Colored

Hardback

Soil and Groundwater Pollution

Soil and groundwater are two resources of paramount importance to all living organisms. Due to the increasing levels of pollution worldwide, soil and groundwater have also been adversely affected. This book unravels the recent studies in the field of soil and groundwater pollution. Assessment of risks from water, soil and air pollution, effective and viable remedies, waste disposal strategies, techniques and methods for protection of soil and groundwater, etc., are some of the areas that have been discussed in the text. Comprising of detailed analyses and data, this book will prove immensely beneficial to professionals and students involved in the study of environment at various levels.

Soil Science

Soil Ecology and Land-Use Management

Soil ecology and land-use management have become prominent fields of study in order to assess the damage caused to arable lands and soils because of pollution and industrialization. This book consists of chapters provided by experts from the field of soil ecology and land-use management, and includes concepts like soil science, soil nutrient management, crop yield, effects of chemical and organic fertilizers, irrigation practices, etc. It is bound to provide a detailed overview to the readers seeking comprehensive information in these fields.

Henry Wang

ISBN
978-1-68286-221-6

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

255pp. Colored

Hardback

Soil Fertility Management

Soil Science

Soil fertility management has gained a global significance for increasing agricultural productivity and ensuring food security. This book provides comprehensive insights into the field of soil fertility management and its importance in maintaining agricultural sustainability. Most of the topics introduced in this book cover new methods to evaluate soil fertility and focus on developing remediation techniques to maintain soil health. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within the fields of soil nutrients and minerals, climate adaptation measures, etc. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Lester Bane

ISBN
978-1-68286-205-6

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

247pp. Colored

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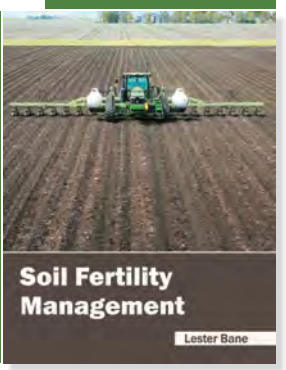


Soil Science

Brian Bechdal

ISBN
978-1-68286-150-9

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

221pp. Colored

Hardback

Soil Science

The rapidly increasing world population has raised concerns regarding preservation of soil and arable land, soil degradation and increasing per capita food consumption. Soil is an essential natural resource for survival on the earth that is constantly being damaged due to human activities. In recent decades, soil science has emerged as a specialised discipline to study soil formation, soil classification and its properties. As an interdisciplinary field, soil science interests a wide range of academicians from different disciplines like geologists, archaeologists, microbiologists and many more. This book is a comprehensive account on soil formation and classification, fertility properties and management of soils. It is an excellent reference for students, researchers and professionals engaged in agriculture or related fields.

Soil Science and Management

Soil Science

Soil is a primary component of the ecosystem of our planet. The book provides a practical understanding of soil properties and soil management techniques. It highlights the horticultural uses of soil as well as the green methodologies in both agricultural and horticultural practices. The text elucidates various methods being practiced across the globe for soil management. It provides a detailed study on soil taxonomy, soil conservation and watershed management. It aims to serve as a valuable reference for horticulturists, botanists and interested readers.

Brian Bechdal

ISBN
978-1-68286-336-7

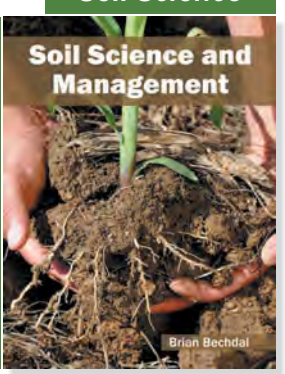
$156.99 US

Pub Year: 2016

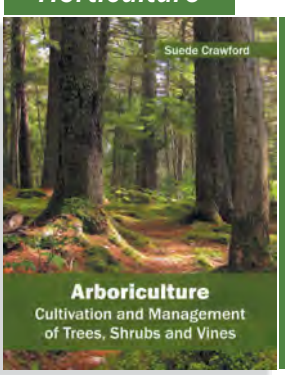
Book Size: 8.5”x11”

274pp. Colored

Hardback



Horticulture



Suede Crawford

ISBN
978-1-68286-289-6

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

276pp. Colored

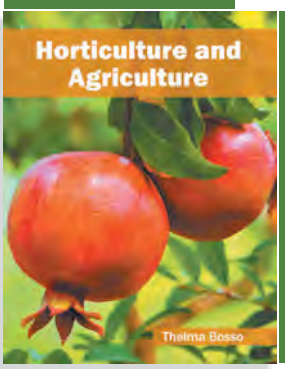
Hardback

Arboriculture: Cultivation and Management of Trees, Shrubs and Vines

Arboriculture is a significant discipline in the current scenario. Cultivation and management of trees and shrubs is an essential part of planning of urban areas. This book on arboriculture extensively delves into concepts like selection and planting of plants, pest and pathogen control, etc. and provides a thorough understanding of the field to the readers. Different approaches, evaluations, methodologies and advanced studies on arboriculture have been included in this book. It is a vital tool for all researching or studying arboriculture or associated disciplines.

Agricultural Sciences

Horticulture



Thelma Bosso

ISBN
978-1-68286-231-5

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

262pp. Colored

Hardback

Horticulture and Agriculture

Horticulture is a sub-field of agriculture and deals with all the aspects of cultivating a vegetable garden. In the present scenario, horticulture has immense relevance as it plays a significant role in increasing yield and building pest resistance. This book provides scientific and technical insights into various concepts of horticulture, like plant conservation, landscape restoration, landscape and garden design, etc. It will be an essential companion to the students of botany, agricultural sciences, horticulture, and associated fields of study. The text contains detailed explanations of new techniques and their applications in a multidisciplinary approach and will cater to the needs of research scholars as well.

Horticulture Research: Theory and Practice

Horticulture is an evolving field of agriculture that has seen tremendous shift in the last few decades. This book attempts to understand significant concepts in this field with the help of topics such as effects of external factors on plant growth, plant physiology, vegetable and fruit yield, etc. It includes advanced researches and explanatory case studies by internationally acclaimed experts which would help to provide a comprehensive insight to the readers.

Horticulture

Thelma Bosso

ISBN
978-1-68286-160-8

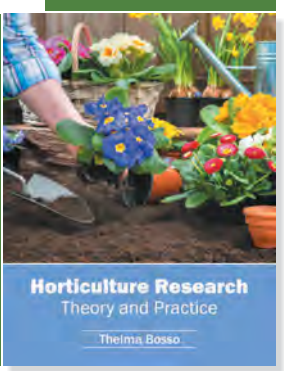
$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

224pp. Colored

Hardback



Horticulture

Suede Crawford

ISBN
978-1-68286-325-1

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

277pp. Colored

Hardback

Permaculture

The focus of permaculture lies within the strategy of utilizing the features of natural ecosystems. As a way of life, it endorses a harmonic coexistence with nature. This book outlines the processes and applications of permaculture in detail. The topics included in the text, such as ecological design principles, natural building, agroforestry, etc., are of utmost significance and are bound to provide incredible insights to readers. Those in search of information to further their knowledge in this field will be greatly assisted by this book. It will also prove to be immensely useful for researchers and students engaged in the study of permaculture.

Advanced Research in Plant Science

Plant science is a significant branch of biological sciences and the study of this discipline has aided many advances in a multitude of disciplines, ranging from genetic engineering to environmental science. The topics covered in this extensive book deal with the core subjects of plant science. It presents the complex subject of botany in the most comprehensible and easy to understand language. The topics covered in this book deal with the primary areas of botany and include plant structure, growth, reproduction, biochemistry, genetics, taxonomy, etc. This book will offer the readers new insights and will prove to be a vital tool for everyone who is researching and studying this field.

Botany and Plant Science

Molly Ismay

ISBN
978-1-68286-068-7

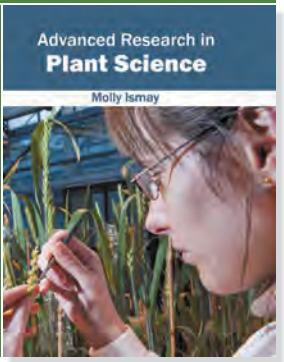
$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

210pp. Colored

Hardback



Advanced Researches in Plant Pathology

Botany and Plant Science

Plant pathology is an interdisciplinary subject area which incorporates theories and applications of botany, microbiology, genetics and ecology to study diseases of plants caused by pathogens and environmental factors. This book includes some of the vital pieces of work being conducted across the world, on various topics related to plant pathology. This book brings forth some of the most significant concepts and elucidates the unexplored molecular, physiological and ecological aspects of plant pathology. It covers disease epidemiology, clinical analysis of diseases, evaluation of pathogens and crop loss assessment. This book is a complete source of knowledge on the present status of this important field.

Chris Frost

ISBN
978-1-68286-109-7

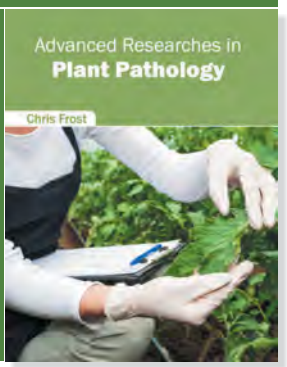
$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

212pp. Colored

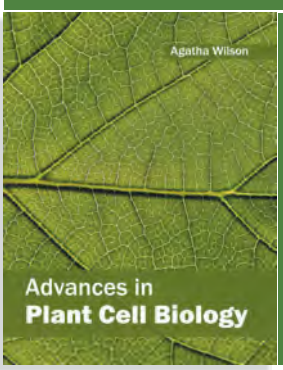
Hardback



Advances in Plant Cell Biology

Botany and Plant Science

The study of plant cell biology has enhanced our understanding of the functioning of plants. Diverse applications of this subject, such as in tissue culture, immunology, etc. have been possible today owing to the advances in the study of this discipline. For the students of botany, the understanding of plant cell biology is crucial. This book discusses the essential concepts as well as modern approaches for the study of this field. It also strives to provide in-depth knowledge about the structure and functioning of various types of plant cells. This book will also provide ample amounts of innovative topics for research, which academicians and interested readers can take up and contribute to the field of botany.



Agatha Wilson

ISBN
978-1-68286-357-2

$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

283pp. Colored

Hardback

Botany: Science and Technology

Botany and Plant Science

The discipline of botany enables us to understand the evolution of plants, their utility to humans and animals. It also encompasses techniques for comprehending life processes of plants. This book on botany is well equipped to educate the reader on various topics like plant breeding, genetics, diversity and development of new methodologies for the cultivation and engineering of plants. It also contains multiple topics which can be taken up for research by enthusiastic readers. The students of biology and botany will find in this book a perfect guide to their respective fields of study.

Molly Ismay

ISBN
978-1-68286-366-4

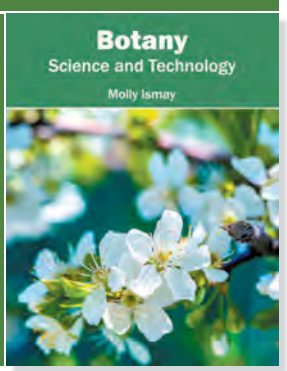
$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

288pp. Colored

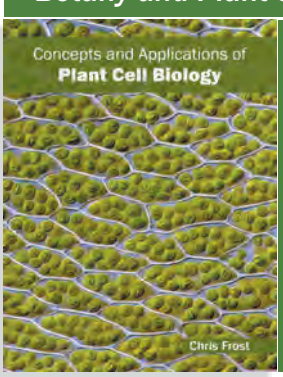
Hardback



Concepts and Applications of Plant Cell Biology

Botany and Plant Science

Owing to scientific advancements over the past few decades, the study of plant biology has progressed considerably and its concepts have found applications in many allied disciplines. This book unravels the recent studies in the field of plant cell biology. Concepts such as cell anatomy, types of plant cells, organelles and functions, physiological processes like photosynthesis, transpiration, etc. have been discussed in detail. It presents the case studies of internationally renowned scientists and academicians. This book will serve as a reference to a broad spectrum of readers and will help them in keeping pace with the rapid changes in this field.



Chris Frost

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Pub Year: 2016

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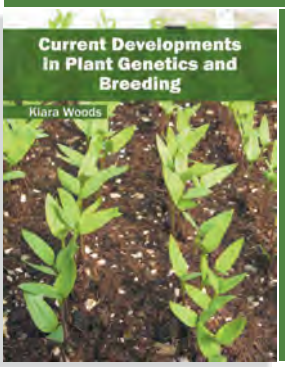
267pp. Colored

Hardback

Botany and Plant Science



Kiara Woods

ISBN
978-1-68286-260-5

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

266pp. Colored

Hardback

Current Developments in Plant Genetics and Breeding

Plant genetics and breeding has been widely practiced to develop innovative breeding methodologies and discover important genes and varieties. The text focuses upon theoretical and conceptual practices that bridge the gap between fundamental researches and their implementation in plant breeding. This book discusses the variations in plant DNAs and how such aspects can be utilized for breeding a superior quality of plants and crops. It also delves into phytopathology and disease management in plants. It brings forth revolutionary researches in the discipline from across the globe. It will be helpful to researches, experts and interested readers in this field.

Functional Plant Ecology

Plant ecology aims to study the distribution of various plant species across the globe, along with the several factors that affect plant biology and biodiversity. This book provides a comprehensive understanding of the field with the help of topics such as distribution of plants, conservation of endangered species, biological interactions, etc. The researches and case-studies included in this book are provided by eminent experts from around the world. It is an essential guide for students, academicians and those who wish to pursue this discipline further.

Botany and Plant Science

Clive Koelling

ISBN
978-1-68286-108-0

$144.99 US

Pub Year: 2016

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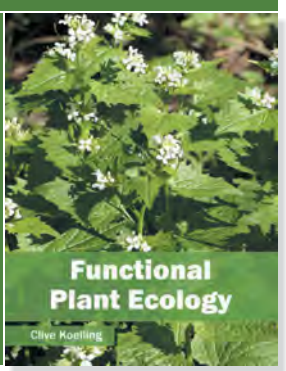
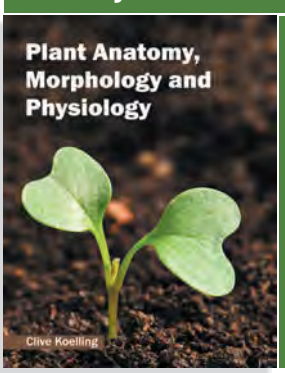
214pp. Colored

Hardback



Botany and Plant Science



Clive Koelling

ISBN
978-1-68286-326-8

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

273pp. Colored

Hardback

Plant Anatomy, Morphology and Physiology

Mankind has been dependent on plants since the early ages. The multiple uses of plants such as in medicine, etc. have raised their economic value as well. This book brings forth some of the most innovative concepts and elucidates the unexplored aspects of botany by exploring a diverse array of topics. Plant cytology and anatomy, taxonomy, plant diversity, ethnobotany, phytopathology, paleobotany, etc., are some of the concepts that have been thoroughly discussed. The aim of this book is to present researches that have transformed this discipline and aided its advancement. It is a ripe text for students and researchers of botany, agriculture, biology, etc.

Plant and Crop Physiology

Plant physiology is an independent discipline dedicated to understanding the functioning of plants. This book aims to bring forth the advanced topics in this field through a compilation of researches and case studies. It explains the prevalent theories and also elucidates the recently discovered plant processes. This interdisciplinary text highlights the significance of crop physiology and its contribution to other field such as plant morphology, phytochemistry, genetics, etc. The book discusses in detail, the techniques for postharvest physiology of crops along with methods for better crop production, such as hydroponic methods. This book will serve as a resource guide for crop physiologists, botanists, horticulturists, researchers, scholars and students.

Botany and Plant Science

Jordan Smith

ISBN
978-1-68286-344-2

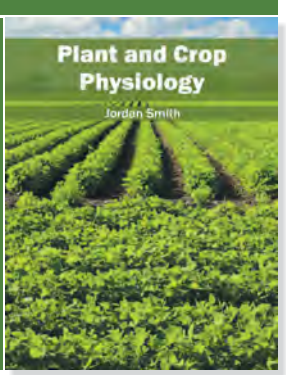
$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

279pp. Colored

Hardback

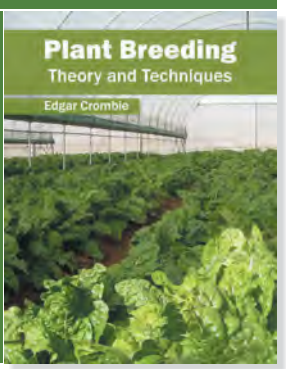


Plant Breeding: Theory and Techniques

Botany and Plant Science

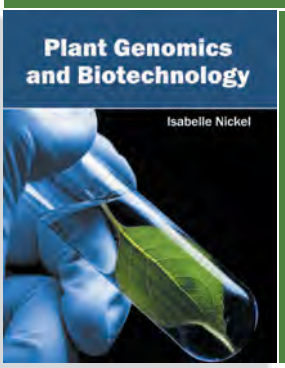
Plant breeding has revolutionized agriculture through genetic modifications in plants to get desirable characteristics or species. It emphasizes on development of high-productivity crops either through simple propagation or by making changes at genetic level. This book is compiled in such a manner, that it will provide in-depth knowledge about the theory and practice of crop improvement, pollen behavior and food security. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail. As this field is emerging at a rapid pace, the contents of this book will help the readers understand and analyze the modern concepts and applications of the subject.

Edgar Crombie
ISBN 978-1-68286-055-7
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
209pp. Colored
Hardback



Plant Genomics and Biotechnology

Botany and Plant Science



Isabelle Nickel
ISBN 978-1-68286-327-5
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
279pp. Colored
Hardback

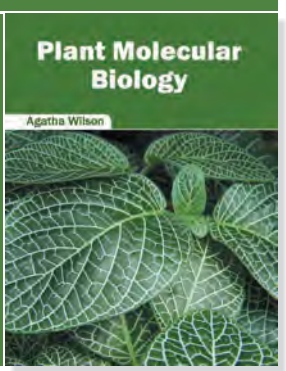
There has been a revolution in the field of agriculture in the last few decades which has evolved the field of plant genomics and related techniques and processes of biotechnology as well. This book comprises advanced research in this field. Most of the topics introduced in this book cover new concepts, techniques and the applications of plant genomics such as DNA recombination, genetically modified crops, genetic sequencing and mapping, genomic structures, etc. The various sub-fields of plant genomics along with technological progress that have future implications are glanced at in this book. The book is appropriate for students seeking detailed information in this area as well as for experts.

Plant Molecular Biology

Botany and Plant Science

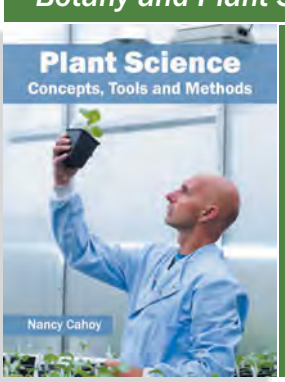
Researches and studies of plants at molecular levels of structure and functioning have facilitated the development of significant techniques for plant breeding, crop protection, etc. It has also influenced the discipline of biotechnology to a great extent. Replete with significant details and examples, this book covers the structure, function, mechanisms and regulatory processes which occur within plants at molecular levels. Also included in this book are detailed explanations of the various concepts and applications of plant genomics which would enhance the knowledge of the readers. This book strives to aid the students and researchers of botany and associated fields of biology.

Agatha Wilson
ISBN 978-1-68286-353-4
$156.99 US
Pub Year: 2016
Book Size: 8.5”x11”
285pp. Colored
Hardback



Plant Science: Concepts, Tools and Methods

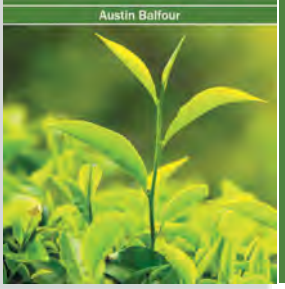
Botany and Plant Science



Nancy Cahoy
ISBN 978-1-68286-202-5
$149.99 US
Pub Year: 2016
Book Size: 8.5”x11”
238pp. Colored
Hardback

Plant science has progressed significantly in the last few decades. A multitude of researches have been conducted across diverse branches of plant sciences like genetics, evolution, etc. This book is well equipped to familiarize the reader with various significant topics like plant cell biology, genomics, functional plant breeding, interaction of plants with their environments, etc. Replete with details to enhance the knowledge of readers about the traditional and modern tools available in the field, the students of biology and botany in particular will find this book a suitable guide for their respective fields of study.

Botany and Plant Science



Austin Balfour

ISBN
978-1-68286-270-4

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

269pp. Colored

Hardback

Plant Taxonomy

The study of botany and associated branches of biology, involves an advanced knowledge of plant taxonomy. The classification of plants into various categories aids not only the botanists, but also conservationists, agriculture scientists, genetic engineers, etc. This book is specifically designed to familiarize the reader with the key techniques of plant identification, classification and description, and concepts like alpha taxonomy, beta taxonomy, etc. While understanding the long-term perspectives of the topics covered within the book, it also makes an effort in highlighting their impacts as modern tools for the progress of botany as a science.

Recent Progress in Plant Biochemistry and Molecular Biology

Plant biochemistry and molecular biology are significant sub-disciplines of botany. They are closely linked and help in understanding plant mechanisms. This book aims to delve into the advanced topics in these fields such as plant genetics, plant biotechnology, plant diversity, conservation biology, interactions between plants and other organisms, etc. This book brings together case studies from different parts of the world to keep the readers updated with the latest concepts in these fields. This book will prove beneficial to students and professionals alike.

Botany and Plant Science

Harvey Parker

ISBN
978-1-68286-287-2

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

272pp. Colored

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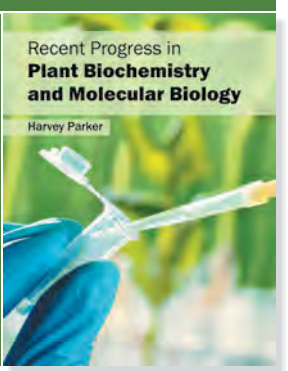
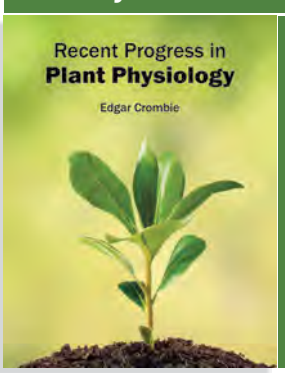


Botany and Plant Science



Edgar Crombie

ISBN
978-1-68286-184-4

$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

224pp. Colored

Hardback

Recent Progress in Plant Physiology

Plant physiology is a discipline which studies the internal processes of plants and the factors influencing those processes. The study of this discipline has enabled mankind to develop new techniques and methods particularly useful for agriculture and horticulture. Mechanisms like photosynthesis, which take place at molecular levels to development of plants that occur at macro levels, many physiological mechanisms have been discussed in detail. The aim of this book is to provide apt references to graduate and post graduate students of biology and botany about various life processes like transpiration, germination, etc. This book traces the recent progresses in this field and will also be beneficial for research scholars.

Textbook of Botany

Botany is a vast field of study that focuses on understanding structural, chemical and biological processes in plants. The book focuses upon some of the significant aspects of botany such as plant taxonomy, plant metabolism and physiology, plant morphology, biochemistry, molecular genetics, etc. It strives to provide a comprehensive overview about this discipline and to help develop a better understanding of the latest advances within this field. This book is a vital tool for all researching and studying botany.

Botany and Plant Science

Isabelle Nickel

ISBN
978-1-68286-354-1

$156.99 US

Pub Year: 2016

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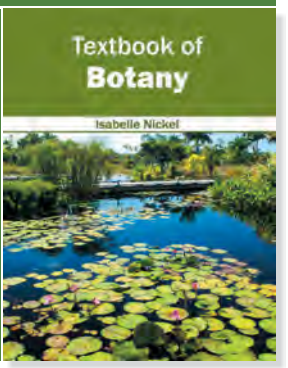

Botany and Plant Science

Textbook of Plant Biology

The discipline of plant biology has progressed over time, and various studies have contributed to the better understanding of techniques of growing plants. The understanding of this subject is essential, especially for the students of botany and associated branches of biology. This book strives to provide the readers with a sound knowledge about plants at molecular, cellular, tissue, and organism levels. Aptly suited for students and research scholars alike, this book will succeed in giving a useful insight into the anatomy and physiology of plants.

Davis Twomey

ISBN 978-1-68286-189-9

$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

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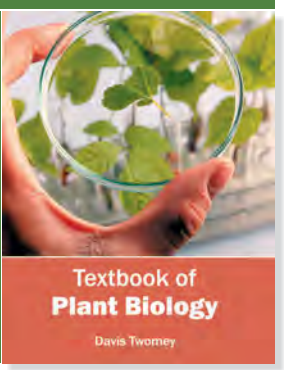
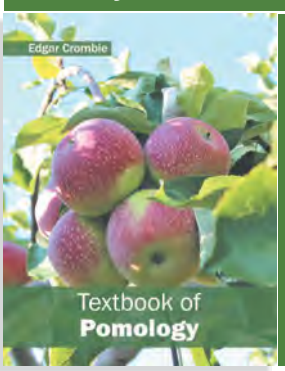


Botany and Plant Science



Edgar Crombie

ISBN 978-1-68286-136-3

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

217pp. Colored

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Textbook of Pomology

Pomology is an interdisciplinary field that incorporates concepts from botany and agricultural science, and focuses upon cultivation of fruit trees and fruits. The book includes development, cultivation and physiological studies of fruit trees. It focuses upon planting systems and fruit production, processing of fruits, etc. The purpose of this book is to provide a comprehensive overview of present status of tree-fruit cultivation and measures to enhance the quality of fruits. It emphasises on the significance of pomology in understanding and improving tree-fruit productivity.

Botany and Plant Science

Tools, Techniques and Concepts of Plant Genetics

Plant genetics is a prominent field which focuses on heredity, inheritance and variations in plants. From theories to research to practical applications, case studies related to all contemporary topics of relevance in plant genetics have been included in this book. It provides significant information of this discipline by focusing on genetic engineering, GM crops, development of fast and reliable ozone screening method, cultivars and related fields. The chapters included herein primarily emphasize on application of biotechnology in crop plants. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge for students, researchers and academicians.

Kiara Woods

ISBN 978-1-68286-169-1

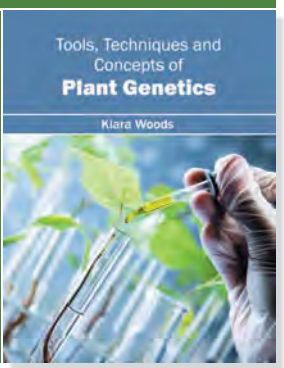
$149.99 US

Pub Year: 2016

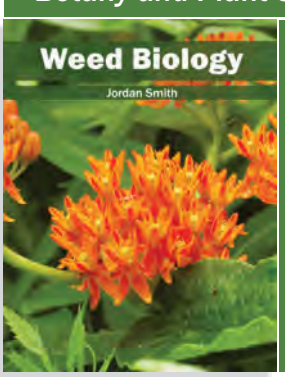
Book Size: 8.5”x11”

224pp. Colored

Hardback



Botany and Plant Science



Jordan Smith

ISBN 978-1-68286-138-7

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

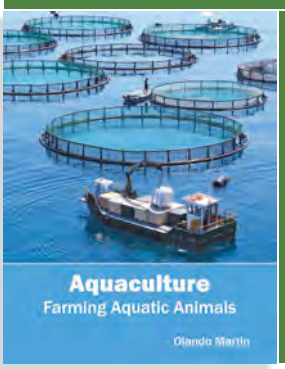
217pp. Colored

Hardback

Weed Biology

Weeds play a significant role in determining agricultural diversity. Weed biology as a specialised discipline aims to study the physiology, reproduction and life-cycle of weeds. This book provides a comprehensive overview of important topics of weed biology like weed taxonomy, weed management and control techniques, use of weeds, etc. Researches and case-studies by eminent experts and scientists are included in the book to highlight the present developments and responses to weed management. Students, researchers, agricultural scientists will find this book full of innovative insights and valuable knowledge.

Fisheries and Aquaculture



Olando Martin

ISBN
978-1-68286-340-4

$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

279pp. Colored

Hardback

Aquaculture: Farming Aquatic Animals

Aquaculture focuses on harvesting of aquatic organisms and is a widely practiced economic activity. The various advancements in the techniques of aquaculture are glanced at and their applications as well as ramifications on aquafarming are looked at in detail within this book. Topics such as algaculture, mariculture, methods of aquaculture, etc. are covered in detail. The chapters included in the text will serve as a reference to a broad spectrum of readers. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Fisheries and Aquaculture

Fisheries and Aquaculture

Aquaculture and fisheries have a great significance in global economy. This book aims to understand the different methods to cultivate aquatic organisms for commercial purposes. It details the tools and techniques that are already being practiced worldwide. It also presents some case studies which shed light on the present scenario in fisheries and aquaculture. It also sets base for new research and suggests some innovative methods that can be put to practice. It discusses some crucial aspects of aquatic farming such as feeding, sustainability, quality of seawater, protection from predators, etc. The contributors of this book hail from the top universities of the world. They have contributed their research and their pool of knowledge to help students and professionals in the field of fisheries and aquaculture.

Roger Creed

ISBN
978-1-68286-031-1

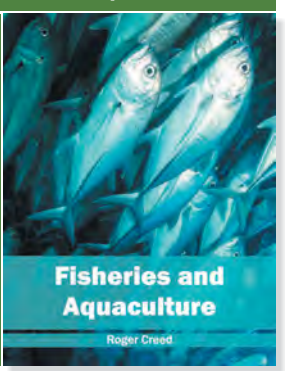
$144.99 US

Pub Year: 2016

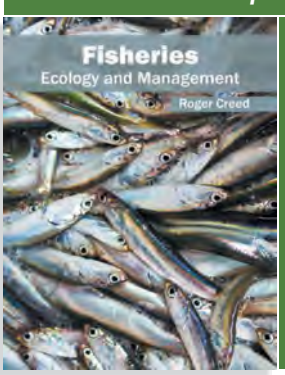
Book Size: 8.5”x11”

205pp. Colored

Hardback



Fisheries and Aquaculture



Roger Creed

ISBN
978-1-68286-308-4

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

277pp. Colored

Hardback

Fisheries: Ecology and Management

Fisheries, as a scientific discipline incorporates concepts from aquaculture, ecology, etc. The main objective of the book is to analyze the utilization of aquatic resources for cultivation of fishes and related products, and the importance of fisheries in maintaining ecological equilibrium. Some of the diverse topics covered in this book are aquaculture, mariculture, risk avoidance behavior, etc. It includes chapters on role of fisheries in maintaining ecosystem health, acoustics, etc. The extensive content of this book provides the readers with a thorough understanding of the subject. Students, researchers, experts and professionals will benefit alike from this book.

Livestock Management and Dairy Farming

Agricultural Animal Physiology and Morphology

Agricultural animal physiology focuses on the study of economically significant animals such as cows, camels, chickens, etc. The topics included in this book on animal physiology are of utmost significance and are bound to provide incredible insights to readers. Reproductive performance, immunology, morphology, growth, genetics, etc. are some of the topics that have been covered in this book. It includes contributions of experts and scientists which will provide advanced knowledge into this field. This text is meant for all those who are looking for an elaborate reference on agricultural animal physiology.

Mia Steers

ISBN
978-1-68286-162-2

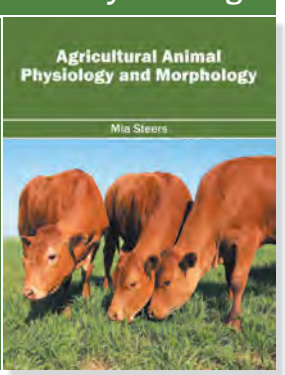
$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

224pp. Colored

Hardback



Livestock Management and Dairy Farming

Dairy Farming and Livestock Production

Dairy farming is one of the core areas of agriculture. It is an essential economic activity and a source of livelihood for many. This book discusses in detail various aspects of dairy farming as well as livestock production through lucid elaborations on topics like methods to enhance milk production, herd management, animal welfare, etc. The extensive content of this text provides the readers with a thorough understanding of the subject. It is ideal for students who are looking for an elaborate reference text on dairy farming and livestock production. This book will also be beneficial for the researchers and academicians pursuing dairy sciences and related fields of study.

Christian Snider

ISBN 978-1-68286-146-2

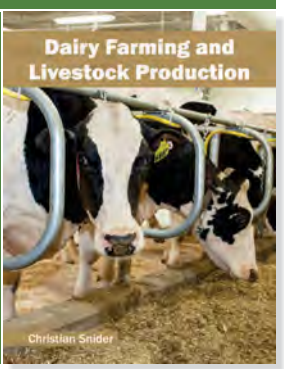
$144.99 US

Pub Year: 2016

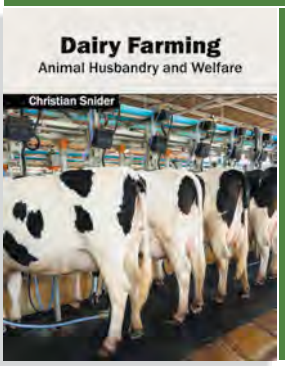
Book Size: 8.5”x11”

220pp. Colored

Hardback



Livestock Management and Dairy Farming



Christian Snider

ISBN 978-1-68286-041-0

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

205pp. Colored

Hardback

Dairy Farming: Animal Husbandry and Welfare

Dairy farming, as a sub-discipline of agriculture has gained global significance. It has become one of the important economic activities in many countries around the world. This book on dairy farming and management discusses in detail various practices and modern techniques such as animal physiology, feed management, animal morphology, etc. This book provides significant information of this discipline to help develop a good understanding of dairy farming and animal welfare. Comprising state-of-the-art inputs by acclaimed experts of this field, this book targets students and professionals. This book aims to serve as a resource guide and contribute to the growth of the discipline.

Livestock Management and Dairy Farming

Principles, Concepts and Technology of Farm Management

Farm management encompasses the care and management of all agricultural resources including crops, livestock, etc. This book on farm management will prove to be an efficient guide for the students of agricultural sciences as well as agriculture practitioners. Selected concepts like resources for farm production, farming systems, farming structures, strategic planning, etc. have been presented in this book. It comprises researches from across the globe which will bring forth some unexplored aspects of farm management and contribute towards the growth of this field.

Carlos Hassey

ISBN 978-1-68286-209-4

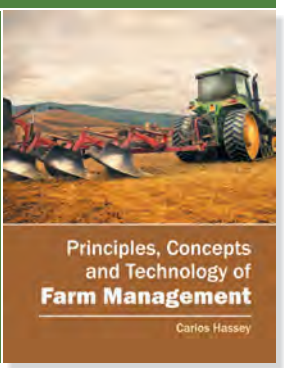
$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

249pp. Colored

Hardback



Food Science

Jamie Hanks

ISBN 978-1-68286-047-2

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

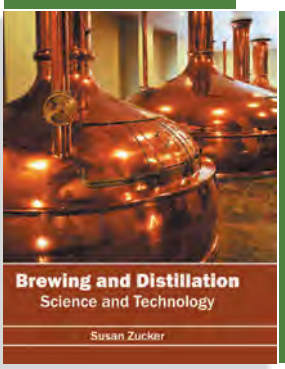
202pp. Colored

Hardback

Agri-Food Management

Effective management strategies are highly important for agricultural produce to reach consumers via proper channels. This book studies, analyses and upholds the pillars of agri-food management and its utmost significance in modern times. It evaluates the current practices of agri-food firm management and marketing, organization of agri-food chains, agri-food policy, etc. It is an excellent resource guide for experts and students who are actively engaged in food technology, agri-business management and allied fields. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts of the subject.

Food Science



Susan Zucker
ISBN
978-1-68286-018-2
$139.99 US
Pub Year: 2016
Book Size: 8.5”x11”
187pp. Colored
Hardback

Brewing and Distillation: Science and Technology

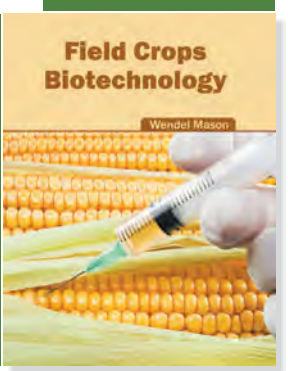
Distillation of an alcoholic fermented mixture results in formation of a distinct class of beverages and drinks. It includes various liquors like beer, whisky as well as other drinks. This book provides comprehensive insights into the field of brewing and distillation. It elucidates the concepts and innovative models around prospective developments with respect to the fermenting and filtering technologies. The aim of this book is to present researches that have transformed the field of brewing and aided its advancement. It encompasses various techniques, product analysis, filtration and packaging technology, currently used in brewing industry. The extensive content of this book provides the readers with a thorough understanding of the subject.

Food Science

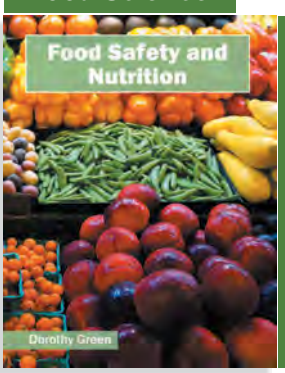
Field Crops: Biotechnology

The text provides a detailed study on principles, methods and practices in plant breeding. It also discusses the applications of biotechnology for crop improvement and seed production of field crops. The book brings forth some innovative concepts and the latest tools and techniques being employed for crop production. It covers researches which shed light on the genetic, physiological and medicinal aspects of field crops. It aims to serve as a valuable reference to biotechnologists, agriculturists and interested readers. The book also aims to outline future researches and challenges in this field.

Wendel Mason
ISBN
978-1-68286-307-7
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
277pp. Colored
Hardback



Food Science



Dorothy Green
ISBN
978-1-68286-254-4
$152.99 US
Pub Year: 2016
Book Size: 8.5”x11”
268pp. Colored
Hardback

Food Safety and Nutrition

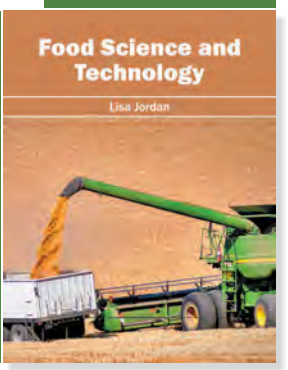
Consumption of unsafe and low quality nutritional food products is a major threat to public health and welfare. It is thus crucial to understand the value of food safety practices and impact of dietary habits and food borne diseases on global population. This book addresses major food safety and nutrition problems, provides various strategies and methods to maintain optimal nutrition and notable levels of food safety. It covers various approaches in food safety, nutrition, dietetics and management. It collates knowledge on emerging aspects, practices and applications of food science. Students and researchers will find this text beneficial to develop various food safety measures and technologies.

Food Science

Food Science and Technology

Food science and technology is an applied branch of science dealing with food processing, production and consumption processes and techniques. It is an interdisciplinary field that aims to understand the nutritional value of food and involves research and development for technological advancements in mass production of food products. The book emphasizes on various techniques to enhance product quality and improve efficiency of processed food products. It provides a detailed account of emerging technologies in food processing and preservation, food engineering and biotechnology applications, etc. This book is helpful for students, researchers and academicians interested in food science.

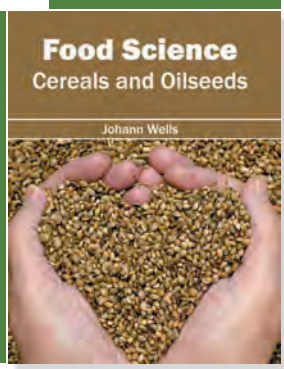
Lisa Jordan
ISBN
978-1-68286-255-1
$152.99 US
Pub Year: 2016
Book Size: 8.5”x11”
267pp. Colored
Hardback



Food Science

Food Science: Cereals and Oilseeds

Food science is an interdisciplinary field of study. It has undergone rapid changes in the past decade. This book on food science elucidates in particular the tools and techniques involved in cereals and oilseeds harvesting. It brings forth some of the most innovative researches on topics such as effect of extraction conditions on the yield and quality of oil, in vitro and in vivo responses of different treating agents, etc. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.



Johann Wells

ISBN
978-1-68286-309-1

$154.99 US

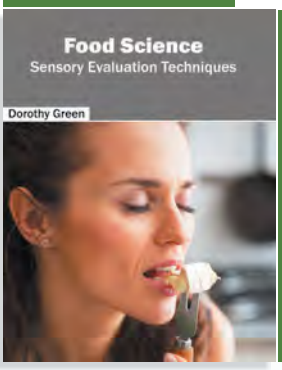
Pub Year: 2016

Book Size: 8.5”x11”

275pp. Colored

Hardback

Food Science



Dorothy Green

ISBN
978-1-68286-310-7

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

277pp. Colored

Hardback

Food Science: Sensory Evaluation Techniques

Sensory evaluation plays a significant role in the food industry. Human senses affect decision making process of end consumers. Thus, it is important to understand them. This book presents the essential concepts in the field of sensory analysis and provides some incredible insights into consumer behavior and response. It discusses in detail the effective testing and affective testing methods for sensory evaluation. It also elucidates the concept of perception. This book will prove extremely beneficial to students, researchers and professionals engaged in this field.

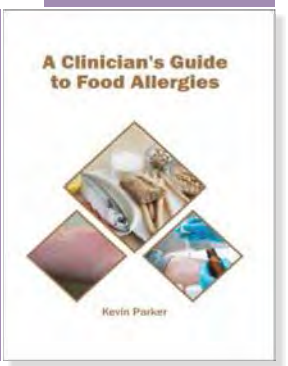
A Clinician's Guide to Food Allergies

Food Science

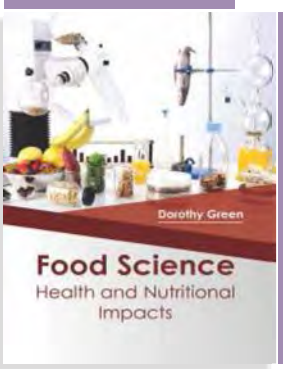
This book provides comprehensive insights into the field of food allergies. It discusses in detail about the various food allergies and their symptoms and treatment. Food allergies are caused by the abnormal immune response to food. The symptoms include vomiting, hives, itchiness, diarrhea, tongue swelling, etc. The most common allergies are caused by fish, eggs, peanuts, soya, wheat, nuts, milk, etc. The topics included in this book on food allergies are of utmost significance and bound to provide incredible insights to readers. It includes some of the vital pieces of work conducted across the world, on various topics related to food allergies in order to help develop a comprehensive understanding of the discipline. Scientists and students actively engaged in this field will find this text full of crucial and unexplored concepts. It will serve as a valuable source of reference for professionals and students alike.

Kevin Parker

ISBN 978-1-68286-451-7
$150.99 US
Pub Year: 2017
Book Size: 7.75"x10.5"
241pp. Colored
Hardback



Food Science



Dorothy Green

ISBN 978-1-68286-459-3
$154.99 US
Pub Year: 2017
Book Size: 8.5"x11"
257pp. Colored
Hardback

Food Science: Health and Nutritional Impacts

This book is a compilation of various topics relating to food sciences and its impact on health and nutrition. It aims to provide its reader a wide variety of topics relating to the field and its sub disciplines like food chemistry and food chemical chemistry to name a few. A number of latest researches have been included to keep the readers up-to-date with the global concepts in this area of study. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge. It attempts to assist those with a goal of delving into the field of food science.

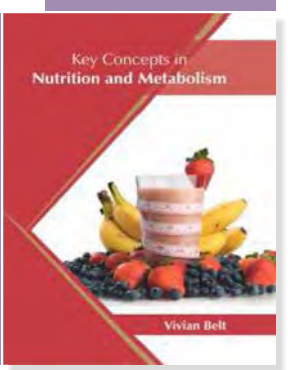
Key Concepts in Nutrition and Metabolism

Nutrition

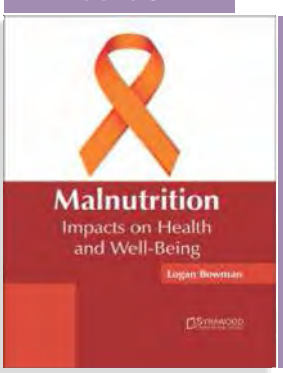
Metabolism is the process whereby food is converted into energy by living organisms. This book on nutrition and metabolism deals with topics related to physical activity and metabolism as well as the chemical reactions that occur during the metabolic process. Metabolic activity changes according to the requirement of energy by cells. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field of nutrition and metabolism. For all readers who are interested in these fields, the research included in this book will serve as excellent guide to develop a comprehensive understanding. It will serve as a reference to a broad spectrum of readers.

Vivian Belt

ISBN 978-1-68286-495-1
$152.99 US
Pub Year: 2017
Book Size: 7"x10"
247pp. Colored
Hardback



Nutrition



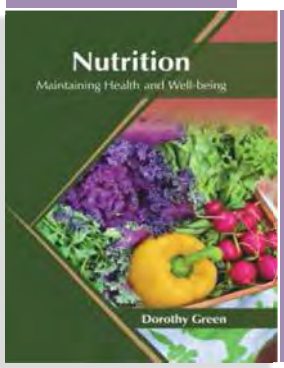
Logan Bowman

ISBN 978-1-68286-433-3
$155.99 US
Pub Year: 2017
Book Size: 8.5"x11"
262pp. Colored
Hardback

Malnutrition: Impacts on Health and Well-Being

Malnutrition is a vast field of study. It analyzes in detail the impact of diet on human body and effect of no or low nutrients in the diet. This book provides significant information of this discipline to help develop a comprehensive understanding of the subject. It includes some of the vital pieces of work being conducted across the world, on various topics related to malnutrition. Different approaches, evaluations, methodologies and advanced studies on malnutrition have been included in this book. It is a complete source of knowledge on the present status of this important field. This text is an essential guide for both academicians and those who wish to pursue this discipline further.

Nutrition



Dorothy Green

ISBN
978-1-68286-496-8

$139.99 US

Pub Year: 2017

Book Size: 7”x10”

212pp. Colored

Hardback

Nutrition: Maintaining Health and Well-being

Nutrition is the science of nutrition interaction and breakdown in relation to the growth, maintenance and health of a living organism. This book on nutrition discusses the scientific understanding and implementation of the field. Dietary management practices provide options for nutrition attainment and well-being through a selection of food. This book attempts to understand the multiple branches that fall under the discipline of nutrition and how such concepts have practical applications. It aims to shed light on some of the unexplored areas and recent researches in this area of study. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area at various levels. With state-of-the-art inputs by acclaimed experts of this field, this book targets students and professionals.

Nutritional Deficiencies: Causes, Effects and Management

Nutritional deficiency can be defined as the consumption of a diet consisting of nutrients less than the required amount. This book on nutritional deficiencies covers a wide range of topics including malnutrition aid and ideal supplements and nutritional substitutes. The topics included in this book on nutritional deficiencies are of utmost significance and bound to provide insights to readers. It unfolds the innovative aspects revolving around the causes of nutritional deficiencies along with their effects and management techniques which will be crucial for the progress of this discipline. Students and academicians in the field of nutrition and diet will find this book to be extremely useful.

Nutrition

Lisa Jordan

ISBN
978-1-68286-434-0

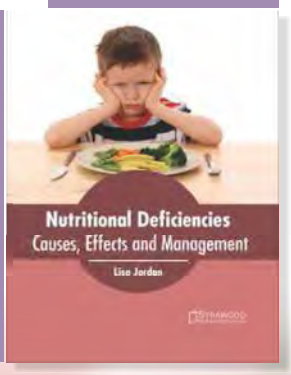
$150.99 US

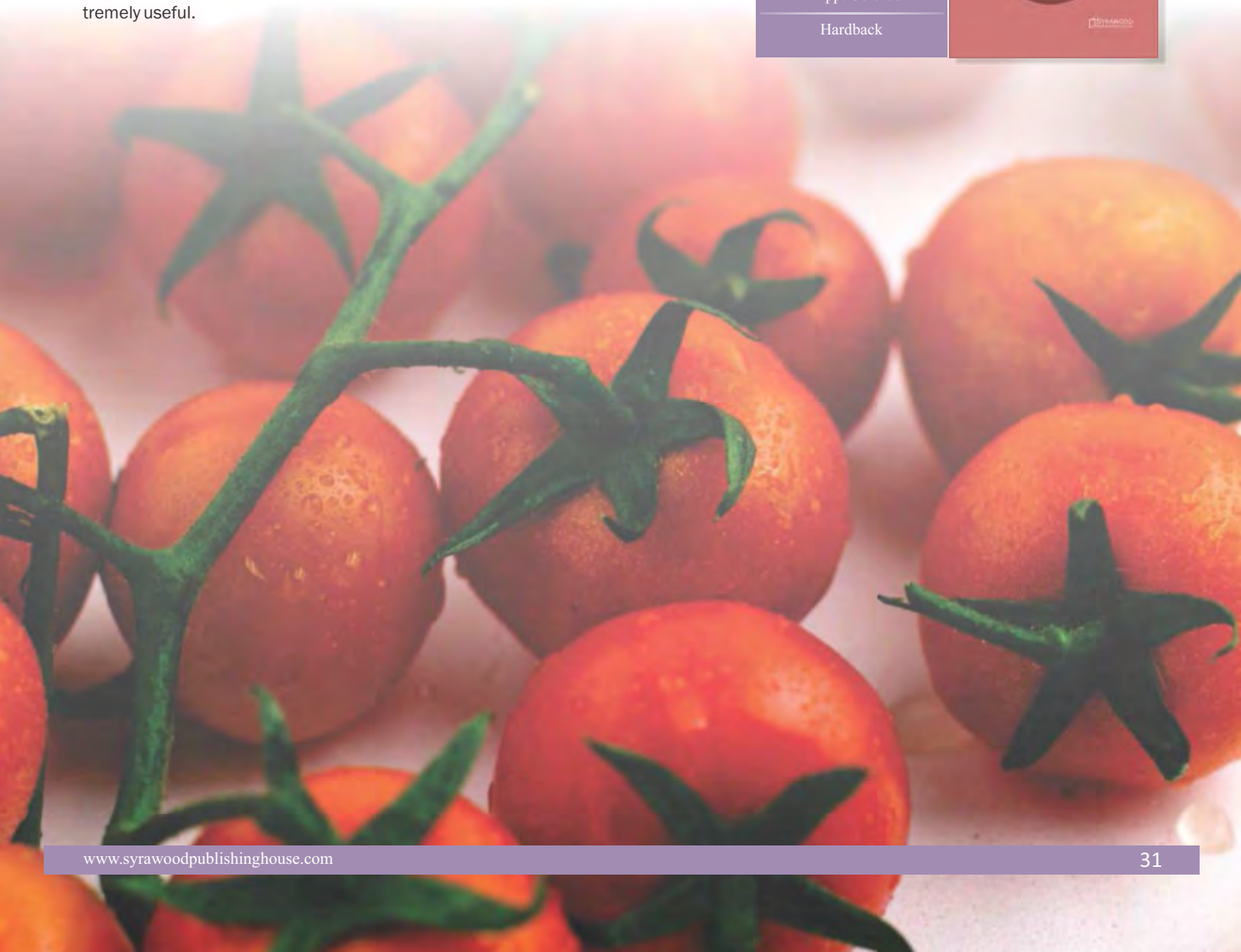
Pub Year: 2017

Book Size: 8.5”x11”

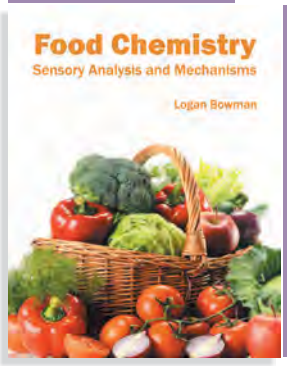
244pp. Colored

Hardback





Food Science



Logan Bowman
ISBN 978-1-68286-087-8
$144.99 US
Pub Year: 2016
Book Size: 8.5"x11"
212pp. Colored
Hardback

Food Chemistry: Sensory Analysis and Mechanisms

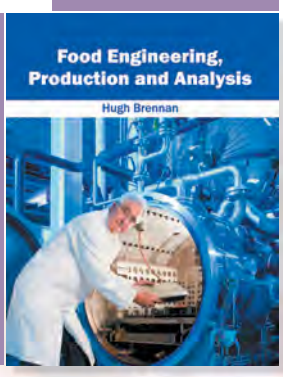
Taste analysis is a complex sensory procedure and many sensory mechanisms are involved in its perception. This book presents all the processes associated with sensory analysis of food in the most comprehensible manner. This book brings together detailed explanations of the various concepts like mechanisms of taste and flavor, evolution of taste organs, multi-sensory perception of flavor, influence of genetics in flavor chemistry and perception, etc. This book presents researches that have transformed this discipline and aided its advancement. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Food Science

Food Engineering, Production and Analysis

Food engineering as a field is very diverse and finds applications in agriculture, food processing and associated industries. This book presents researches and studies performed by experts across the globe. It elaborates concepts revolving around food science and technology, food chemistry, properties of various foods, relationship between food and the environment, etc. The extensive content of this book provides the readers with a thorough understanding of the subject. Students, researchers, experts and all associated with food engineering will benefit alike from this book.

Hugh Brennan
ISBN 978-1-68286-132-5
$144.99 US
Pub Year: 2016
Book Size: 8.5"x11"
214pp. Colored
Hardback



Food Science

Hugh Brennan
ISBN 978-1-68286-333-6
$156.99 US
Pub Year: 2016
Book Size: 8.5"x11"
274pp. Colored
Hardback

Food Industry Quality Control Systems

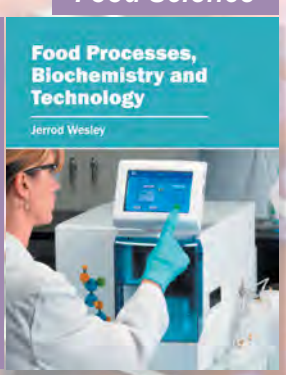
Quality control systems are of immense importance in food processing industries in order to ensure the safety and quality of processed food products. This book studies, analyses and upholds the pillars of food quality control systems and its utmost significance in modern times. Food engineering and production, toxicology, food safety analysis, etc. are some of the topics discussed in this book that will provide innovative insights to the readers. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book.

Food Science

Food Processes, Biochemistry and Technology

Food science is a multidisciplinary field of study that incorporates principles and concepts of various disciplines like biochemistry, engineering, etc. This book aims to study and analyze various food and biochemical processes and provide significant information to help develop a good understanding of various topics such as food chemistry and physical properties, characterization and profiling of different food products and components, food rheology, etc. The chapters included herein aim to equip students and experts with the advanced topics and upcoming concepts in this area.

Jerrod Wesley
ISBN 978-1-68286-133-2
$144.99 US
Pub Year: 2016
Book Size: 8.5"x11"
214pp. Colored
Hardback

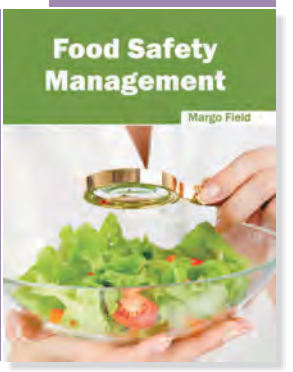


Food Science

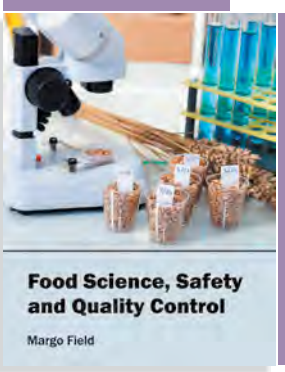
Food Safety Management

Food safety management as a discipline is concerned with the regulation of food production and storage processes in order to prevent potential health hazards and infections from contaminated food products. This book outlines the processes and applications of food safety management in detail with concepts such as different bacterial and viral pathogens, environmental contaminants, pesticides and drugs, food sampling, evaluation and analysis, etc. It contains contributions of internationally acclaimed scholars. The chapters included herein make this book an essential guide for both professionals and those who wish to pursue this discipline further.

Margo Field
ISBN 978-1-68286-003-8
$124.99 US
Pub Year: 2016
Book Size: 8.5”x11”
132pp. Colored
Hardback



Food Science



Margo Field
ISBN 978-1-68286-013-7
$139.99 US
Pub Year: 2016
Book Size: 8.5”x11”
180pp. Colored
Hardback

Food Science, Safety and Quality Control

Food safety and quality control are two very important aspects of the food industry. This innovative and comprehensive book integrates the well-developed theory and practical applications of food science with the concepts of quality control and safety standards that are practiced in the industry. Food toxicants, contaminants, mycotoxins, nutrition, food processing and control technologies, etc. are some of the topics that have been discussed in detail. It is a complete source of knowledge on the present status of food science. With state-of-the-art inputs by acclaimed experts of this field, this text targets students and professionals.

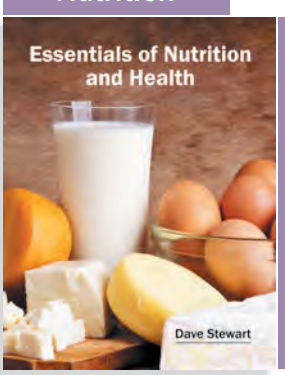
Food Science

Recent Advances in Flavor Science

Flavor perception is a sensory procedure and its understanding has enabled scientists to gain insights into multisensory processes. This book consists of material provided by top researchers from the field of food sciences and neurological sciences. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in the field of flavor development, such as effect of flavor on satisfaction, psychology behind food preferences, role of flavor in health and nutrition, role of senses in perception of flavor, mechanisms of taste, flavor and aroma, etc. This book aims to equip students and experts with the advanced topics and upcoming concepts in this area. It is highly recommended for students pursuing food science.

Lisa Jordan
ISBN 978-1-68286-183-7
$149.99 US
Pub Year: 2016
Book Size: 8.5”x11”
222pp. Colored
Hardback

Nutrition

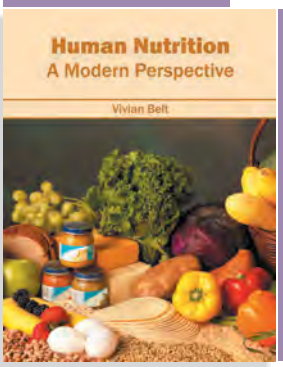


Dave Stewart
ISBN 978-1-68286-086-1
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
211pp. Colored
Hardback

Essentials of Nutrition and Health

Scientists and medical professionals around the globe have extensively conducted studies and researches in the field of nutrition and its subsequent effect on health and growth, in the last few decades. The topics elucidated in this extensive book include structure of different nutrients, requirement of different nutrients, various nutrition sauces, nutritional supplements, etc. It incorporates case studies and researches on the significant aspects of nutrition. This book will serve as a reference to a broad spectrum of readers.

Nutrition



Vivian Belt

ISBN
978-1-68286-218-6

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

252pp. Colored

Hardback

Human Nutrition: A Modern Perspective

Nutrition plays a prominent role in human growth and well being. There has been an enormous shift in the researches and case studies that aim to analyze and understand the composition of various nutrients and their interaction with human biological systems. This book is a vital compilation of topics like malnutrition, diet related disorders, diverse nutrient sources, human metabolism, supplements, etc. The extensive content of this book will make it a valuable source of reference for all students, researchers, dieticians, etc.

Nutrition and Dietetics

Dietetics is a scientific discipline that focuses on human nutrition, regulation of diet and improving human health. This book on nutrition and dietetics encompasses various clinical trials, experiments and case studies that analyze and evaluate current knowledge on nutrition sources and treatment techniques for nutritional deficiency. The aim of this book is to present researches that have transformed this discipline and aided its advancement. With state-of-the-art inputs by acclaimed experts of this field, this book targets students and professionals.

Nutrition

Ashley Martin

ISBN
978-1-68286-058-8

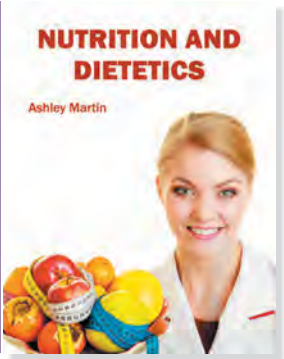
$144.99 US

Pub Year: 2016

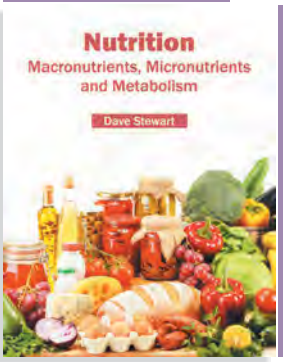
Book Size: 8.5”x11”

214pp. Colored

Hardback



Nutrition



Dave Stewart

ISBN
978-1-68286-046-5

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

202pp. Colored

Hardback

Nutrition: Macronutrients, Micronutrients and Metabolism

Nutrition is a vast field of study that attempts to understand and analyze the reactions of different nutrients and substances among different living organisms. This book is a comprehensive source of reference on nutrients, their structures, synthesis, etc. It discusses the fundamental as well as modern concepts related to the discipline of nutrition such as types of macronutrients and micronutrients, different nutrient sources, metabolic disorders, nutrient requirements, nutritional supplements, etc. In this book, using researches and examples, constant effort has been made to make the understanding of the field of nutrition and metabolism as easy and informative as possible, for the readers.

Nutrition: Science and Applications

Nutrition has evolved into an individual branch of science in the past decade. It not only focuses on the food intake but also the processes of absorption, catabolism, etc. This book concentrates on the adverse effects of nutrition deficiency in humans and related diseases. The various studies that are constantly contributing towards the evolution of this field are examined in detail. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Nutrition

Ashley Martin

ISBN
978-1-68286-229-2

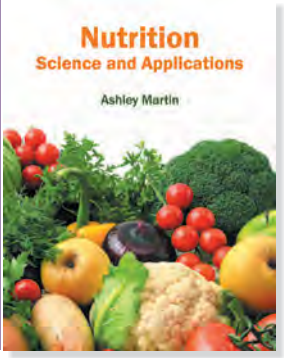
$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

261pp. Colored

Hardback



Nutrition

Textbook of Food Science and Nutrition

Food science and nutrition are prominent areas of research and study in context of human health and welfare. This book discusses some of the fundamental concepts related to food science and nutrition such as food intake and absorption, synthesis of nutrients, metabolism, nutritional deficiency, etc. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. The chapters included in this book will prove to be immensely beneficial to students and researchers in this field.

Logan Bowman

ISBN
978-1-68286-338-1

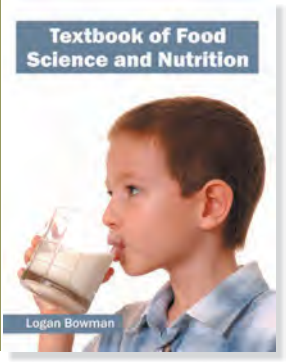
$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

280pp. Colored

Hardback



Animal Medicine for Veterinarians

This book elucidates the concepts and innovative models around prospective developments with respect to animal medicine. It includes some of the vital pieces of work being conducted across the world, on various topics related to this subject. Animal medicine concerns itself with the treatment, diagnosis and prevention of diseases that affect animals. Various laboratory tests are conducted to diagnose diseases and treatment plans are formed accordingly. This book explores all the important aspects of animal medicine in the present day scenario. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail in the book. It will help veterinarians by foregrounding their knowledge in this branch. It will serve as a valuable source of reference for graduate and post graduate students.

Veterinary Science and Medicine

Andrea Santoro

ISBN
978-1-68286-441-8

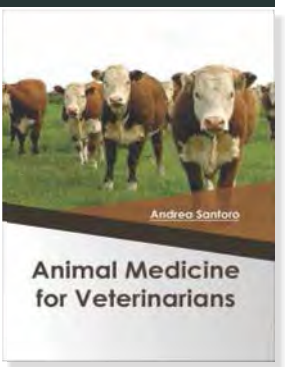
$144.99 US

Pub Year: 2017

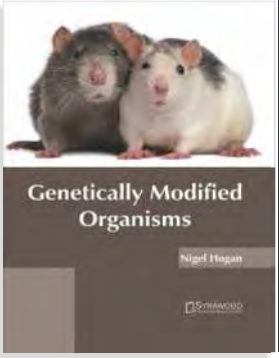
Book Size: 8.5”x11”

229pp. Colored

Hardback



Veterinary Science and Medicine



Nigel Hogan

ISBN
978-1-68286-437-1

$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

239pp. Colored

Hardback

Genetically Modified Organisms

Genetically modified organisms are organisms whose genes have been altered using genetic engineering techniques. This book on genetically modified organisms discusses the process of modification along with developments in the fields of medicine and biology. Much of the information on genetics is still theoretical and long-term changes in terms of evolutionary patterns, disease recurrence and immunity are still areas of study and development. There has been rapid progress in this field and its applications are finding their way across multiple industries. This book covers in detail some existence theories and innovative concepts revolving around genetically modified organisms. It is a vital tool for all researching or studying genetic engineering as it gives incredible insights into emerging trends and concepts. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge for students and experts alike.

Principles and Practice of Veterinary Science

Veterinary science is an extensive field of study. From theories to research to practical applications, case studies related to all contemporary topics of relevance in the field of veterinary science have been included in this book. Veterinary science deals with the diagnosis of diseases in animals along with its treatment and prevention. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in this discipline. For all readers who are interested in veterinary science, the case studies included in this book will serve as an excellent guide to develop a comprehensive understanding. It will help new researchers by foregrounding their knowledge in this branch. This book is an essential guide for both academicians and those who wish to pursue this discipline further.

Veterinary Science and Medicine

Gerardo Bailey

ISBN
978-1-68286-476-0

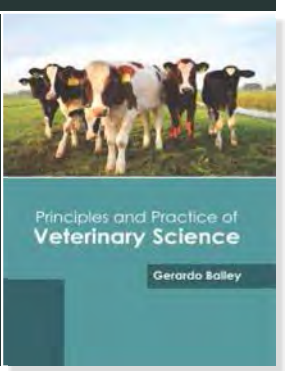
$135.99 US

Pub Year: 2017

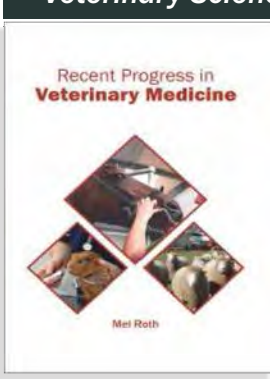
Book Size: 8.5”x11”

200pp. Colored

Hardback



Veterinary Science and Medicine



Mel Roth

ISBN
978-1-68286-440-1

$144.99 US

Pub Year: 2017

Book Size: 7.75”x10.5”

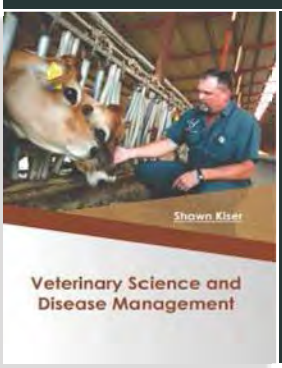
226pp. Colored

Hardback

Recent Progress in Veterinary Medicine

Veterinary medicine is defined as the branch of medicine that deals with the causes, diagnosis and treatment of diseases and injuries of animals. This book traces the progress of this field from its early stages to its modern research advancements. The topics included in this book on veterinary medicine are of utmost significance and bound to provide incredible insights to readers. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. It is a complete source of knowledge on the present status of this important field. Researchers and students associated with veterinary medicine will be assisted by this text.

Veterinary Science and Medicine



Shawn Kiser

ISBN
978-1-68286-439-5

$149.99 US

Pub Year: 2017

Book Size: 8.5”x11”

238pp. Colored

Hardback

Veterinary Science and Disease Management

The branch of medicine dealing with the causes, investigation and treatment of diseases and injuries in animals is referred to as veterinary science. The aim of this book is to present researches that have transformed this discipline and aided its advancement. It provides a comprehensive study of various disease managing skills that are of vital importance to the field of veterinary science and to those who are practicing it. The text is an essential resource for understanding the varied aspects of animal health and disease, genetics and biotechnology. Different approaches, evaluations, methodologies and advanced studies on veterinary science have been included in this book. It will serve as a resource guide for veterinary doctors, scientists, practitioners and students involved in this field.

Veterinary Science: From Theories to Practice

Veterinary science deals with the disease diagnosis and medical treatment and medication of all animals. This book on veterinary science encompasses various specialties such as veterinary pathology, veterinary pharmacology and veterinary public health. This book is meant for students who are looking for an elaborate reference text on veterinary science. Contents included reflect the advanced research that has taken place in this field in the last few decades. It is a vital tool for all researching and studying this field. The topics covered in this book offer the readers new insights in the field of veterinary science. It will help the readers gain knowledge that would broaden their perspective this discipline.

Veterinary Science and Medicine

Gerardo Bailey

ISBN
978-1-68286-468-5

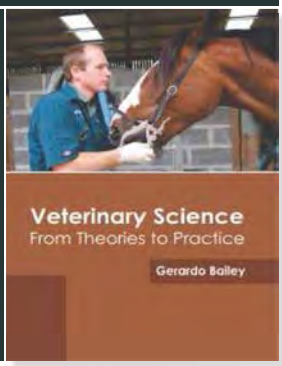
$144.99 US

Pub Year: 2017

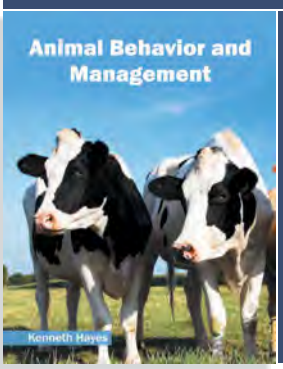
Book Size: 8.5”x11”

234pp. Colored

Hardback



Veterinary Science and Medicine



Kenneth Hayes
ISBN 978-1-68286-236-0
$152.99 US
Pub Year: 2016
Book Size: 8.5”x11”
259pp. Colored
Hardback

Animal Behavior and Management

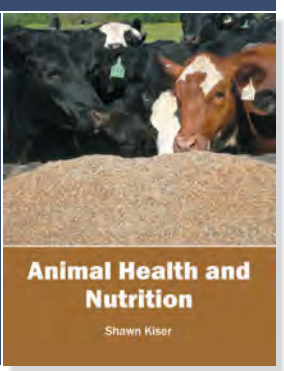
Behavior is an essential component of animal life. The study of behavior has given us remarkable insights into understanding the reactions of animals. This book is a complete source of knowledge on animal behavior and is a collective contribution of internationally renowned experts. It is a vital tool for all researching or studying zoology or veterinary science as it gives incredible insights into emerging trends and concepts of animal behavior and management. The text discusses in detail the psychological responses of animals to humans and their environment. It also presents some studies on rehabilitation of animals. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book.

Animal Health and Nutrition

The discipline of animal health and nutrition focuses mainly on the dietary habits and nutritional requirements of animals. This book discusses the fundamentals as well as modern approaches of animal nutrition. Latest researches on pathogens, host and microbe interactions, infectious diseases, development of vaccines, etc. are included in this book. It consists of contributions made by international experts. It will also provide a number of innovative topics for research which interested readers can take up. This book is meant for students who are looking for an elaborate reference text on animal health and nutrition.

Veterinary Science and Medicine

Shawn Kiser
ISBN 978-1-68286-145-5
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
221pp. Colored
Hardback



Veterinary Science and Medicine

Ryan Webber
ISBN 978-1-68286-004-5
$124.99 US
Pub Year: 2016
Book Size: 8.5”x11”
131pp. Colored
Hardback

Animal Science: Sustenance, Conservation and Welfare of Animals

Animal science and welfare is rapidly expanding at a global scale. Scientists and researchers all over the world are devising new methods to better understand the physiology, genetics and behavior of animals. The chapters included herein bring forth some of the most innovative concepts and elucidate the unexplored aspects of animal science. The significance of animals for ecological sustainability, protection of endangered species, taxonomy and biodiversity of animals are some of the topics that have been discussed within this book. The extensive content of this book provides the readers with a thorough understanding of animal welfare. Students, researchers, experts and all associated with zoology and veterinary science will benefit alike from this book.

Veterinary Science and Medicine

Andrea Santoro
ISBN 978-1-68286-065-6
$144.99 US
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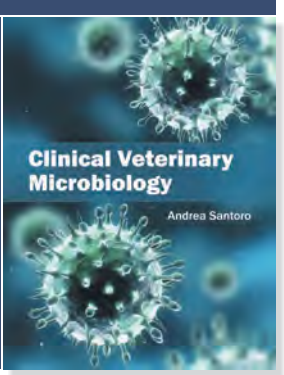
Book Size: 8.5”x11”
214pp. Colored
Hardback



Clinical Veterinary Microbiology

Veterinary microbiology focuses on the diseases caused by microbes such as bacteria, etc. primarily among livestock, dairy animals and other domesticated animals. It also covers zoonoses amongst wild animals. This book provides a comprehensive overview of veterinary microbiology. It encompasses relevant research from different parts of the world highlighting microbial genetics, different types of diseases, their management, epidemiology, etc. This book will be beneficial for veterinarians, pharmaceutical research personnel, students, and public health professionals.

Essentials of Veterinary Science

Veterinary Science is a rapidly expanding branch of science. Encompassing all species of animals, both wild and domesticated, veterinary science has a wide scope of research. Veterinary medicine has evolved as a self-sustaining science in the modern times. Students all around the world are interested in this discipline and are studying as well as practicing it. This book caters to such pool of students as well as practitioners or researchers who are interested in this field and want to explore this advancing science. In the recent years, there have been some revolutionizing researches in this field which have paved the way for new concepts and methods of treatments in animals. Such researches have been discussed in detail in this book. It presents diverse researches from different parts of the world which will help students understand the existing medicines better and also find new methods and techniques to treat animals better.

Veterinary Science and Medicine

Mel Roth

ISBN
978-1-68286-121-9

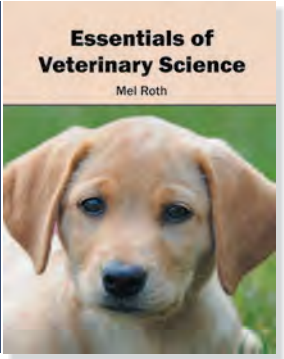
$144.99 US

Pub Year: 2016

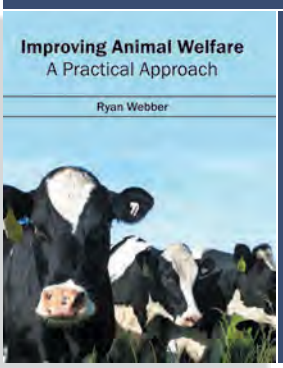
Book Size: 8.5”x11”

219pp. Colored

Hardback



Veterinary Science and Medicine



Ryan Webber

ISBN
978-1-68286-010-6

$139.99 US

Pub Year: 2016

Book Size: 8.5”x11”

171pp. Colored

Hardback

Improving Animal Welfare: A Practical Approach

Animal welfare plays a crucial role in agricultural practices like animal husbandry and dairy farming. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in the field of animal welfare. Various aspects of animal behavior, physiology, reproduction, etc. have been discussed in a lucid manner. The book is appropriate for students of veterinary sciences, zoology and similar disciplines seeking detailed information, as well as for professionals engaged in this field, as it includes contributions of experts and scientists which will provide innovative insights into this subject.

Veterinary Medicine: Prevention, Diagnosis and Treatment of Diseases in Animals

Diagnosis, treatment and prevention are the three core areas of veterinary medicine. This book is a compilation of chapters that discuss the most vital concepts like types of diseases, sources of infection, agents, techniques of diagnosis, etc. The objective of this text is to give a general view of the different areas of veterinary medicine. It will serve as a valuable source of reference for graduate and post graduate students of veterinary sciences and associated disciplines.

Veterinary Science and Medicine

Andrea Santoro

ISBN
978-1-68286-117-2

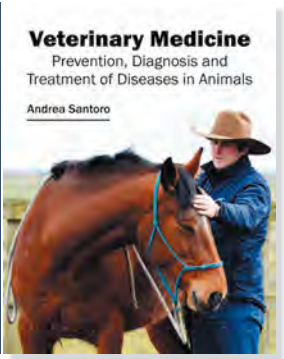
$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

219pp. Colored

Hardback



Veterinary Science and Medicine

Mel Roth

ISBN
978-1-68286-364-0

$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

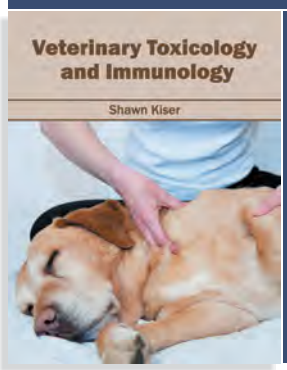
282pp. Colored

Hardback

Veterinary Science

Recent progress in the fields of biology and medicine has led to rapid advancements in veterinary science. It has emerged as a self-sustained discipline in past few decades. It includes the anatomical and physiological study of both domestic as well as wild animals. It serves as a monitoring aid to human health through control of zoonotic diseases. The book encompasses contemporary developments and trends in therapeutic treatment of animals and livestock. Some of the topics included in this book like veterinary anatomy, physiology, epidemiology, etc. are bound to provide incredible insights to the students and researchers engaged in this field.

Veterinary Science and Medicine



Shawn Kiser
ISBN
978-1-68286-137-0
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
220pp. Colored
Hardback

Veterinary Toxicology and Immunology

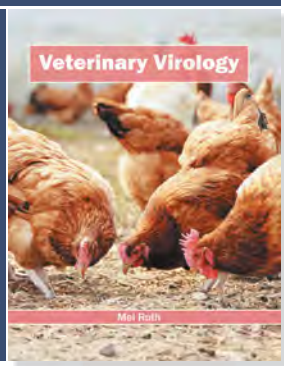
Toxicology and immunology explore the infections, diseases, agents as well as antidotes affecting living organisms and form a crucial part of veterinary sciences. Over the past few decades, remarkable progress has been made in these disciplines. This book lucidly discusses topics like evaluation of new vaccines, systemic immunology, infections, host-pathogen interactions, etc. The students of veterinary sciences and veterinary pathology will find in this book an ideal guide. It will enable them to arrive at a comprehensive diagnosis. This book strives to provide a fair idea about this discipline and helps develop a better understanding of the latest advances within this field.

Veterinary Science and Medicine

Veterinary Virology

Virology mainly focuses on the study of viruses which have a significant impact on living organisms. This book on veterinary virology provides comprehensive insights into various diseases which affect animals, like rhabdovirus, pestivirus, foot and mouth disease virus, etc. Suitable for the students and researchers of veterinary medicine and veterinary pathology, it will be a useful tool in comprehending various viral infections and their treatment. The book will also provide innovative topics for research which interested readers can take up.

Mel Roth
ISBN
978-1-68286-318-3
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
280pp. Colored
Hardback



Zoology

Anatomy and Physiology of Animals

Anatomy and Physiology are complementary fields of study especially for disciplines associated with biology. This book exclusively covers the topics related to anatomy and physiology of animals. It aims to shed light on the multidisciplinary facets of zoology by focusing on the structural, physiological and evolutionary advancements in animals which have been extensively covered in this book. Students, researchers, experts and all associated with zoology, veterinary sciences and related fields will benefit alike from this book.

Kenneth Hayes

ISBN
978-1-68286-073-1

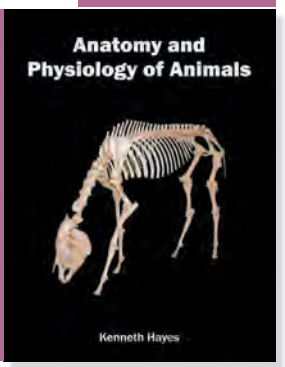
$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

211pp. Colored

Hardback



Zoology

Hector Carling

ISBN
978-1-68286-074-8

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

213pp. Colored

Hardback

Animal Biodiversity and Ecology

Animal biodiversity is a vast field of study. This book covers the interdisciplinary aspects of animal biodiversity by integrating concepts from evolutionary ecology, conservation biology, etc. It aims to explain in detail the systematics, morphology, physiology, genetics, etc. related to animal species and their ecosystems. This book will bring forth some innovative concepts in the field and help students, researchers, biologists, zoologists, etc. to better understand this discipline.

Zoology

Insect Ecology

Insects form an extremely significant part of our ecosystem. They help in maintaining the ecological balance. This book on insect ecology specifically focuses on studying the behavior and interactions of insects with their surroundings. It discusses topics like evaluation of insects, colony performance, ant communities, competitive interactions, termite studies, etc. This book is a collective contribution of a renowned group of international experts. It is ideal for graduate and postgraduate students pursuing entomology and associated disciplines.

Christopher Fleming

ISBN
978-1-68286-093-9

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

215pp. Colored

Hardback

Zoology

Ralph Becker

ISBN
978-1-68286-144-8

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

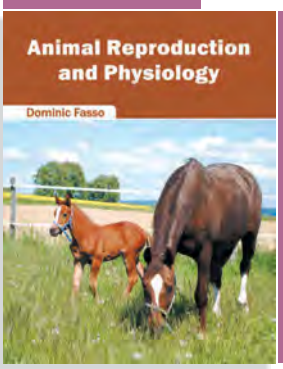
219pp. Colored

Hardback

Animal Cell Biology

The researches that fall under animal cell biology integrate diverse biological fields such as molecular biology, development biology, etc. This book strives to provide a fair idea about this discipline and to help develop a better understanding of the recent advances within this field with the help of concepts related to molecular genetics, immunology, cellular metabolism, etc. A number of latest researches by experts from around the globe have been included in this book. It aims to further the scope of research in this field and contribute to its progress.

Zoology



Dominic Fasso

ISBN 978-1-68286-185-1
$149.99 US
Pub Year: 2016
Book Size: 8.5”x11”
228pp. Colored
Hardback

Animal Reproduction and Physiology

The aim of this book is to present researches that have transformed the study of animal physiology and aided its advancement. With a special emphasis on animal reproduction, this book on animal physiology covers an extensive range of topics such as breeding, genetics, animal health and nutrition, etc. It contains a multitude of innovative topics which will prove to be very insightful for students and research scholars of zoology, veterinary sciences and allied disciplines.

Animal Science: Biology and Technology

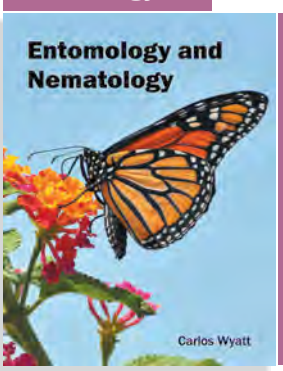
Animal science is an interdisciplinary approach to study agriculture, dairy management, and animal health with the help of biology. This book includes the nutritional value of feeds and its utilisation. The researches and case-studies compiled in this book discuss various agronomic and climatic factors influencing the product rate as well as reproduction and health issues of animals. Different modules, analytical and experimental methods are discussed in this text.

Zoology

Hector Carling

ISBN 978-1-68286-163-9
$149.99 US
Pub Year: 2016
Book Size: 8.5”x11”
226pp. Colored
Hardback

Zoology



Carlos Wyatt

ISBN 978-1-68286-131-8
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
218pp. Colored
Hardback

Entomology and Nematology

This book aims to provide a cohesive knowledge on the interdisciplinary fields of entomology and nematology. It discerns the current progress of these fields and highlights some of their key concepts and applications for further research and observations. It includes some of the vital pieces of work being conducted across the world, on various topics related to morphology and physiology of insects and nematodes, taxonomy and forensic entomology, etc. The extensive content of this book provides the readers with a thorough understanding of the subject for all the graduate and post graduate students, researchers, etc.

Insect Biology

The study of insect biology is of high importance for a number of fields like agriculture, chemistry, biology, health science, etc. This book on insect biology covers a diverse set of topics ranging from insect anatomy and physiology to topics like genetics, evolution, behavior of insects, etc. This text is a valuable compilation of researches, ranging from the basic to the most complex advancements in the field of insect biology. It provides significant information of this discipline to help develop a good understanding about the field among students and aid research scholars.

Zoology

Christopher Fleming

ISBN 978-1-68286-066-3
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
213pp. Colored
Hardback

Zoology

Insect Science: Evolution, Behavior and Management of Insects

Insects have been studied across the globe for decades. This book includes some of the vital pieces of work being conducted across the world, on various topics related to entomology. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. Included in this book are lucid explanations about important topics such as evolution of insects, systematics of social and pre-social insects such as ants, termites, wasps, etc. It aims to equip students and experts with the advanced topics in this area. This book is highly recommended for graduate and post graduate students, and academicians pursuing entomological studies and associated disciplines.

Christopher Fleming

ISBN
978-1-68286-094-6

$144.99 US

Pub Year: 2016

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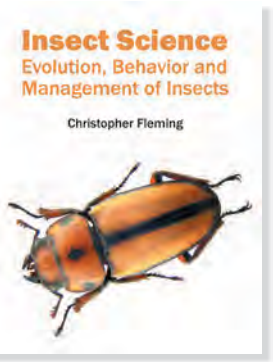
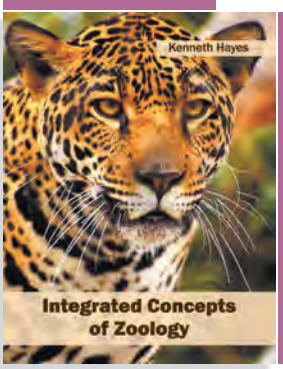
215pp. Colored

Hardback



Zoology



Kenneth Hayes

ISBN
978-1-68286-313-8

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

274pp. Colored

Hardback

Integrated Concepts of Zoology

Zoology as a discipline specifically caters to the study of animal kingdom. The aim of this book is to present researches that have transformed this discipline and aided its advancement. Detailed studies on the structural, physiological and evolutionary processes of animals are provided in this book. It will serve as a valuable source of reference for graduate and post graduate students of zoology, veterinary sciences and allied disciplines. Those in search of information to further their knowledge in this field will be greatly assisted by this book.

Zoology

Textbook of Animal Biotechnology

Animal biotechnology is focused on animal health and livestock production. The applications of this field are spread across industries such as pharmaceutics, dairy farming, etc. This book aims to understand the innovative methods and techniques for animal breeding and genetics. It comprises of research on different aspects of feed processing technology and bioevaluation. This text will benefit students, researchers and professionals engaged in this field by keeping them updated with global trends.

Carlos Wyatt

ISBN
978-1-68286-067-0

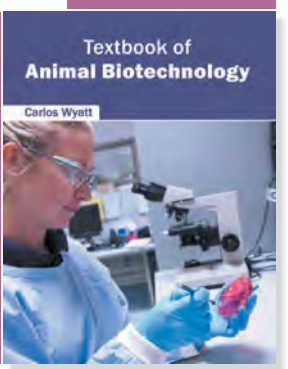
$144.99 US

Pub Year: 2016

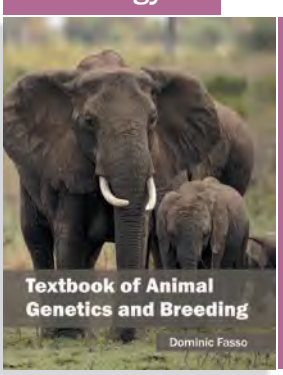
Book Size: 8.5”x11”

212pp. Colored

Hardback



Zoology



Dominic Fasso

ISBN
978-1-68286-059-5

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Pub Year: 2016

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Textbook of Animal Genetics and Breeding

The study of animal genetics and breeding are essential for practices like animal husbandry, etc. This book contains some path-breaking studies in the field of animal genetics which will enable the reader to gain a comprehensive insight into this discipline. Also included in this book are detailed discussions on genomics, DNA structure and modeling, chromosomes, etc. These topics are of utmost significance, especially for students and research scholars of zoology, veterinary sciences and related fields. This book is a complete source of knowledge on the latest advances in the field of animal genetics and breeding.

Zoology

Martin Winter

ISBN
978-1-68286-321-3

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

275pp. Colored

Hardback

Wildlife Biology

Wildlife biology is gaining significance all over the world. The study of all species of animals and their habitats has fascinated scientists for many years. This book covers the existing theories and concepts in the field of wildlife biology and also sets ground for new research. It discusses some innovative techniques and modules to record and comprehend the physiology, demographics and related aspects of the varied species on the planet. It further delves into the management and conservation practices for harboring sustainable habitats. This book aims to provide a better understanding of the advancing field of wildlife biology through diverse case studies and groundbreaking researches. This book will benefit students and professionals alike.

Wildlife Conservation and Management

Wildlife conservation and management is increasingly becoming a subject of great interest and value. The significance of wildlife conservation came into light few decades back when ecologists noticed the negative impacts of habitat loss and extinction of species. The destruction and degradation of different habitats of wild animals meant for their development and preservation, has led to fall in the population of various species. National parks, wildlife sanctuaries and hotspots are designed to protect wildlife on a large scale. This book focuses upon the relevance of study of conservation biology. Some of the significant concepts included in the book are wildlife ecology, morphology, genetics, and conservation practices. It aims to benefit students and academicians who are looking to explore this field.

Zoology

Martin Winter

ISBN
978-1-68286-157-8

$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

218pp. Colored

Hardback

Biochemistry

Antioxidants: Chemistry and Applications

Antioxidants are molecules that facilitate the oxidation of other molecules. It also deals with chemical structures. Antioxidants and their application to chemistry and other related fields is an emerging field of research. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. It aims to shed light on the different chemical processes and its dynamics so as to provide a holistic approach to the discipline and its branches. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts. For all those who are interested in antioxidants, this book can prove to be an essential guide. In this text, using case studies and examples, constant effort has been made to make the understanding of the difficult concepts of this field as easy and informative as possible, for the readers.

Oliver Stone

ISBN
978-1-68286-403-6

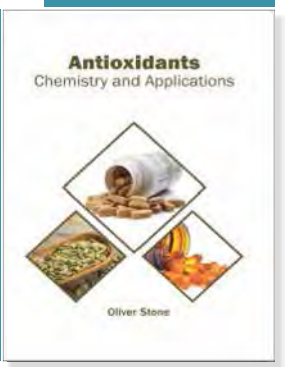
$149.99 US

Pub Year: 2017

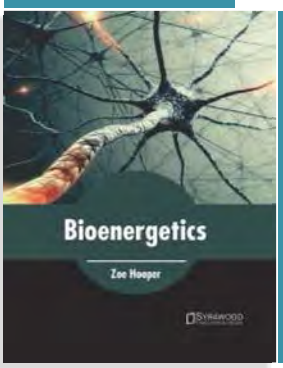
Book Size: 7.75"x10.5"

239pp. Colored

Hardback



Biochemistry



Zoe Hooper

ISBN
978-1-68286-404-3

$150.99 US

Pub Year: 2017

Book Size: 8.5"x11"

242pp. Colored

Hardback

Bioenergetics

Bioenergetics is characterized by the energy involved in making and breaking of chemical bonds in the molecules found in organisms. It is a sub discipline of biochemistry. This book is compiled in such a manner, that it will provide in-depth knowledge about the theory and practice of bioenergetics and its related fields. It aims to provide a comprehensive study of the living organisms by examining components like growth, development and metabolism which are essential to understand the field of bioenergetics. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge for all researching and studying the field of bioenergetics.

Lipid Biochemistry

Biochemistry is the examination of chemistry of and relating to biological organisms. It forms a connection between biology and chemistry. It is done through the study of complex chemical reactions and chemical structures which in turn gives rise to life and life processes. Lipids are a diverse class of molecules whose structurally distinct properties are hydrophobicity and solubility in organic solvents. This book brings forth some of the most innovative concepts and elucidates the unexplored aspects of lipid biochemistry and its related branches. This text is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field of lipid biochemistry. It presents this complex field in the most comprehensible and easy to understand language. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject.

Biochemistry

Donna Thompson

ISBN
978-1-68286-401-2

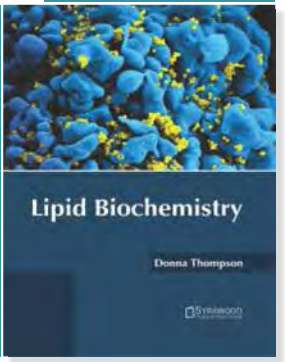
$150.99 US

Pub Year: 2017

Book Size: 8.5"x11"

244pp. Colored

Hardback



Biotechnology

Emma Layer

ISBN
978-1-68286-455-5

$150.99 US

Pub Year: 2017

Book Size: 8.5"x11"

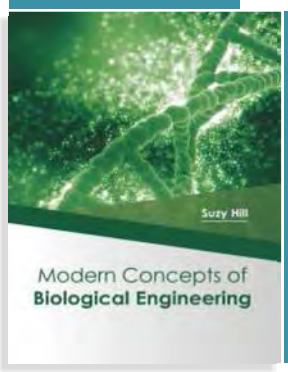
244pp. Colored

Hardback

Environmental Biotechnology: Progress and Trends

The study of natural environment with respect to biotechnology is known as environmental biotechnology. It also refers to the practice of using biological processes to conserve environment and reduce contamination. This book unravels the recent studies in this field. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. Different approaches, evaluations, methodologies and advanced studies on environmental biotechnology have been included in the text. For all those who are interested in this subject, this text can prove to be an essential guide. A number of latest researches have been included to keep the readers up-to-date with the global concepts in this area of study.

Biotechnology



Suzy Hill

ISBN
978-1-68286-453-1

$150.99 US

Pub Year: 2017

Book Size: 8.5"x11"

242pp. Colored

Hardback

Modern Concepts of Biological Engineering

This book elucidates the concepts and innovative models around prospective developments with respect to biological engineering. This field of study is a branch of engineering focusing on the application of concepts and methods of biology to life sciences. While understanding the long-term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. It aims to highlight the varied aspects of biological engineering through the use of extensive examples. This book is a complete source of knowledge on the present status of this important field. Engineers, biologists, researchers, experts, professionals and students will benefit alike from this book.

Protein Engineering and Design

Protein Engineering is a nascent yet rapidly expanding field of study concerned with the useful development of proteins. This book elucidates new techniques and their applications in a multidisciplinary approach. The discipline of protein engineering is a growing field of study. This book traces the progress of this field and highlights some of its key concepts and applications. This field of study is understood through two major strategies that is - rational protein design and the directed evolution. The text has combined both these strategies so as to give it a holistic approach. Those in search of information on this field to further their knowledge will be greatly assisted by this book. It includes contributions of experts and scientists from across the globe which will provide innovative insights into this field.

Biotechnology

Anton Torres

ISBN
978-1-68286-402-9

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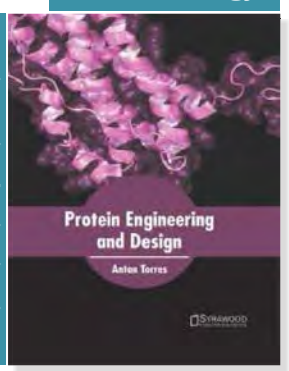
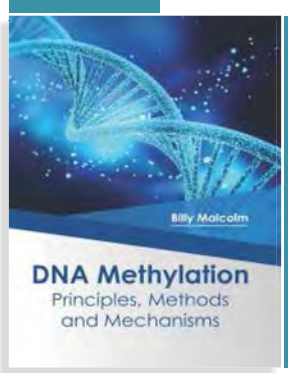
233pp. Colored

Hardback



Genetics



Billy Malcolm

ISBN
978-1-68286-412-8

$150.99 US

Pub Year: 2017

Book Size: 8.5"x11"

241pp. Colored

Hardback

DNA Methylation: Principles, Methods and Mechanisms

DNA Methylation can be defined as the method by which methyl groups act on the DNA in order to repress cell processes. DNA methylation is vital for the organic processes taking place inside the human body such as ageing, carcinogenesis and gene expression. The aim of this book is to present researchers that have transformed this discipline and added its advancement. From theories and research to practical applications, case studies related to all contemporary topics of relevance to this field have been included herein. This book will prove useful for students as well as experts in the fields of evolutionary biology, bioengineering, and biochemistry. It is an essential guide for both academicians as well as for those who wish to pursue this discipline further.

Genetic Engineering Handbook

Genetic engineering is the science of using biotechnology to modify and improve organisms and enhance their characteristics. This field produces genetically modified organisms (GMOs), genetically modified food and genetically modified crops. It incorporates techniques like DNA sequence, gene transfer, genome editing, gene therapy, etc. This book includes contributions of experts and scientists which will provide innovative insights into this field. It also provides interesting topics for research which readers can take up. Different approaches, evaluations, methodologies and advanced studies on genetic engineering have been included in it. Scientists and students actively engaged in this subject will find this text full of crucial and unexplored concepts.

Genetics

David Rhodes

ISBN
978-1-68286-454-8

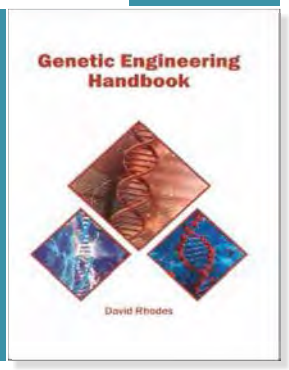
$150.99 US

Pub Year: 2017

Book Size: 7.75"x10.5"

241pp. Colored

Hardback



Microbial Engineering: Principles, Methods and Applications

This book elucidates the concepts and innovative models around prospective developments with respect to microbial engineering. It presents researches and studies performed by experts across the globe. Microbial engineering brings together principles of various fields like biotechnology, chemical engineering, microbiology, immunology, etc. The aim of this text is to present researches that have transformed this discipline and aided its advancement. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in it. Scientists and students actively engaged in this field will find the book full of crucial and unexplored concepts.

Molecular Biology and Microbiology

Lucy Phillip

ISBN
978-1-68286-409-8

$150.99 US

Pub Year: 2017

Book Size: 8.5”x11”

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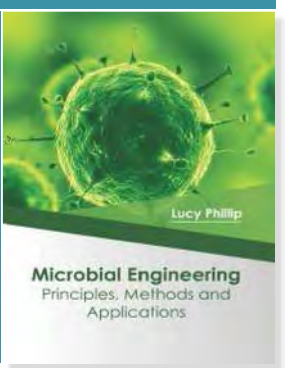
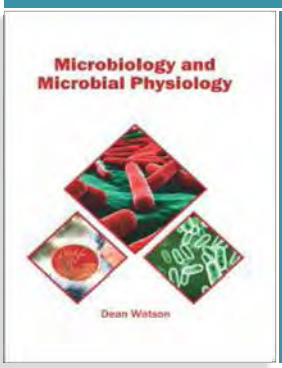


Molecular Biology and Microbiology



Dean Watson

ISBN
978-1-68286-410-4

$152.99 US

Pub Year: 2017

Book Size: 7.75”x10.5”

246pp. Colored

Hardback

Microbiology and Microbial Physiology

Microbiology refers to the study of unicellular, acellular and multicellular organisms. The main branches of microbiology include mycology, virology, bacteriology, parasitology, etc. It often overlaps with microbial physiology, applied microbiology, etc. This book gives a detailed explanation of the various concepts and applications of the subject. It elucidates new techniques and their applications in a multidisciplinary approach. Some of the diverse topics covered in the book address the varied branches that fall under this category. As this field is emerging at a rapid pace, the contents of this text will help the readers understand the modern concepts and applications of microbiology and microbial physiology. This book is an essential guide for both academicians and those who wish to pursue this discipline further.

Microbiology: Probiotics and Related Applications

This book gives a detailed explanation of the various concepts and applications of microbiology and probiotics. While understanding the long-term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. Microbiology refers to the study of microorganisms, encompassing unicellular, multicellular and acellular organisms. Probiotics are a distinct species of microorganisms, which are considered beneficial for human as well as animal health. This book shed slight on the varied applications of microbiology with respect to probiotics. This book explores all the important aspects of microbiology and probiotics in the present day scenario. Different approaches, evaluations, methodologies and advanced studies on this subject have been included in the text. For all those who are interested in microbiology, this text can prove to be an essential guide.

Molecular Biology and Microbiology

Lucy Phillip

ISBN
978-1-68286-408-1

$150.99 US

Pub Year: 2017

Book Size: 8.5”x11”

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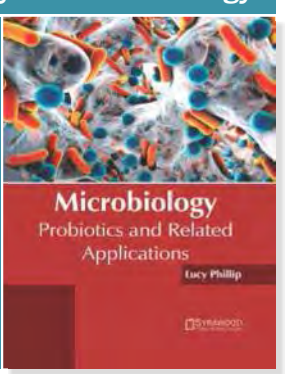
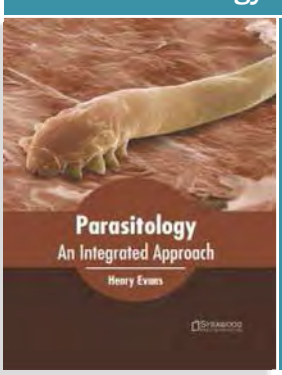
Hardback



Molecular Biology and Microbiology



Henry Evans

ISBN
978-1-68286-405-0

$150.99 US

Pub Year: 2017

Book Size: 8.5”x11”

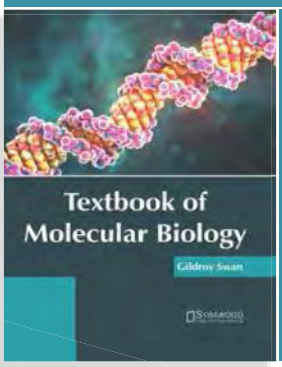
242pp. Colored

Hardback

Parasitology: An Integrated Approach

Study of parasites, their hosts and the relationship between the host and parasites is called parasitology. As a field of study it draws techniques from interdisciplinary disciplines like cell biology, bioinformatics, molecular biology, immunology, etc. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in the field of parasitology. The text covers not only the vital components of parasitology but it also presents an integrated approach to study the varied aspects of this discipline. It aims to present to its readers multiple fields that are integrative in nature for example medical parasitology, veterinary parasitology, parasite ecology, etc. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject.

Molecular Biology and Microbiology



Gildroy Swan

ISBN
978-1-68286-411-1

$149.99 US

Pub Year: 2017

Book Size: 8.5"x11"

236pp. Colored

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Textbook of Molecular Biology

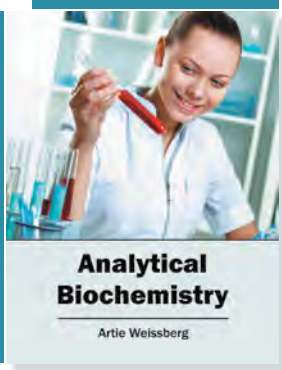
This book covers in detail some existent theories and innovative concepts revolving around molecular biology. The ever growing need of advanced technology is the reason that has fuelled the research in this field in recent times. Molecular biology refers to the study of molecular activity at the biological level. It encompasses the elements of biochemistry, biology, genetics and chemistry. It aims at examining the processes taking place in living organisms and at determining the roles and structure of biomolecules. This book explores all the important aspects of molecular biology in the present day scenario. Different approaches, evaluations, methodologies and advanced studies have been included in it. The text is appropriate for students seeking detailed information in this area as well as for experts.

Biochemistry, Genetics, Biotechnology and Molecular Biology

Analytical Biochemistry

Analytical biochemistry as a discipline is concerned with understanding the methods for analyzing various structures and processes in biological and biochemical sciences. The chapters included in this book are a compilation of topics ranging from the basic to the most complex advancements in the field of molecular and cell biology, human and plant genetics, etc., and also contains researches contributed by international experts. It will prove to be an asset for students, academicians, professionals, or readers in general interested in analytical chemistry.

Biochemistry



Artie Weissberg

ISBN
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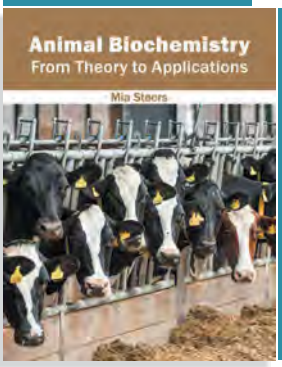
Biochemistry



Mia Steers

ISBN
978-1-68286-274-2

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

272pp. Colored

Hardback

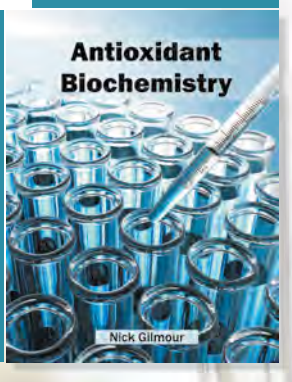
Animal Biochemistry: From Theory to Applications

The understanding of animal biochemistry is essential for disciplines like animal husbandry and veterinary science. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in animal biochemistry. Included herein are insightful topics like metabolism, animal nutrition, feed processing technology, etc. which will enable the readers to have an in-depth understanding of this subject. It has been written and edited by internationally renowned scholars and the aim of this book is to present researches that have transformed this discipline and aided its advancement. For the students of zoology, veterinary sciences and similar disciplines, this text will prove to be an ideal resource material.

Antioxidant Biochemistry

There has been rapid progress in the field of antioxidant biochemistry and its applications are finding their way across multiple industries. This book is an assimilation of concepts and relevant topics such as antioxidant activity of different substances, oxidative stress, natural and synthetic antioxidants, dietary antioxidants, etc. It provides the information needed to efficiently translate new research findings and clinical experiences into novel applications. The book is an excellent source of reference for the students and researchers engaged in this field.

Biochemistry



Nick Gilmour

ISBN
978-1-68286-200-1

$149.99 US

Pub Year: 2016

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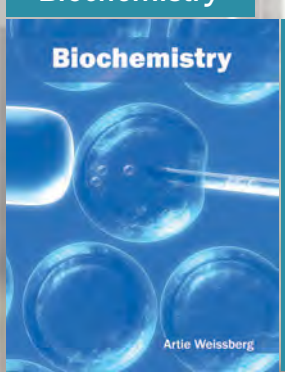
Biochemistry



Artie Weissberg

ISBN
978-1-68286-069-4

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

214pp. Colored

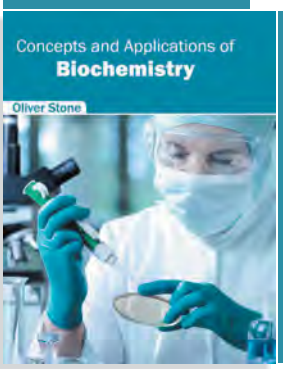
Hardback

Biochemistry

This comprehensive book provides an in-depth insight into the concepts and applications of biochemistry. While understanding the long-term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. Some of the significant concepts and topics encompassed in this book are bio-molecular recognition, genomic analysis, metabolic engineering and gene therapy. The major sections covered in this extensive book deal with the various applications of biochemistry within different fields like pharmaceuticals, bioengineering, etc. It will serve as a valuable source of reference for graduate and post graduate students.

Biochemistry, Genetics, Biotechnology and Molecular Biology

Biochemistry



Oliver Stone

ISBN
978-1-68286-250-6

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

267pp. Colored

Hardback

Concepts and Applications of Biochemistry

The field of biochemistry aims to study the chemical processes taking place in living organisms on a cellular level. The chapters included in this book are a compilation of updated information on structure and interaction of proteins and nucleic acids, structure of cells, applied biochemistry, molecular biology, etc. Some of the core concepts of biochemistry like functions of biomolecules and metabolic processes have been explained in this book. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline.

Essentials of Enzymology

Enzymology deals with in-depth study and analysis of enzymes and is crucial for the understanding of many physiological processes. The aim of this book is to provide an understanding of the multiple aspects of enzymology through discussions on topics like metabolism, enzyme kinetics, industrial applications, etc. A number of latest researches have been included to keep the readers up-to-date with the global progress in this area of study. This book is an essential guide for both researchers and students who wish to delve deeper into the scientific study of enzymes.

Biochemistry

John Herald

ISBN
978-1-68286-228-5

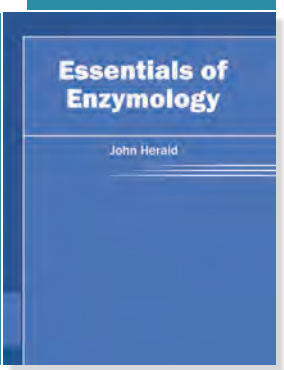
$154.99 US

Pub Year: 2016

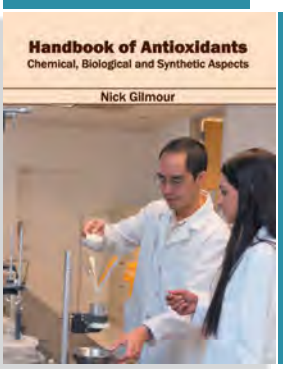
Book Size: 8.5”x11”

260pp. Colored

Hardback



Biochemistry



Nick Gilmour

ISBN
978-1-68286-324-4

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

274pp. Colored

Hardback

Handbook of Antioxidants: Chemical, Biological and Synthetic Aspects

Antioxidants are primarily used as reducing agents. The applications of antioxidants range from food preservatives to stabilizers in lubricants. This book contains some path-breaking studies on antioxidants, their properties and applications. Included in this book are detailed discussions on topics such as antioxidant metabolism, industrial uses of antioxidants, synthesis of antioxidants and their impacts on health, etc. The book presents researches and studies performed by experts across the globe which will help both undergraduate and post graduate students. It will also prove beneficial for professionals and anyone who wants to delve deeper into this field.

Textbook of Analytical Biochemistry

Analytical biochemistry as a field of study incorporates principles, concepts and techniques of biological and biochemical sciences to understand and analyze chemical structures and processes. This book includes various researches and case studies by internationally acclaimed experts from around the globe that aim to provide a comprehensive overview of the discipline. It discusses current advancements in equipment and analytical procedures for determining and evaluating various materials, monitoring and analyzing various chemical and physical processes, etc. Students, researchers and academicians would find this book immensely helpful.

Biochemistry

Jessica Carol

ISBN
978-1-68286-129-5

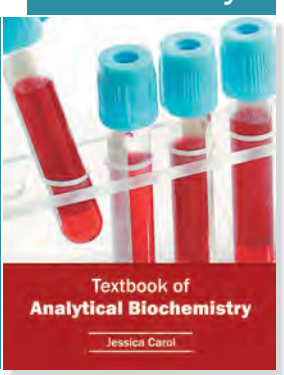
$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

217pp. Colored

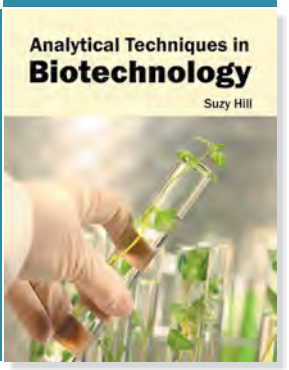
Hardback



Analytical Techniques in Biotechnology

Biotechnology is a rapidly progressing field of science and technology. It integrates principles and applications from diverse fields such as genomics, immunology, and many more. This book strives to equip the reader with thorough knowledge about various techniques of applied biotechnology, its applications in the areas of medicine, agriculture, environment, etc., along with details about the latest equipment and analytical tools which would help the reader gain an in-depth perspective about the subject. This book elucidates new techniques and their applications in a multidisciplinary approach and is apt for students of biotechnology and associated disciplines of study.

Biotechnology



Suzy Hill

ISBN
978-1-68286-238-4

$152.99 US

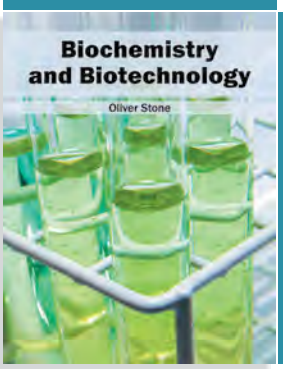
Pub Year: 2016

Book Size: 8.5”x11”

264pp. Colored

Hardback

Biotechnology



Oliver Stone

ISBN
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274pp. Colored

Hardback

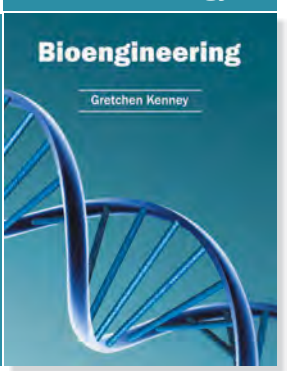
Biochemistry and Biotechnology

Biotechnology and biochemistry are transforming the face of science. These rapidly advancing fields, with their interdisciplinary approach have applications in all major sectors such as agriculture and pharmaceutics. This book integrates the principles of biochemistry and biotechnology. It brings forth the recent concepts and researches in these disciplines and highlights their applications for industrial use. The tools and techniques employed to study microorganisms have also been presented in this all-inclusive book. Some of the most significant aspects of these fields such as enzymes and proteins, cell physiology, genetics etc. have also been discussed. This book will prove to be an advantage text for anyone associated with these fields. Molecular biologists, bioengineers, scientists, researchers and scholars in these fields will find this book helpful.

Bioengineering

Bioengineering is an emerging discipline which encompasses various scientific fields like biomedical engineering, biochemical engineering, bio-electronics, bioprocesses and bionics. It is an integration of biological concepts & theories and engineering principles for developing state-of-the-art technology and equipment in the field of medicine, molecular engineering and genetics, biomechanics, bionics and implants, bioprocesses and bioinformatics. This book includes chapters on interdisciplinary areas like bioreactor design, surface science, fluid mechanics, thermodynamics and polymer science to explicate the principles and applications of bioengineering in a comprehensive manner. It also explores areas in which researches and innovations are being carried out like biomedicine, ecological engineering and diagnostic equipment. This book is an extensive reference guide for students, researchers, experts and academicians who are looking to gain an in-depth knowledge in the field of bioengineering.

Biotechnology



Gretchen Kenney

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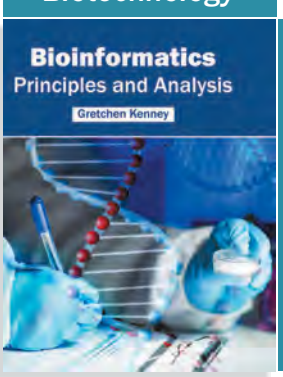
Biotechnology



Gretchen Kenney

ISBN
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Bioinformatics: Principles and Analysis

Bioinformatics is a dynamic field that emphasizes on the use of computational methods and tools to understand and analyze biological data. It has undergone rapid development over the past few decades. This book contains some path breaking studies in mapping and analysing DNA and RNA, genome annotation, gene identification, evolution modeling, etc. It includes contributions of experts and scientists from different parts of the world which will provide innovative insights into this field. The contents of this book will prove to be an invaluable resource for professionals, academicians and students, alike.

Biochemistry, Genetics, Biotechnology and Molecular Biology

Biotechnology

Suzy Hill

ISBN
978-1-68286-078-6

$144.99 US

Pub Year: 2016

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Biological Engineering

Biological engineering diverges into multiple distinct branches such as biomimetics, systems biology, etc. All these branches have significant applications in the modern world. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in the field of biological engineering. Novel topics such as cellular design and synthetic biology, bioproduction, ecological engineering, etc. have been thoroughly elucidated in this book. Those in search of information to further their knowledge in this field will be greatly assisted by the contents of this text. It is an essential guide for both academicians and students who wish to pursue biological engineering further.

Bioprocess Engineering

Bioprocess engineering is an emerging field of study under the discipline of chemical engineering that focuses on creating useful designs for developing products like pharmaceuticals, polymers, etc. using biological substances. This book elucidates the concepts and innovative models around prospective developments with respect to bioprocess engineering. It includes some of the vital topics such as biomolecular engineering, producing enzymes, fermentation technology, etc. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Biotechnology

Edgardo Turner

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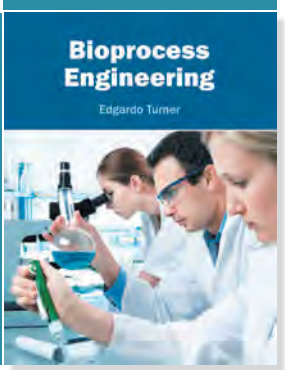
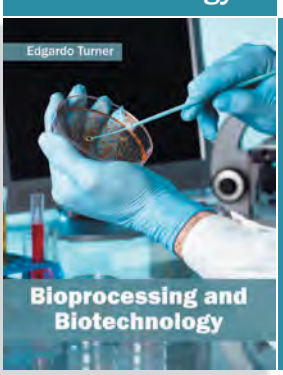


Biotechnology



Edgardo Turner

ISBN
978-1-68286-207-0

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

250pp. Colored

Hardback

Bioprocessing and Biotechnology

Bioprocessing and biotechnology are interdisciplinary fields that have experienced consistent growth in the recent times. The chapters covered in this book encompass some important topics such as bioprocess systems, enzyme manufacturing, renewable fuels and chemicals, environmental engineering, genetic engineering, etc. It compiles state-of-the-art researches and developments in the field of bioprocessing and biotechnology. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge.

Bioresource Technology: Concepts, Design and Applications

As an academic discipline, the scope of bioresource technology is vast and it finds applications across many fields such as agriculture, etc. The aim of this book is to present researches that have transformed this discipline and aided its advancement. Biocatalysis, biotransformation, biosynthesis, bioenergy, etc. are some of the significant topics that have been covered within the book. It presents an overview of bioresource development, processing and utilization. The extensive content of the text provides the readers with a thorough understanding of the subject.

Biotechnology

Elsa Cooper

ISBN
978-1-68286-226-1

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

256pp. Colored

Hardback

Biotechnology: Concepts, Tools and Applications

Biotechnology is a rapidly evolving discipline that focuses on modifying biological organisms for manufacturing useful commodities. This book unravels the recent studies in the field of molecular biology, genomics, proteomics, bioinformatics and applications of biotechnology in medicine, agriculture and other scientific fields. It elucidates new techniques and their applications in a multidisciplinary approach. For all those who are interested in biotechnology, this comprehensive book can prove to be an essential guide.

Biotechnology

Joy Adam

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$152.99 US

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Biotechnology

Daniel McGuire

ISBN 978-1-68286-171-4

$149.99 US

Pub Year: 2016

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Computational Biology

Computational biology is an emerging discipline dealing with applications of computational and data-analysis techniques to study biological systems. It is an interdisciplinary field which includes theories and concepts of molecular genetics, applied mathematics, statistics and computer science. The book presents researches and studies performed by experts across the globe. Diverse approaches, evaluations, methodologies and advancements in modeling biological systems, bioinformatics and genetics have been included in this book. It will prove to be immensely beneficial to students and researchers involved in this field.

Green Biotechnology and Allied Fields

Green biotechnology is focused on devising environment-friendly agricultural practices. It plays a crucial role in dealing with food security issues and reducing the carbon footprint. This book covers the applications of green biotechnology such as plant genetic engineering, producing biofertilizers and biopesticides, hybridization, etc. Students, researchers, biotechnologists and anyone else interested in this field will be assisted by this book.

Biotechnology

Teresa Brocco

ISBN 978-1-68286-322-0

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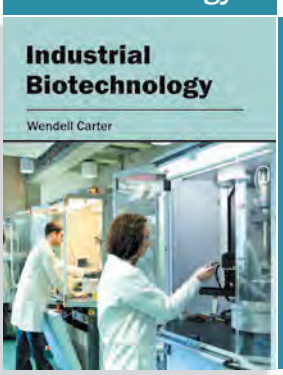
Biotechnology



Wendell Carter

ISBN 978-1-68286-233-9

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

262pp. Colored

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Industrial Biotechnology

Industrial biotechnology also referred to as white biotechnology, uses biological components or organisms to produce relevant products and raw materials for different industrial sectors like chemicals, paper, bioenergy, etc. Medical diagnostics, enzyme formation, food processing, industrial fermentation, biofuel production, etc. are some of the diverse topics covered in this book which aim to address the varied applications of biotechnology. For all those who are interested in the field of industrial biotechnology, this book can prove to be an essential guide that will provide comprehensive knowledge to the readers.

Biotechnology

Wendell Carter
ISBN
978-1-68286-312-1
$154.99 US
Pub Year: 2016
Book Size: 8.5"x11"
279pp. Colored
Hardback

Integrated Biotechnology: Principles and Practices

Biotechnology has become a prominent multidisciplinary field of study and is used widely across various fields. This book aims to elucidate the significant concepts and techniques of biotechnology used in different industries and sectors. It provides the information needed to efficiently translate new research findings into applications in the fields of cellular and tissue engineering, genetic engineering, recombinant DNA technology, microbiology, bioinformatics, etc. The researches and case studies incorporated in this text attempt to highlight the recent advancements in different applications of biotechnology. It will serve as a valuable source of reference for graduate and post graduate students.

Microbial Biotechnology

Microbial biotechnology is an interdisciplinary field of study that incorporates concepts and techniques of microbiology and biotechnology to develop useful products. The topics covered in this extensive book deal with the major applications of microbial biotechnology in drug development, food processing, biocatalysis, etc. The ever growing need of advanced technology is the reason that has fueled the research in this field in recent times. The chapters included herein are appropriate for students seeking detailed information in this area as well as for experts.

Elsa Cooper
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$144.99 US
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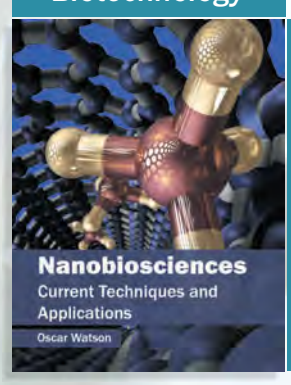
216pp. Colored
Hardback

Biotechnology

Biotechnology



Oscar Watson
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217pp. Colored
Hardback

Nanobiosciences: Current Techniques and Applications

Nanobioscience is an upcoming field which has a wide range of applications in diverse fields such as in medicine, manufacturing materials, etc. This book outlines the processes and latest applications of nanobiosciences in detail. It aims to shed light on some of the unexplored aspects of nanobiosciences and the recent researches in this field through its extensive content which cover diverse topics like synthesis of nanobiomaterials, scanning probe microscopy, nano-mechanics, nanoelectromechanical systems, etc. Scientists and students actively engaged in this field will find this book full of crucial and innovative concepts.

Principles and Practices of Nanobiotechnology

Nanobiotechnology is a rapidly advancing field with widespread applications. This book focuses on innovative applications and approaches in this field. The various studies by international experts that are constantly contributing towards advancing technologies and evolution of this field are examined in detail. Some of the concepts discussed in this book such as engineered biomaterials, nanoparticles, nanostructures, etc. provide an in-depth knowledge of this field. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline.

Giorgio Salati
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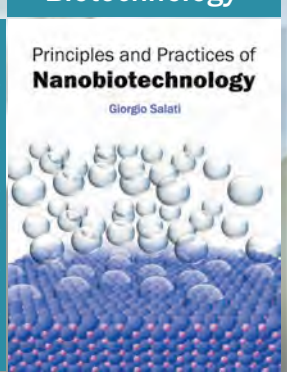
Biotechnology



Principles, Techniques and Practices of Biotechnology

Biotechnology is a fast developing field of research and its applications are finding more and more relevance with the passage of time. From stem cell research to applications in agriculture and medical science, the scope of biotechnology is vast. The topics included in this book like – food and bioprocessing, bioengineering, immobilization, biotechnology, etc. are of utmost significance and are bound to provide incredible insights to readers. This text elucidates the concepts and innovative models around prospective developments with respect to biotechnology. It will benefit biotechnologists, researchers, scholars and scientists in this field.

Biotechnology

Lydell Norris

ISBN 978-1-68286-190-5

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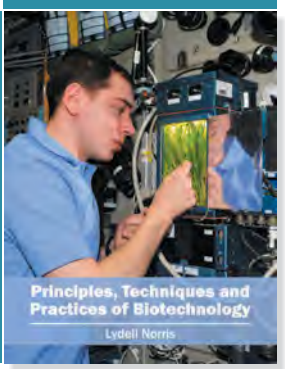
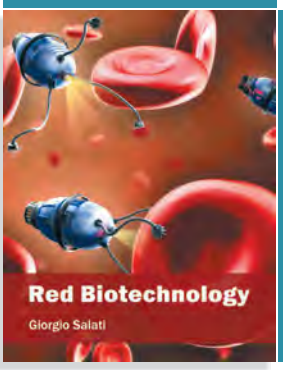


Biotechnology



Giorgio Salati

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253pp. Colored

Hardback

Red Biotechnology

Red biotechnology is a distinct branch of biotechnology that deals with the therapeutic and pharmaceutical application of biotechnology. This book brings forth some of the most innovative concepts and elucidates the unexplored aspects in the field of red biotechnology. Antibiotics and metabolites, enzymes, lipids, toxins, genetic engineering and therapeutic proteins are some of the concepts related to this field included in this book. It includes contributions of experts and scientists which will provide innovative insights and will prove to be immensely beneficial to students and researchers in this field.

Structural Bioinformatics Handbook

Structural bioinformatics is a rapidly progressing field that deals with the determination and analysis of macromolecular biological structures. The chapters included herein discuss concepts of genome research and gene networks, stimulating biological networks, statistical and computational techniques for gene sequence analysis, etc. This book encompasses advanced techniques and instruments for data analysis and observations. It aims to present researches that have transformed this discipline and will serve as a valuable source of reference for graduate and post graduate students.

Biotechnology

Christina Marshall

ISBN 978-1-68286-280-3

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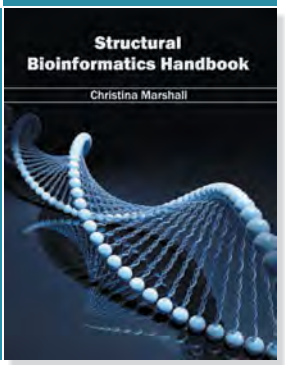
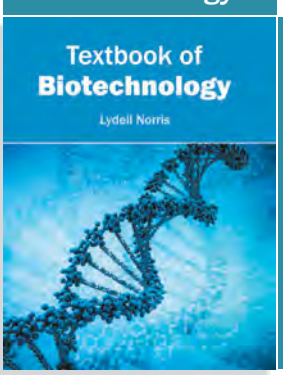


Biotechnology



Lydell Norris

ISBN 978-1-68286-194-3

$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

233pp. Colored

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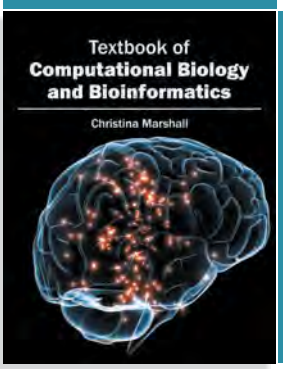
Textbook of Biotechnology

Biotechnology is a rapidly growing discipline that emphasises on modifying and using biological organisms for producing various things. Its applications extend to medicine, engineering, agriculture and other disciplines. This book includes some of the vital pieces of work being conducted across the world, on different topics related to biotechnology and also includes some crucial developments such as advancements in cancer and stem cell research, genomics and proteomics, use of biotechnology in gene therapy, pharmaceuticals, and biosensors, etc. The students and academicians will find this book full of innovative insights.

Biochemistry, Genetics, Biotechnology and Molecular Biology

Biotechnology



Christina Marshall

ISBN
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$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

256pp. Colored

Hardback

Textbook of Computational Biology and Bioinformatics

Bioinformatics aids the discipline of biology by developing tools and techniques to interpret and analyze all types of biological data through numerical and computational modeling. The focus of this book lies in the concepts of genome annotation, structural bioinformatics, comparative genomics, etc. It aims to bring forth the latest researches from across the globe to keep the readers updated with the progress of this field. This text is an apt reference material for students, academicians as well as professionals.

White Biotechnology

White biotechnology is concerned with the practical application of biotechnology in industries. Biofuel production, catabolism, biodegradation of hazardous chemicals, etc. are some of the crucial industrial applications of white biotechnology. This book discusses the fundamentals as well as modern approaches of white biotechnology and also unfolds the innovative aspects of the field while giving the reader a detailed insight into the processing and manufacturing of materials, energy, paper, textiles, etc. This text is indispensable for the students of biotechnology. It will also prove to be a useful tool for scholars and researchers in this field.

Biotechnology

Suzy Hill

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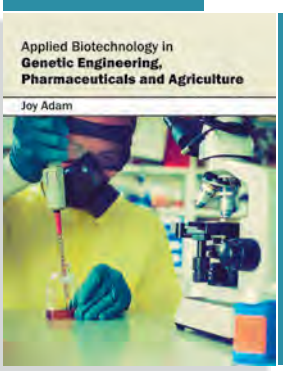
Genetics



Joy Adam

ISBN
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Applied Biotechnology in Genetic Engineering, Pharmaceuticals and Agriculture

Biotechnology has applications in multiple disciplines. This book is focused on applying biotechnology in the areas of genetic engineering, drug discovery and development, and agriculture. The chapters included in this book elucidate new techniques and their applications in a multidisciplinary approach with their current status and prospective developments. It aims to equip students and experts with the advanced topics and upcoming concepts in this area.

Biological Processes and Genetic Engineering

There has been rapid progress in the fields of genetic engineering and biological processes, and their applications are finding their way across multiple industries. This book brings forth path-breaking studies conducted in these subjects. The chapters included herein discuss topics such as biodesign process, cellular design, bioproduction, etc. It will prove to be immensely beneficial to students and researchers pursuing genetic engineering, biology and allied sciences. This text aims to further the scope of research in these disciplines and contribute to their progress.

Genetics

David Rhodes

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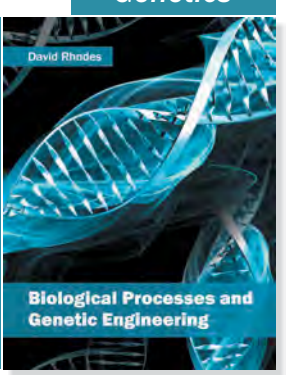

Genetics

Biomaterials in Tissue Engineering and Drug Delivery

This book contains some path-breaking studies related to biomaterials, especially in the areas of drug delivery and tissue engineering. Concepts such as behavior of materials, design of biomaterials, preparation of nanomaterials, etc. have been discussed in a detailed manner. It aims to equip students and experts with the advanced topics and emerging concepts in biomaterial science. This book is highly recommended for graduate and postgraduate students as well as for research scholars.

Ralph Seguin

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213pp. Colored

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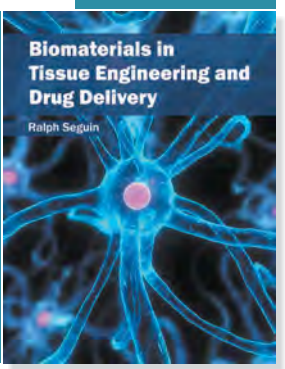
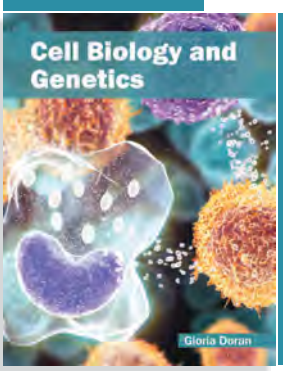


Genetics



Cell Biology and Genetics

Genetics is the branch of biology which deals with the variation and inheritance patterns in organisms. It is an expanding field of research contributing to new discoveries in cellular biology and genomic studies. The book focuses on cellular differentiation, cellular metabolism and DNA markers. It contains latest researches and case-studies on molecular genetics, gene regulation and DNA sequencing. It delves into the historical, theoretical and experimental approaches to understand cell biology and genetics, and brings forth new avenues for further discussion. This book will prove to be an invaluable source of reference for students and researchers interested in this field.

Gloria Doran

ISBN 978-1-68286-079-3

$144.99 US

Pub Year: 2016

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Genetics

Cellular and Tissue Engineering: Concepts and Applications

Tissue engineering combines biological science with engineering applications. This book consists of contributions made by international experts on complex topics such as types of cells, assembly methods, tissue culture, bioreactors, etc. Also included in this book are detailed elaborations of the applications of cellular and tissue engineering like tissue replacement, repair and regeneration, etc. This book attempts to assist those with a goal of delving into the field of tissue engineering.

Shay Fisher

ISBN 978-1-68286-243-8

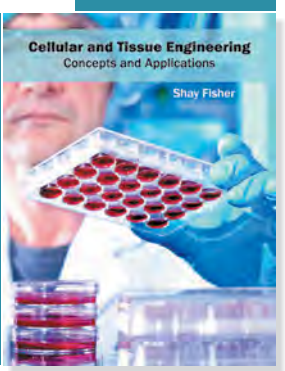
$152.99 US

Pub Year: 2016

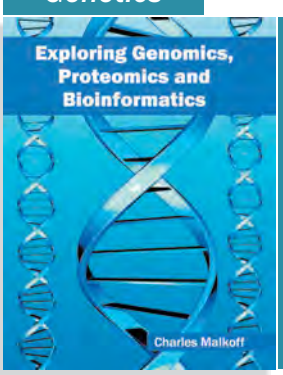
Book Size: 8.5"x11"

267pp. Colored

Hardback



Genetics



Exploring Genomics, Proteomics and Bioinformatics

This book on genomics, proteomics and bioinformatics aims to provide in-depth knowledge in understanding molecular cloning of DNA, functions and structure of proteins and genomes, and biological data. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances and computational methods within this field. The topics included in this book on protein profiling, genome analysis, gene expression, genetic interactions, properties and interactions of proteins are of utmost significance and bound to provide incredible insights to readers. It will prove to be immensely beneficial to students and researchers engaged in this field.

Charles Malkoff

ISBN 978-1-68286-253-7

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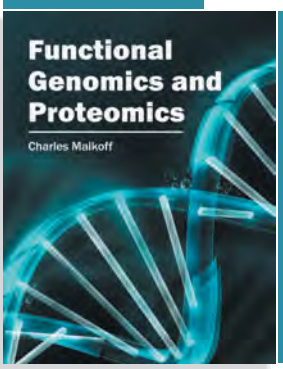
Genetics



Charles Malkoff
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978-1-68286-122-6
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212pp. Colored
Hardback

Functional Genomics and Proteomics

Functional genomics and proteomics play a crucial role in analysing available genetic data and gathering key information for further use. The book emphasizes on the dynamic aspects of genomics and proteomics such as regulation of genes, transcription, translation and protein-protein interactions, large scale protein structures, etc. Researches and case-studies included in this book attempt to provide methods, models and techniques to analyze and gather information from large pool of available genomic data of various organisms. This book provides a detailed explanation on structure determination and structural genomics. Students and researchers will find this book beneficial.

Genetics

Genetic Engineering: Concepts, Tools and Techniques

Genetic engineering has become a very important field of study with its growing applications in biological engineering, medical science and other related fields. This book brings forth some of the most innovative concepts and elucidates the unexplored aspects of genetic engineering such as advanced artificial synthesis of genes, gene therapy, genetic cloning and applications of genetic engineering in various fields like agriculture, medical and biomedical science, etc. It will also provide interesting topics for research which readers can take up.

Rosanna Mann
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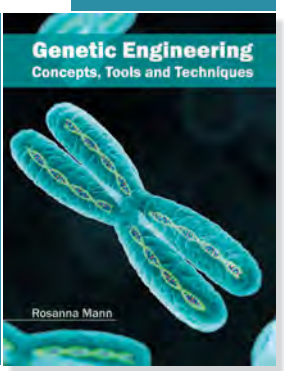
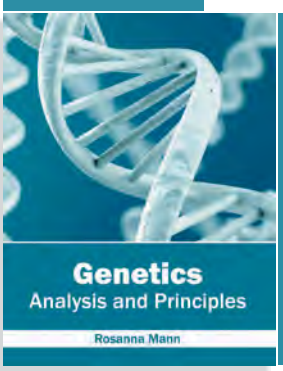


Genetics



Rosanna Mann
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226pp. Colored
Hardback

Genetics: Analysis and Principles

This book covers in detail some existent theories and innovative concepts revolving around the wide field of genetics. It is a compilation of chapters that discuss the most vital concepts, principles and emerging trends in this field of study. Different approaches, evaluations, methodologies and advanced studies on DNA sequencing, transcription pathways and gene interaction have been included in this book. There has been rapid progress in genetics in last few decades and its applications are finding their way across multiple industries. Researches and case-studies by internationally acclaimed researchers are included in this text to highlight the current developments in the field of genetics. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area at various levels.

Genetics

Integrated Researches in Immunology, Physiology and Genetics

The exploration of human body and its processes has been the focus of many experiments and studies worldwide. Different approaches, evaluations, methodologies and advanced studies on a diverse array of topics such as genetics, immunology, evolution, physiology, epidemiology, etc. have been included in this book. It is a collective contribution of a renowned group of international experts and scientists. Students actively engaged in this field will find this book full of crucial and unexplored concepts.

Jim Wang
ISBN
978-1-68286-052-6
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
204pp. Colored
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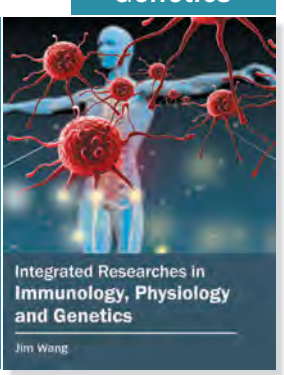

Genetics

Metabolic Engineering

Metabolic engineering is a multidisciplinary field which uses techniques of genetic engineering and mathematical modeling to regulate the metabolic processes of a cell. The regulation of these genetic processes and modification of metabolic networks are used for production of specific substances. This discipline incorporates principles from computational sciences, molecular biology and chemical engineering to alter specific biochemical reactions. This book focuses on recombinant DNA technology, analytical methods and other tools to understand the applications of metabolic engineering. It is a wonderful source of reference for students, researchers and academicians working in this field.

Ralph Becker
ISBN 978-1-68286-153-0
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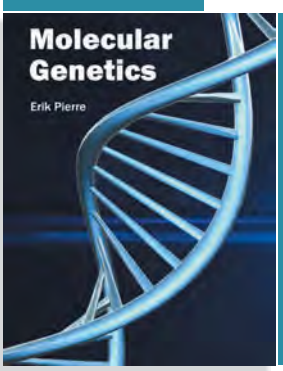
Genetics



Erik Pierre
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Molecular Genetics

Molecular genetics deals with the study of structure of genes on a molecular level. This book provides comprehensive insights into interaction and biosynthesis of proteins, structure of RNA and DNA, polymerase chain reaction, cloning, proteinase activities, and risk factors of hyper-dyslipidemia, etc. The topics included in this book provide a significant overview of the various genetic structures and gene transfer mechanisms. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge for students and academicians alike.

Genetics

Tissue Engineering and Developmental Biology

Tissue engineering has revolutionized the field of medical science. The scientific progress in the development of biomaterials and stem cells has further accelerated the growth of this discipline. This book is dedicated to the emerging trends in different aspects of tissue engineering and developmental biology such as synthesis, spectroscopy, etc. It also focuses on the tools and techniques for regeneration of germlings and seedlings along with autografts. This book aims to serve as a valuable source of reference for students, academicians and researchers.

Shay Fisher
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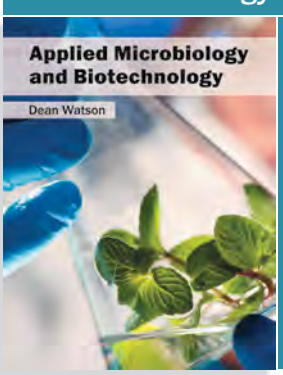
Molecular Biology and Microbiology



Dean Watson
ISBN 978-1-68286-288-9
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Pub Year: 2016
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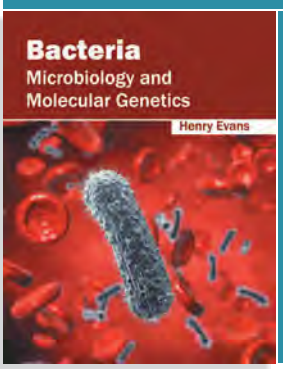
Hardback

Applied Microbiology and Biotechnology

Microorganisms are widely used across different industries for catalysis, biosynthesis and transformation of various compounds and substances into different commodities like pharmaceuticals, biomaterials, etc. This book is a compilation of chapters that discuss the most vital concepts in the interdisciplinary fields of applied microbiology and biotechnology such as production of enzymes, waste management, pharmaceutical applications of microorganisms, and bioprocess engineering, etc. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail. It is an essential guide for both academicians and those who wish to pursue this discipline further.

Molecular Biology and Microbiology



Henry Evans

ISBN
978-1-68286-062-5

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

213pp. Colored

Hardback

Bacteria: Microbiology and Molecular Genetics

The advancements and discoveries in the fields of microbiology and molecular genetics have immensely benefitted mankind with their applications in pharmaceuticals, bioengineering, environmental science, etc. This book brings forth some of the crucial concepts and developments in the study of bacteria and their applications in microbial processes. It is a compilation of some important topics in the field of bacteriology and molecular genetics like bacterial physiology, bacterial endotoxins, cell signalling, etc. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Bacteriology

This book provides a comprehensive overview of the vast field of bacteriology, which deals with identification and application of bacteria in various other fields. It provides significant information of this discipline to help develop a good understanding of concepts of different types of pathogenic bacteria, their physiology, cell signalling, environmental prokaryotes, etc. The chapters included present contributions made by scholars from around the globe. Students, researchers, experts and all associated with bacteriology will benefit alike from this book.

Molecular Biology and Microbiology

Henry Evans

ISBN
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$154.99 US

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278pp. Colored

Hardback

Molecular Biology and Microbiology

David Rhodes

ISBN
978-1-68286-155-4

$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

222pp. Colored

Hardback

Bionanotechnology, Microbiology and Genetic Engineering

This book brings forth some of the most innovative concepts and elucidates the unexplored aspects of bionanotechnology, microbiology, and genetic engineering. The biotechnological applications of microbiology and genetic engineering in the field of pharmaceuticals, bioenergy, food industry, agriculture, etc. have been discussed in this book. The interdisciplinary advances of these fields such as green chemistry, protein engineering, etc. have also been elucidated. It includes contributions of experts and scientists which will provide innovative insights into these fields. It is an essential guide for both research scholars and those who wish to pursue this discipline further.

Cell Biology and Bioengineering: From Concepts to Applications

This book attempts to provide an in-depth insight into the emerging concepts and applications of bioengineering and cell biology. The topics compiled herein, such as gene therapy, cell and tissue culture, molecular biology, embryo-genetics, bioinformatics, etc. are bound to provide a thorough understanding of these two prominent fields. The researches and case studies included in the book give a broad overview of the current advancements in these fields. It will help new researchers by foregrounding their knowledge in these subjects.

Molecular Biology and Microbiology

Samantha Granger

ISBN
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$124.99 US

Pub Year: 2016

Book Size: 8.5”x11”

137pp. Colored

Hardback

Handbook of Molecular Biology and Biochemistry

Molecular biology and biochemistry are two complementary disciplines which help us to understand diverse biological processes. This book aims to elaborate the current developments in cell biology, microbiology, bioengineering, etc. It aims to broaden the horizon of research with the help of advanced inputs by eminent experts. This book elucidates the concepts and innovative models around prospective developments in these fields and will be beneficial for students and academicians pursuing biochemistry, molecular biology, and allied sciences.

Molecular Biology and Microbiology

Samantha Granger
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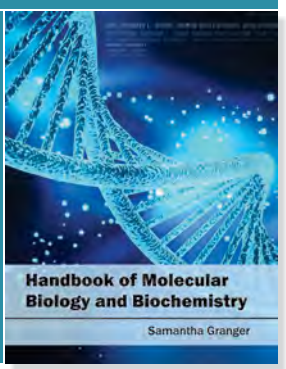

Molecular Biology and Microbiology

Lucy Phillip
ISBN 978-1-68286-134-9
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
218pp. Colored
Hardback

Microbial Engineering: Concepts and Applications

Microbial engineering is an important branch of applied biological sciences and finds applications across a wide range of disciplines, such as agriculture, pharmaceutics, etc. This book contains some path-breaking studies in the field of microbial engineering. Researches revolving around biocatalysis, biotransformation, biosynthesis, etc. have been presented in this book. This book focuses on the applications of microbial engineering for industrial purposes. Students, researchers, experts and all associated with microbial engineering and allied fields will benefit alike from it.

Microbiology and Biotechnology

Biotechnology plays a vital role across various industries to develop and manufacture products that involve biological systems and organisms. Microbial organisms are widely used in food processing and pharmaceutical industries. They are also utilized in distinct industrial processes like fermentation and waste water treatment. Some of the diverse topics encompassed within this book are microbial cell biology, environmental microbiology and engineering, genetics, enzymology, applied genetics, etc. The topics in this book are compiled by internationally renowned panel of authors and industry experts. It will serve as a reference to a broad spectrum of readers.

Molecular Biology and Microbiology

Dean Watson
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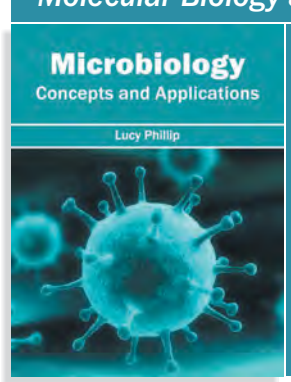
Molecular Biology and Microbiology



Lucy Phillip
ISBN 978-1-68286-156-1
$149.99 US
Pub Year: 2016
Book Size: 8.5”x11”
218pp. Colored
Hardback

Microbiology: Concepts and Applications

Microbiology is a rapidly emerging branch of biology that focuses on study of microorganisms. Encompassing numerous sub disciplines; microbiology has a wide scope of research and application. It has evolved as a discipline of great interest all around the world with its diverse applications in biotechnology, medical and pharmaceutical science. The book aims to present a comprehensive account of various concepts of microbiology and its applications in different industrial processes and other fields. It focuses on microbiological principles and techniques to provide a better understanding of the field. This book is beneficial for students, researchers and professionals engaged in the field of microbiology.

Molecular Biology and Microbiology

Dean Watson
ISBN
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Pub Year: 2016
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219pp. Colored
Hardback

Microbiology: Yeast and Fungi

This book contains some path-breaking studies in the field of microbiology with particular emphasis on yeast and fungi. It traces the progress of this field and highlights some of its key concepts and applications. The chapters included in this book focus on structures and classification of yeast and fungi, their physiology, applications of yeast and fungi in different fields that of utmost significance and bound to provide incredible insights to readers. Some of the diverse topics covered in this book address the varied branches that fall under this category. The book aims to provide a comprehensive overview of the discipline as well as the recent developments and researches in the field of yeast and fungal science.

Molecular Cell Biology

This book aims to elucidate the concepts and recent advances in the fields of molecular and cell biology. Molecular biology is concerned with the study of molecular structures and processes that take place within cells, while cell biology involves the study of physiological properties, structures and functions of cells. It is a compilation of relevant topics such as types of enzyme, protein structures and their functions, metabolic engineering, effect of various substances and factors on cellular activities, etc. which will provide a comprehensive understanding of the subject. Various up-to-date researches and case studies have been included in this book by experts from across the globe that explores the latest developments in these fields. Students, researchers, experts and all associated with molecular cell biology will benefit, alike, from this book.

Molecular Biology and Microbiology

Gloria Doran
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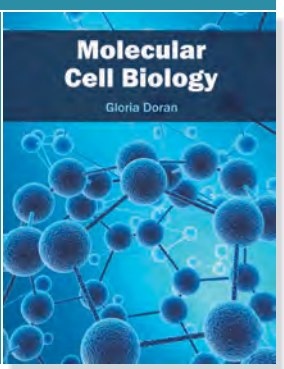
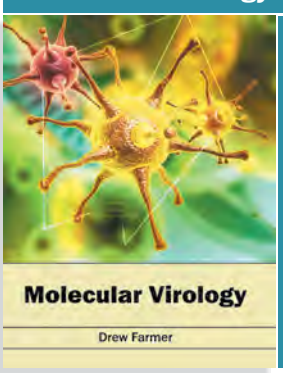


Molecular Biology and Microbiology



Drew Farmer
ISBN
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Book Size: 8.5”x11”
227pp. Colored
Hardback

Molecular Virology

Molecular virology refers to the study of molecular structures and characteristics of viruses. It is aimed at analysing in detail, the specific viral genes and their products. This book provides significant information on molecular virology and provides a comprehensive overview on concepts such as life cycle of viruses, molecular analysis of viruses infecting agricultural crops, use of virus strains for developing vaccines and pharmaceuticals, etc. The book is appropriate for students seeking detailed information in this area as well as for experts.

Parasitology and Vector Biology

Parasitic and vector borne diseases are a major threat to health of humans and other organisms in present day scenario. It is necessary to study these diseases to understand the cause and to ensure better control measures. This book on parasitology and vector biology provides readers with in-depth knowledge of various parasites, their hosts, and the relationship between them. Different approaches, evaluations, methodologies and advanced studies on helminthology, parasitism, DNA sequence markers, and host-pathogen interactions have been included in this book. It will help students and researchers in gaining a comprehensive insight into the field.

Molecular Biology and Microbiology

Cherilyn Jose
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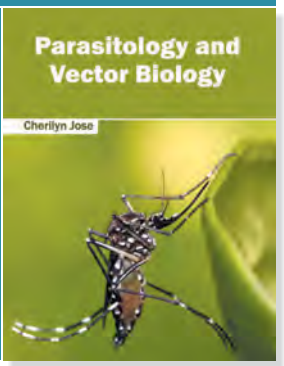
Hardback



Progress and Technological Challenges in Microbial Biotechnology

The recent advances in science and technology have paved way for genetic modification. Microbial biotechnology is concerned with such manipulation for producing useful products for various industries such as pharmaceuticals, food industry, etc. This book focuses on the applications of microbial biotechnology and its industrial uses. It also comprises of topics related to protein engineering, functional genomics, biomaterials, etc. It will serve as an extensive source of reference for students and professionals alike. This text covers topics such as microbes in agrobiotechnology, impact of global warming on microbes, microbes in environmental biotechnology, etc. in a coherent manner. Researchers and students in the field of biotechnology will be greatly assisted by this book.

Molecular Biology and Microbiology

Igor Melnikov

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Hardback

Molecular Biology and Microbiology

Ricky Parks

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978-1-68286-056-4

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

208pp. Colored

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Techniques in Applied Microbiology

Microbiology is a significant branch of science with a diverse range of interdisciplinary applications. This book discusses the applications of microbiology in agriculture, pharmaceutics, food and supplements. It also covers the uses of microbiology in biopolymers, bionanotechnology, green chemistry, etc. The extensive content of this book provides the readers with a thorough understanding of the subject. As this field is developing at a rapid pace, the contents of this book will help the students and academicians associated with the discipline to understand the modern concepts and applications of the subject.

Evolutionary Genetics

Biological Sciences

The study of transformation of genetic variation to evolutionary change is called evolutionary genetics. It is multi-disciplinary in nature consisting topics like evolution of genome structure, the genetic base of specialization and adaptation and genetic change amongst others. The various advancements in this field are glanced at and their applications as well as ramifications are looked at in detail in this text. It also provides an in-depth study of the various processes that are involved in evolutionary genetics like mutation, migration, selection, etc. The aim of this book is to present researches that have transformed this discipline and aided its advancement. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area at various levels.

Richard Arber

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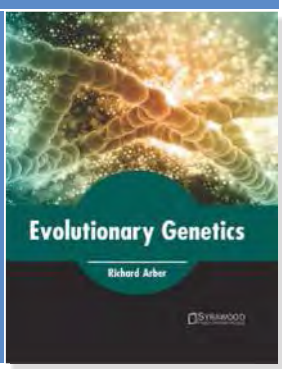
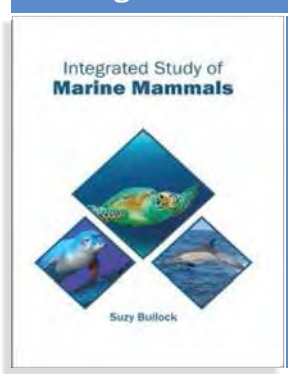


Integrated Study of Marine Mammals

Biological Sciences

This book attempts to study the vast field of marine mammals. The field is a study of marine or aquatic mammals that depends on ocean ecosystems and marine ecosystems for their survival. It has a compilation of topics that is varied in nature catering to the different needs of the readers. The book highlights the classification, evolution and the distribution of habitat of the marine mammals in detail. This text also elucidates strategies and tools to restore the marine mammals on the verge of extinction that are being used by scientists from all over the world. Through this book, we attempt to further enlighten the readers about the new concepts in this field.



Suzy Bullock

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Principles of Computational Biology and Genome Analysis

Biological Sciences

Genome analysis has changed the way biological and anthropological evolution has been perceived. Computational analysis of genetic data has made it possible for the creation of speculative models that can predict possible evolutionary patterns while taking into account natural biological phenomena such as aging, disease and degeneration of the body. This book on computational biology and genome analysis contributes to the fields of computational neuroscience and computational evolutionary biology. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail in this text. It elucidates new techniques and their applications in a multidisciplinary approach. This book is a vital tool for all researching or studying computational biology and genome analysis as it gives incredible insights into emerging trends and concepts.

Daniel McGuire

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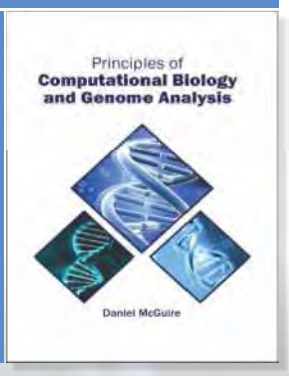
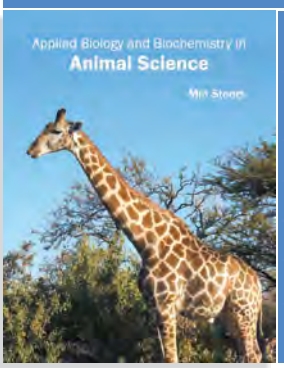


Biological Sciences



Mia Steers

ISBN
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$144.99 US

Pub Year: 2016

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205pp. Colored

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Applied Biology and Biochemistry in Animal Science

Primarily dealing with the study of animal breeding, behavior and welfare, animal science is an extremely important branch of livestock management and zoology. The book will provide practical knowledge to the readers about various applications of animal science through topics like physiology, evolution, pathology, genetics, etc. which have been lucidly covered in this book. It is a collective contribution of an internationally renowned panel of experts. This text is a complete source of knowledge on this field.

Evolutionary Biology

Evolutionary biology is a branch of biology which focuses on origin, variation and evolutionary process of organisms. The topics covered in this extensive book deal with the Darwinian principles and core concepts such as speciation, mutation and taxonomy. The various studies that are constantly contributing towards advanced researches in the field of evolutionary biology are examined in detail in this text. It is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field of ecological and evolutionary trends, evolution of social behavior, etc. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline.

Biological Sciences

Richard Arber

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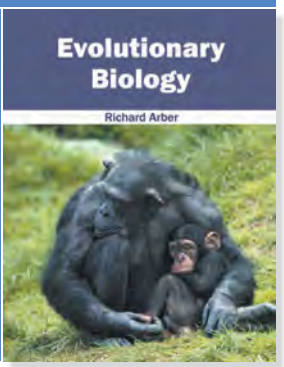

Biological Sciences

Richard Arber

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224pp. Colored

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Evolutionary Biology: Processes, Fields and Applications

As a discipline, evolutionary biology integrates the study of evolution and the principles of biology. It has contributed significantly towards understanding of anatomy and physiology of a multitude of species. This book has been designed for those who want to delve into an advanced study of evolution of life on earth. Also included in the book is a detailed explanation of concepts like molecular genetics, speciation, heritability, etc. It also contains latest studies which will assist the reader in developing a sound understanding of this field.

Modelling Biological Systems: A Computational Approach

Modelling biological systems is an applied scientific field which aims to analyze and stimulate various biological structures and functions using computational and mathematical techniques. This book elucidates the concepts and innovative methods around prospective developments with respect to modelling biological systems. The chapters included trace the progress of this field and highlight some of its key concepts such as modelling genomics and proteomics, modelling and simulation of biological networks, simulating drug interactions with biological systems, ecosystem modelling, etc. This book is an essential guide for both professionals and those who wish to pursue this discipline further.

Biological Sciences

Christina Marshall

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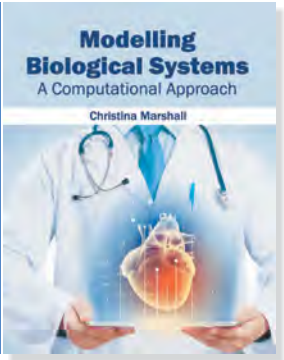

Principles of Plant and Animal Taxonomy

Biological Sciences

Taxonomy is a science that specifically pertains to grouping and nomenclature of organisms. It plays a crucial role in understanding biodiversity, its management and conservation. This book provides significant information to the reader about latest developments of the field as well as important concepts of taxonomy, like alpha taxonomy, beta taxonomy, microtaxonomy, macrotaxonomy, etc. It is an important tool for the students of taxonomy, biology, zoology and associated fields of study. This text will also provide various innovative topics for research which interested readers can take up further.

Austin Balfour
Dominic Fasso

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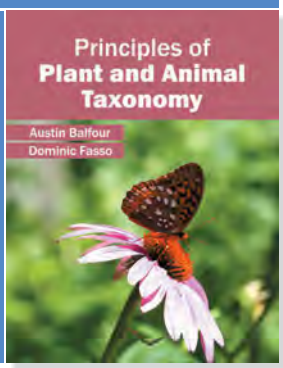
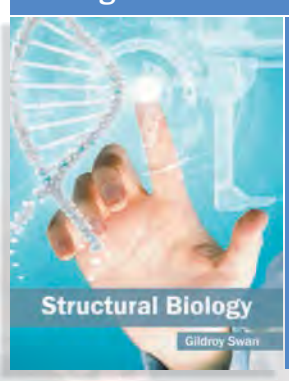


Biological Sciences



Gildroy Swan

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196pp. Colored

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Structural Biology

Structural biology is an interdisciplinary field which incorporates concepts of biochemistry and molecular biology to study and analyze biological structures such as nucleic acids and proteins. This book discusses the fundamental as well as modern approaches to understand structural biology with particular emphasis on macromolecules. It explains in detail some existent theories as well as innovative concepts revolving around structure of protein networks, application of atomic and molecular data and computational modelling. The aim of this book is to present researches that have transformed this discipline and aided its advancement. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Synthetic Biology

Biological Sciences

Synthetic biology is a rapidly evolving discipline which integrates concepts of engineering with that of biology. It is a field which has applications in a number of innovative fields, such as diagnostics, designing innovative biological systems to fabricate materials, etc. This book includes some of the vital researches being conducted across the world, on various topics related to synthetic biology, such as cell design, synthetic DNA, designed proteins, biosensors, etc. As this field is emerging at a rapid pace, the contents of the text will help the readers understand the modern concepts and applications of the subject. It is highly recommended for students and academicians pursuing synthetic biology, biotechnology and allied fields of study.

Daniel McGuire

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978-1-68286-337-4

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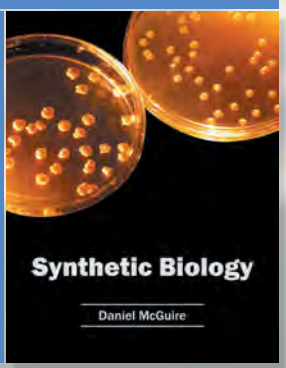
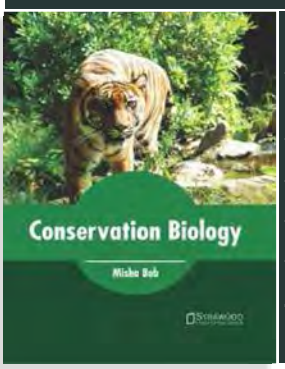


Environmental Sciences



Misha Bob

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Pub Year: 2017

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267pp. Colored

Hardback

Conservation Biology

Conservation biology is a discipline that integrates several fields in order to study the biodiversity on earth. It also delves into preserving species and their respective habitats from extinction. This book is compiled in such a manner, that it will provide in-depth knowledge about the theory and practice of this discipline. Various techniques and strategies of conservation biology are elucidated in the text like systematic conservation planning, measuring extinction rates, etc. The book aims to shed light on some of the unexplored aspects of this field and the recent researches in this area. This book includes contributions of experts and scientists which will provide innovative insights into this field. It is an essential guide for both academicians and those who wish to pursue conservation biology further.

Conservation Science: Sustaining Biodiversity and Species Extinction

The study of protection of biodiversity is called conservation sciences. It is interdisciplinary in nature. This book elucidates new techniques and their applications in a multidisciplinary approach for a better understanding of conservation science. It aims to provide its readers a broad spectrum of topics dealing with care, protection and conservation of species and ecosystem. The text highlights in detail the various processes by which the nature and its resources could be preserved and maintained. This book is a vital tool for all researching or studying this science as it gives incredible insights into emerging trends and concepts. A number of latest researches have been included to keep the readers up-to-date with the global concepts in this area of study.

Environmental Sciences

Neil Griffin

ISBN
978-1-68286-421-0

$155.99 US

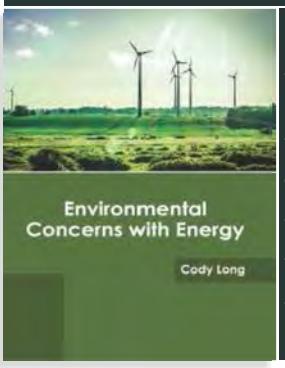
Pub Year: 2017

Book Size: 8.5”x11”

263pp. Colored

Hardback

Environmental Sciences



Cody Long

ISBN
978-1-68286-494-4

$144.99 US

Pub Year: 2017

Book Size: 8.5”x11”

226pp. Colored

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Environmental Concerns with Energy

This book on environmental concerns with energy discusses the energy generation practices and the level of pollution that such industries cause. The major sources of energy generation on earth is still coal, oil and natural gas and the burning of fossil fuels causes considerable damage to the earth’s atmosphere. Efficient energy practices aim to reduce emissions while providing sustainable energy. Technological innovation and progress are the pillars that will facilitate efficient energy production. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in this field. It elucidates new techniques and their applications in a multidisciplinary approach. For someone with an interest and eye for detail, this book covers the most significant topics in this field. It will help new researchers by foregrounding their knowledge in this branch.

Environmental Monitoring and Control

Environmental Monitoring evaluates the quality of the environment along with the impact of human activities on it. The increasing environmental degradation has fueled the research in this field. It includes the monitoring of air, water, soil, etc. This book attempts to understand the multiple branches that fall under the discipline of environmental monitoring and how such concepts have practical applications. It elucidates the concepts and innovative models around prospective developments with respect to this field. This book will serve as a reference to a broad spectrum of readers including environmentalists, ecologists, researches, professionals and students associated with this field at various levels.

Environmental Sciences

Kane Harlow

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978-1-68286-472-2

$150.99 US

Pub Year: 2017

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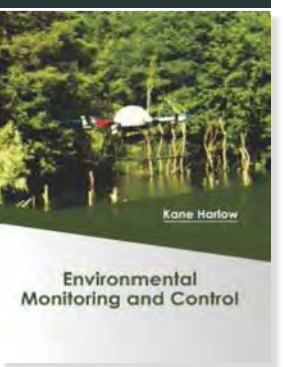
243pp. Colored

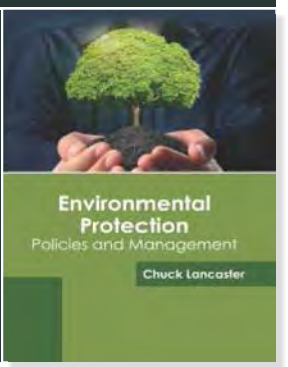
Hardback



Environmental Sciences

Environmental Protection: Policies and Management

Environmental protection is an extensive field of study. The rapidly increasing pollution and waste have resulted in severe degradation of the environment. Thus, effective strategies and plans need to be developed and implemented in order to conserve the environment from further damage. This book attempts to understand the multiple branches that fall under the discipline of environmental protection and how such concepts have practical applications. It includes some of the vital pieces of work being conducted across the world, on various topics related to this area of study. For all readers who are interested in environmental protection, the case studies included in this book will serve as excellent guide to develop a comprehensive understanding.



Chuck Lancaster

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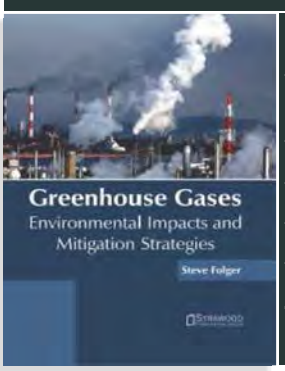
Environmental Sciences



Steve Folger

ISBN 978-1-68286-419-7

$154.99 US

Pub Year: 2017

Book Size: 8.5”x11”

254pp. Colored

Hardback

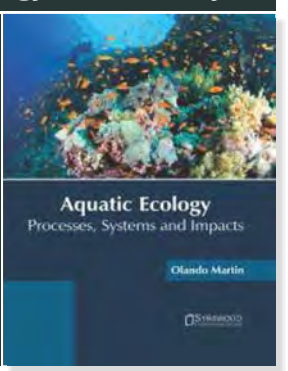
Greenhouse Gases: Environmental Impacts and Mitigation Strategies

The gas that emits and absorbs radiation within the thermal infrared range in the atmosphere is called greenhouse gas. This process causes the greenhouse effect. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in this field of greenhouse gases and emissions. The topics covered in this extensive book deal with the various environmental repercussions that are caused by greenhouse gases. It aims to provide a detailed description of various impacts caused by greenhouse gases; some of them are climate change, higher risks of forest fire, etc. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book.

Ecology and Forestry

Aquatic Ecology: Processes, Systems and Impacts

This book on aquatic ecology discusses topics related to the maintenance and management of freshwater and marine ecosystems. All life forms that reside in these ecosystems require maintenance and well-being of their respective ecosystems. The maintenance and conservation of aquatic ecosystems is of vital importance for the ecological balance and biodiversity of earth. This book outlines the process of aquatic ecology in detail. It consists of contributions made by international experts. While understanding the long-term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. Researchers in the field of fisheries, marine biology and conservation management will find the topics in this book very useful. This book on aquatic ecology is appropriate for students seeking detailed information in this area as well as for experts.



Olando Martin

ISBN 978-1-68286-427-2

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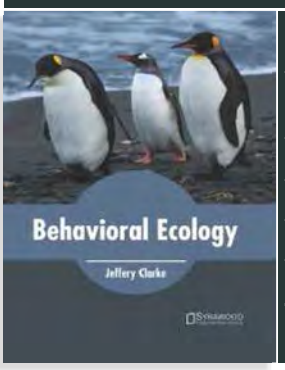
Ecology and Forestry



Jeffery Clarke

ISBN 978-1-68286-422-7

$152.99 US

Pub Year: 2017

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245pp. Colored

Hardback

Behavioral Ecology

The study of evolution for animal behavior owing to the ecological factors is called behavioral ecology. This book includes some of the vital pieces of work being conducted across the world, on various topics related to behavioral ecology and its multi-faceted aspects. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. The book sheds light on different dimensions of behavioral ecology which compel the animals to behave in a particular way like competition for resources, sexual selection, etc. The extensive content of this book provides the readers with a thorough understanding of the subject. It is appropriate for students seeking detailed information in this area as well as for experts.

Ecology and Forestry

Isaac Hughes

ISBN
978-1-68286-424-1

$139.99 US

Pub Year: 2017

Book Size: 8.5”x11”

205pp. Colored

Hardback

Ecosystem Engineering

Ecosystem engineering can be defined as any intervention in nature by living organisms to modify and alter a habitat. This book on ecosystem engineering discusses the various methods of interaction between humans and nature and its relation to restoration ecology, preservation and habitat management. The various advancements in ecosystem engineering are glanced at and their applications as well as ramifications are looked at on detail in this text. It aims to shed light on some of the unexplored aspects and recent researches in this field. Students and researchers in the field of biodiversity, wildlife preservation, microbiology and natural habitat management will find this book very useful. This book attempts to assist those with a goal of delving into the field of ecosystem engineering.

Ecosystem Modeling: Theory and Practice

Ecosystem modeling is a method whereby entire ecosystems are studied through mathematical models. Newer concepts are generated on the basis of ecosystem modeling as it facilitates a better understanding of the ecosystem. This book on ecosystem modeling presents interdisciplinary viewpoints on the potential benefits and processes of ecosystem modeling. Different approaches, evaluations, methodologies and advanced studies have been included in this text. It covers in details some existence theories and innovative concepts revolving around ecosystem modeling. This book would prove useful for professionals and students in the fields of ecosystem engineering, restoration ecology and computational biology. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline.

Ecology and Forestry

Rosemary Charles

ISBN
978-1-68286-425-8

$154.99 US

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256pp. Colored

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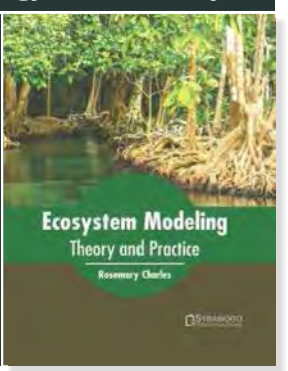
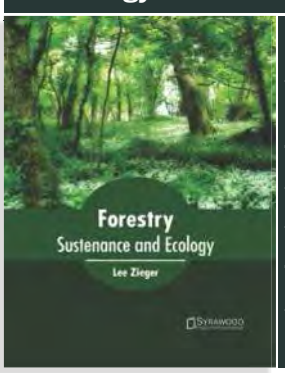


Ecology and Forestry



Lee Zieger

ISBN
978-1-68286-426-5

$155.99 US

Pub Year: 2017

Book Size: 8.5”x11”

269pp. Colored

Hardback

Forestry: Sustenance and Ecology

Forestry is defined as the management and conservation of forests for human and environmental benefits. Forests are vital for ecosystem functioning. This book on forestry focuses on practices of conservation, landscape management and other practices related to forestry. Urbanization, waste management and pollution are other concerns that are faced by forestry. This book is a valuable compilation of topics, ranging from the basic to the most complex advancement in this field. Some of the diverse topics covered herein address the varied branches that fall under this category. This text studies, analysis, upholds the pillars of forestry and its utmost significance in modern times. Experts and researchers in the fields of agricultural soil sciences, forest ecology and ecological risk assessment will find this book to be especially useful.

Physical Geography and Biodiversity

This book on physical geography and biodiversity deals with the study of terrestrial weather systems and its relation to natural habitats and feeding patterns of animals. The latest research in this field has yielded data that is capable of highlighting areas of potential risk as well as diversity-rich regions. The drive for greater technical input in order to aid the study of the various ecological systems has led to the development of geographical information systems, databases and computer models. Themes included in this book discuss the global impact of species extinction, climate change and animal migration. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in the field of physical geography. It will serve as a valuable source of reference for graduate and post graduate students.

Ecology and Forestry

Carlos Wyatt

ISBN
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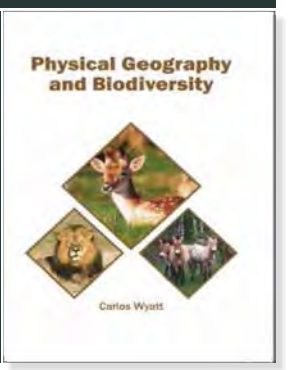

Ecology and Forestry

Spatial and Landscape Ecology

This book discusses the fundamentals as well as modern approaches of spatial and landscape ecology. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. Spatial ecology refers to that branch of ecology, which deals with the study of spatial patterns and their relation to ecological occurrences. On the other hand, landscape ecology refers to the study of interactions between ecological processes and ecosystems. It is an essential part of systems science. This book aims to develop the relationship between spatial and landscape ecology and its utmost significance in modern times. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail in the text. As this field is emerging at a fast pace, this book will help the readers to better understand the concepts of spatial and landscape ecology. Scientists and students actively engaged in this area will find the book full of crucial and unexplored concepts.

Alex Vedder

ISBN 978-1-68286-428-9

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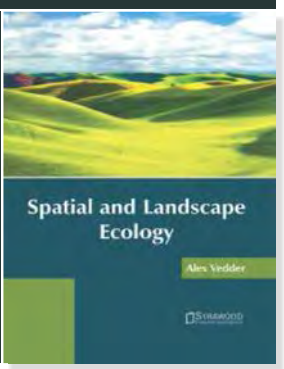
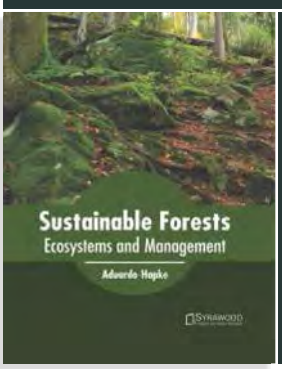


Ecology and Forestry



Aduardo Hapke

ISBN 978-1-68286-416-6

$144.99 US

Pub Year: 2017

Book Size: 8.5”x11”

227pp. Colored

Hardback

Sustainable Forests: Ecosystems and Management

There has been tremendous rise in environmental concerns over the past decade. Sustainable forestry aims to overlook the management of forests in a manner which is least harmful for the environment and fruitful to mankind at the same time. This book contains some path-breaking studies in the field of sustainable forestry and management and highlights some of its key concepts and applications. While understanding the long-term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. It will help the readers in keeping pace with the rapid changes in this field. This book will serve as a valuable source of reference to a broad spectrum of readers including environmentalists, ecologists, researchers, conservationists, professionals and students associated with the field of forestry at various levels.

Ecology and Forestry

Textbook of Biodiversity

Biodiversity refers to the vast variety that is present in the flora and fauna of the earth’s environment. Wildlife and forests are unevenly distributed around the earth and changes in environment as well as human activity can drastically alter the habits and habitat of both. This book on biodiversity, discusses the system of classification and management that has been practiced by experts in this field in the past few decades. This book is a complete source of knowledge on the present status of this important field. It traces the progress of this field and highlights some of its key concepts and applications and it elucidates the multidisciplinary aspects of biodiversity. This book is a vital tool for all researching or studying this field as it provides incredible insights into emerging trends and concepts.

Jason Hendon

ISBN 978-1-68286-423-4

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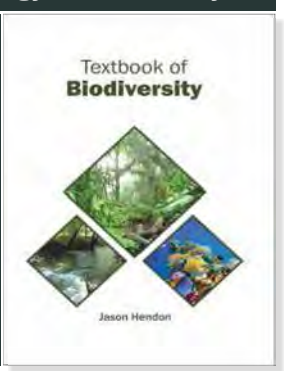
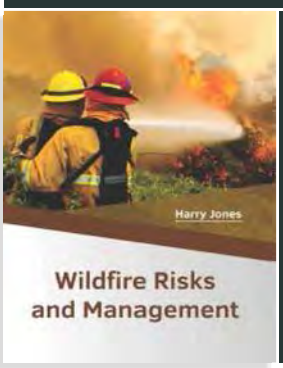


Ecology and Forestry



Harry Jones

ISBN 978-1-68286-417-3

$144.99 US

Pub Year: 2017

Book Size: 8.5”x11”

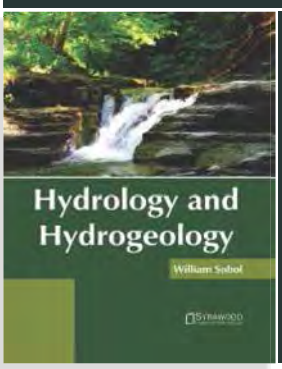
234pp. Colored

Hardback

Wildfire Risks and Management

Wildfire risks include human activity and natural developments around forest areas that cause fire hazards. Wildfire risks and management deals with the constant threat of wildfires and its risk for wildlife, the environment and the community at large. Strategies for minimizing such damage include methods of early detection, suppression, fire retardation and controlled wildfires. The various advancements in wildfire risks assessment and management are glanced at and their applications as well as ramifications are looked at in detail. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in this field. The extensive content of this book provides the readers with a thorough understanding of the subject. This book will provide guidance to specialists and students researching in grassland management, sustainable forestry, wildlife management, wildfire management, resource management and risk management.

Water Resource Management



William Sobol

ISBN
978-1-68286-463-0

$144.99 US

Pub Year: 2017

Book Size: 8.5”x11”

230pp. Colored

Hardback

Hydrology and Hydrogeology

This book traces the progress of hydrology and hydrogeology and highlights some of their key concepts and applications. Hydrology refers to the study of the movement, quality and distribution of the water on our planet as well as other celestial bodies. The three main sub-fields of hydrology are ground water hydrology also known as hydrogeology, surface water hydrology and marine hydrology. This text will provide significant information about these rapidly growing fields. It will give in-depth knowledge about the latest advances within this area and its uses in earth sciences. The book is an essential guide for both academicians and those who wish to pursue this discipline further. In this book, using case studies and examples, constant effort has been made to make the understanding of the different concepts of hydrology and hydrogeology as easy and informative as possible, for the readers.

Limnology and Freshwater Ecology

Limnology is a part of environmental sciences. It is concerned with the study of inland water bodies, like lakes, rivers, floodplains, wetlands, reservoirs, ponds, etc. Freshwater ecology is a branch of limnology. This book combines these two disciplines and analyses the various chemical, geological, biological and other attributes of water bodies. This book aims to shed light on some of the unexplored aspects of limnology and the recent researches in this field. The various advancements made in this area are glanced at and their applications as well as ramifications are looked at in detail in the text. Those in search of information to further their knowledge will be greatly assisted by this book. This book, with its detailed analyses and data will prove immensely beneficial to professionals and students involved in this area at various levels.

Water Resource Management

Simon Oakenfold

ISBN
978-1-68286-429-6

$150.99 US

Pub Year: 2017

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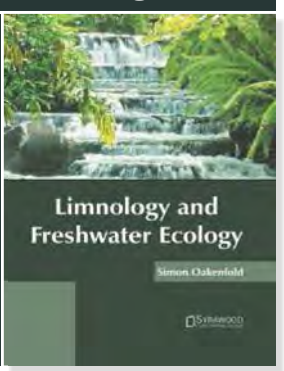
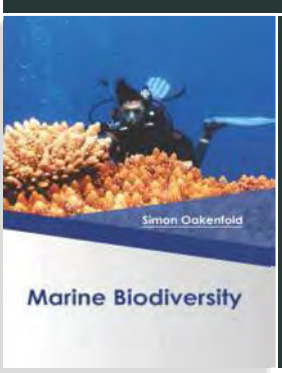


Water Resource Management



Simon Oakenfold

ISBN
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$155.99 US

Pub Year: 2017

Book Size: 8.5”x11”

265pp. Colored

Hardback

Marine Biodiversity

The richness of the species and the abundance of the world’s oceans and seas are referred to as marine biodiversity. It is important to study and preserve the marine biodiversity because like other resources of earth, marine resources too are facing the threat of extinction. For all readers who are interested in marine biodiversity, the case studies included in the book will serve as an excellent guide to develop a comprehensive understanding. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in this field. Different approaches, evaluations, methodologies and advanced studies on marine biodiversity have been included in this book. This book includes contributions of experts and scientists which will provide innovative insights into this field.

Natural Water Resources: Challenges and Concerns

Natural water resources are the main source of the water on our planet. As we are facing a water crisis, it is important to utilize the current water resources judiciously and planning for the future as well. Natural water is rapidly depleting, and thus, new concepts and methods are required to compensate for the loss and to conserve the resources like rivers, lakes and swamps. This book will provide significant information on the challenges we face in achieving these goals and also the solutions required for the same. It will also provide interesting topics for research, which readers can take up. In the text, using case studies and examples, constant effort has been made to make the understanding of the difficult concepts of this subject, as easy and informative as possible, for the readers. A number of latest researches have been included to keep the readers up-to-date with the global concepts in this area of study.

Water Resource Management

Herbert Lotus

ISBN
978-1-68286-430-2

$155.99 US

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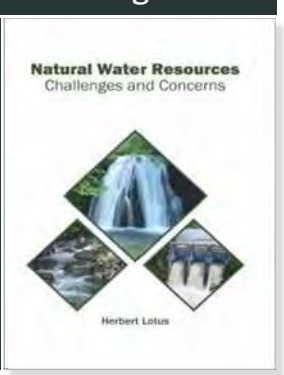


Water Resource Management

Water Quality and Pollution

Water is a basic requirement for sustaining life on earth. It is required for different important processes like drinking, cooking, cleaning, washing, etc. Therefore, the depleting condition of water is a major concern in present times. It is extremely important to conserve the quality and quantity of water bodies on this planet. This book will give detailed information on the various causes responsible for water pollution and will provide different solutions to conserve water. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail in the text. Those in search of information to further their knowledge will be greatly assisted by it. The text will prove to be immensely beneficial to students and researchers in this area.

Sheryl McMillan

ISBN
978-1-68286-432-6

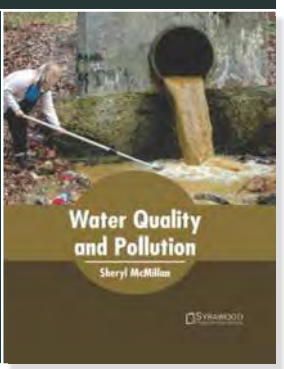
$150.99 US

Pub Year: 2017

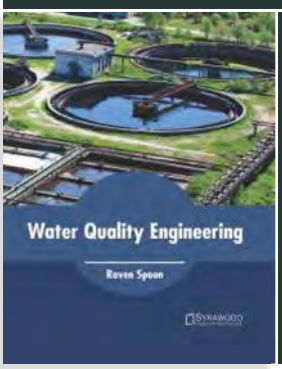
Book Size: 8.5”x11”

242pp. Colored

Hardback



Water Resource Management



Raven Spoon

ISBN
978-1-68286-445-6

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Book Size: 8.5”x11”

266pp. Colored

Hardback

Water Quality Engineering

This book explores all the important aspects of water quality engineering in the present day scenario. It is an emerging field which studies the varied characteristics and processes of water. This book will provide interesting topics for research which interested readers can take up. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. This book is a compilation of topics that not only deals with water quality engineering but provide a detailed and comprehensive analysis of the multiple branches related to it. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Pollution and Waste Management

Air Pollution: Impacts, Analysis and Control Strategies

Air pollution is one of the most challenging problems we face today. It is the root cause of many deadly diseases like asthma, lung cancer, chronic obstructive pulmonary disease, etc. This text will give insightful information about the causes, impacts, analysis and control strategies with respect to air pollution. It will present researches and studies performed by experts across the globe on this issue. The book attempts to assist those with a goal of delving into the field of air pollution. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge. It will serve as a resource guide for ecologists, environmentalists, conservationists, researchers, experts, academicians and students associated with the field of air pollution at various levels.

Bernie Goldman

ISBN
978-1-68286-431-9

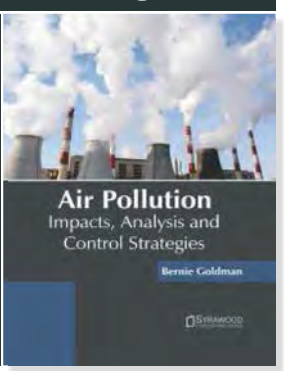
$150.99 US

Pub Year: 2017

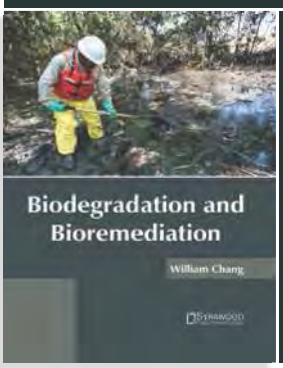
Book Size: 8.5”x11”

244pp. Colored

Hardback



Pollution and Waste Management



William Chang

ISBN
978-1-68286-452-4

$150.99 US

Pub Year: 2017

Book Size: 8.5”x11”

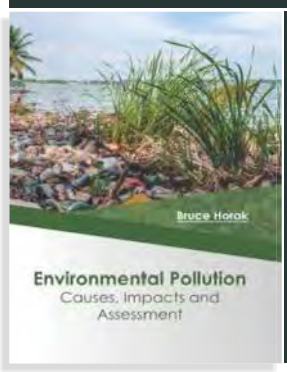
242pp. Colored

Hardback

Biodegradation and Bioremediation

This book on biodegradation and bioremediation focuses on environmental pollution, phytoremediation and rate of degradation in differing ecosystems. The assessment of the quality of biodegradability provides for better recycling processes as well as waste management techniques. Biodegradation is the process by which microorganisms decompose materials. Bioremediation is a waste management technique based on the principles of biodegradation. Both these processes are extremely significant for environmental sustainability. Some of the diverse topics covered in this text address the varied branches that fall under this category. The various advancements in this discipline are glanced at and their applications as well as ramifications are looked at in detail. This book on biodegradation and bioremediation would prove helpful for students and teachers in the field of ecological sciences, waste management and environmental engineering. A number of latest researches have been included to keep the readers up-to-date with the global concepts in this area of study.

Pollution and Waste Management



Bruce Horak

ISBN
978-1-68286-415-9

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Pub Year: 2017

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Hardback

Environmental Pollution: Causes, Impacts and Assessment

Environment pollution is defined as the introduction of any pollutants into the earth’s atmosphere which has adverse effects on the environment. This book on environmental pollution discusses the consequences and damage-assessment of hundreds of years of waste disposal and technological progress that has occurred. This book sheds light on the causes and impacts of environmental pollution. It unravels the recent studies and unfolds some innovative aspects in the field. This text presents researches and case studies contributed by experts from across the globe. It attempts to understand the multiple branches that fall under the discipline of environmental pollution. Those in search of information to further their knowledge will be greatly assisted by this book. Researchers and students in the fields of urban studies, environmental and ecological engineering, conservations, habitat management and wildlife preservation will find this book especially helpful.

Hazardous Waste: Evaluating Environmental Risks

This book on hazardous waste discusses the diverse aspects of hazardous waste removal and its impact on human and environmental health. Hazardous waste is a primary concern of environmentalists across the globe. Environmental monitoring has various tools to sample, survey and assess environmental damage and toxicity levels. This book address carried topics such as assessments of toxic waste management and the tools and technologies that are used for the same purpose. Different approaches, evaluations, methodologies and advanced studies on evaluation and mitigation of hazardous waste and its impacts have been included in this book. It is a compilation of chapters that discuss the most vital concepts and emerging trends in this area of study. For all those who are interested in this field, this book can prove to be an essential guide.

Pollution and Waste Management

Victor Bonn

ISBN
978-1-68286-482-1

$150.99 US

Pub Year: 2017

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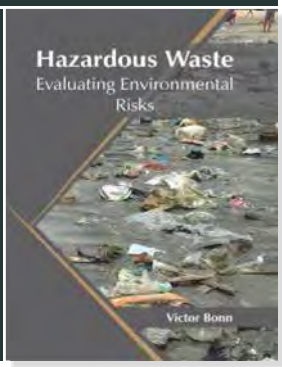
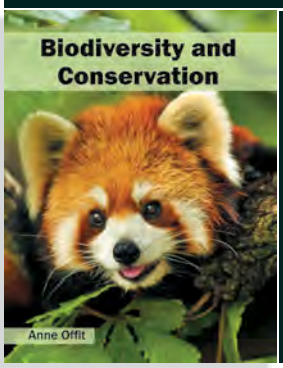


Environmental Sciences



Anne Offit

ISBN 978-1-68286-277-3

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

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Biodiversity and Conservation

Theories, research, practical applications, and case studies related to all contemporary topics of relevance to biodiversity and conservation, have been included in this book. The chapters included in this book on environmental management and planning, green technology, environmental health, sustainable development, etc. provide an exhaustive insight into this field. A number of latest researches have been included to keep the readers up-to-date with the global concepts in this area of study.

Biodiversity: Protection and Restoration Techniques

Scientists, ecologists and various agencies working for environmental conservation have been constantly monitoring and evaluating the present status of biodiversity of diverse living organisms. The main objective of this book is to focus on various protection and restoration techniques and measures for sustaining biodiversity such as information technology and its applications in environmental management, green technologies for environmental conservation, environmental health and sustainability, etc. Researches and case-studies that focus on topics of contemporary relevance in the field of biodiversity and environmental conservation are also included in it. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline.

Environmental Sciences

Neil Griffin

ISBN 978-1-68286-341-1

$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

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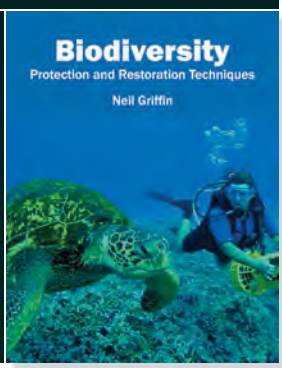
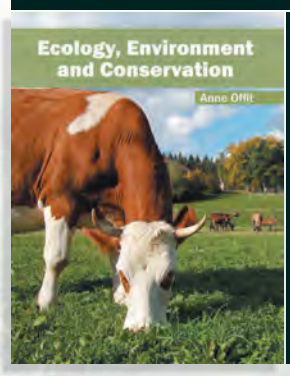
Hardback



Environmental Sciences



Anne Offit

ISBN 978-1-68286-061-8

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

210pp. Colored

Hardback

Ecology, Environment and Conservation

This book integrates some of the key issues and concepts pertaining to ecology, environment and conservation. The rapid degradation of natural resources, diminishing reserves of conventional fuel and mineral sources, and the impoverished state of environmental health has necessitated the re-evaluation of damage caused by various industrial and human activities. The topics covered in this extensive book deal with some of the crucial aspects such as emerging trends in recycling and waste management, strategies to improve sustainability and productivity, diverse branches of ecology, population dynamics and utilization of natural resources, green house effects, etc. From theories to researches to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. This book is a resource guide for experts as well as students.

Environment and Biodiversity

Earth is home to a wide variety of species and all of them play a crucial part in maintaining equilibrium in their surrounding environment and respective biomes i.e., ecosystems. This book traces the progress of this field and highlights some of its key aspects such as environmental conservation, management and planning, environmental health and biodiversity, etc. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. For someone with an interest and eye for detail, this book covers the most significant topics in the field of environment and biodiversity.

Environmental Sciences

Neil Griffin

ISBN 978-1-68286-279-7

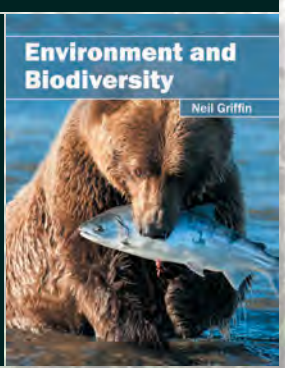
$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

274pp. Colored

Hardback



Environmental Change

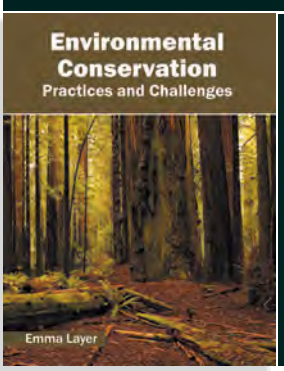
Human activities as well as natural ecological processes cause disturbances in the balance of the environment. Climate change is a primary result of such activities which have further negative impact on the environment. Topics such as environment quality management, ecological impacts of pollutants, waste management, climate change, etc. have been discussed in detail in this book. Scientists and students actively engaged in this field will find this text full of crucial and unexplored concepts. It will also prove beneficial for environmentalists, ecologists, climatologists, etc.

Environmental Sciences

Rosemary Charles

ISBN
978-1-68286-174-5
$149.99 US
Pub Year: 2016
Book Size: 8.5”x11”
222pp. Colored
Hardback

Environmental Sciences



Emma Layer

ISBN
978-1-68286-283-4
$152.99 US
Pub Year: 2016
Book Size: 8.5”x11”
275pp. Colored
Hardback

Environmental Conservation: Practices and Challenges

Environmental conservation as a discipline is concerned with the improvement, conservation and protection of natural resources. The topics included in this book on green energy, marine biology, biomass and renewable energy sources are of utmost significance and bound to provide incredible insights to readers. For all readers who are interested in environmental conservation, the researches included in this book will serve as an excellent guide to develop a comprehensive understanding of this important field. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge.

Environmental Criticism

Increasing issues of environmental degradation and global warming have extended the scope of environmental studies. Researchers and scholars are involved in spreading awareness regarding threats to the environment and devising preventive measures that will determine the future of our planet. Some of the major concerns of the environmentalists is to deal with challenges like deforestation, melting of glaciers and change in global climate. This book includes theories, practices and policies related to this field. It focuses upon the controversial and critical issues in different ecological areas. This text is beneficial for students to understand the consequences of human activity on the environment.

Environmental Sciences

Alicia Brooks

ISBN
978-1-68286-301-5
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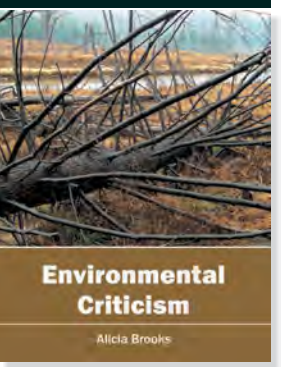
Hardback



Environmental Sciences

Chuck Lancaster

ISBN
978-1-68286-302-2
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
274pp. Colored
Hardback

Environmental Engineering

This book provides a detailed insight into the emerging field of environmental engineering. It delves into various aspects of environmental science, engineering and technology, management principles, etc. It aims to collate important topics to understand adverse environmental effects and improve environmental quality. It attempts to devise measures for environmental protection and offer contemporary solutions to ensure public health and efficient industrial operations. The book compiles various researches and case-studies concerning development and management of environmental engineering, and presents methodologies and models to analyse the current advancements and upcoming fields of study in this discipline. Students, researchers and academicians will find this book immensely helpful.

Environmental Sciences

Emma Layer
ISBN 978-1-68286-211-7
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
253pp. Colored
Hardback

Environmental Management

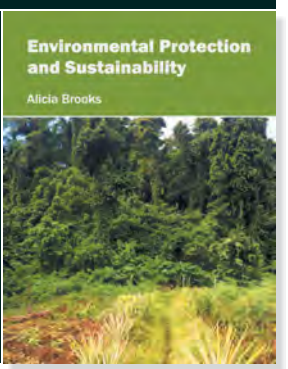
Environmental management is an emerging field of study in the discipline of environmental science. It is concerned with the planning and management of environmental resources for sustainable development. There is a growing emphasis on preventing and assessing the harmful effects of human activities. This book brings forth some of the most innovative aspects in the field of environmental management such as developing sustainable energy resources, assessment of various ecosystems, etc. It will serve as a valuable source of reference for graduate and post graduate students.

Environmental Protection and Sustainability

Environmental protection is increasingly becoming a prominent field of study within the discipline of environmental sciences for sustenance of natural resources and conservation of environment. The aim of this text is to present researches that have transformed this field of study and aided its advancement. The chapters included herein are a valuable compilation of concepts and methods for environmental sustainability. Green technology, environmental health, environmental planning and management, etc. are some of the significant concepts that have been discussed. This book will serve as a reference to a broad spectrum of readers.

Environmental Sciences

Alicia Brooks
ISBN 978-1-68286-304-6
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
274pp. Colored
Hardback



Environmental Sciences

Raven Brennan
ISBN 978-1-68286-186-8
$149.99 US
Pub Year: 2016
Book Size: 8.5”x11”
227pp. Colored
Hardback

Environmental Risk Assessment and Management

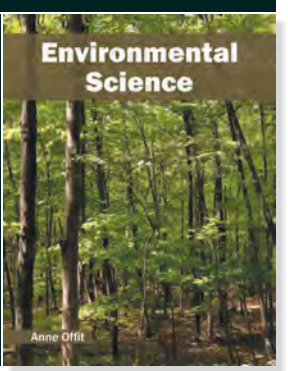
Environmental risk assessment and management has become a prominent field of study with the rapid deterioration of environment and natural resources. Scientists and environmentalists are trying to constantly evaluate the damage caused to environment and the risk of environmental hazards. This book elucidates the concepts around prospective developments in hazard identification, effective disaster prevention and mitigation, environmental epidemiology, solid waste management, etc. It provides a comprehensive insight by including contributions made by various international experts. The readers would gain knowledge that would broaden their perspective about environmental risk assessment and management.

Environmental Science

Environmental science is a discipline that assimilates concepts and information from several fields such as atmospheric science, mineralogy, oceanology, environmental engineering, geosciences, etc. to help solve the current environmental problems and assess various environmental impacts. This innovative and comprehensive book integrates the well-developed theory and practical applications of environmental science with the help of topics like pollution control, toxicology, environmental management, natural resource management, etc. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area at various levels.

Environmental Sciences

Anne Offit
ISBN 978-1-68286-305-3
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
276pp. Colored
Hardback



Environmental Science and Engineering

Environmental Sciences

Environmental engineering is a multi-disciplinary branch of engineering and is an essential component of sustainable development as well as resource management. It combines subjects from diverse branches of engineering and environmental science. The aim of this book is to educate the reader about various theories and practical applications of environmental engineering, such as environmental preservation, control and effective management of waste from human and animal activities, waste water management, etc. It strives to provide a better understanding of the interactions between human beings and their environment. This book is highly recommended for the students of various branches of engineering and those pursuing environmental sciences.

Chuck Lancaster

ISBN 978-1-68286-232-2

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

259pp. Colored

Hardback

Environmental Science: Challenges and Concerns

Environmental Sciences

Kane Harlow

ISBN 978-1-68286-237-7

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

259pp. Colored

Hardback

This book points out some of the major challenges faced by humankind to save the environment. Human activities and exploitation have led to rapid degradation and depletion of natural resources. It is thus necessary to understand the relationship between humans and their ecosystems. Environmental science is an integrated discipline with an interdisciplinary approach to study various environmental concerns. This book addresses major issues and problems to improve environmental quality in all aspects and provides an insight to maintain sustainable development practices. It encompasses topics on ecology, environmental management and major scientific breakthroughs to understand the functioning of ecosystems.

Environmental Sustainability: Green Measures

Environmental Sciences

Environmental sustainability is gaining significance around the world. More and more fields such as construction, agriculture, etc. are incorporating sustainability in their primary practices. This book is a compilation of case studies on such techniques and practices. Green construction, ecology, sustainable development, water management, sustainable land management, etc., are some of the areas that have been discussed in this text. A number of latest researches have been included to keep the readers up-to-date with the global concepts in this field. This book is highly recommended for students and research scholars focusing on the study of environmental sustainability and green measures, as well as professionals.

Kane Harlow

ISBN 978-1-68286-208-7

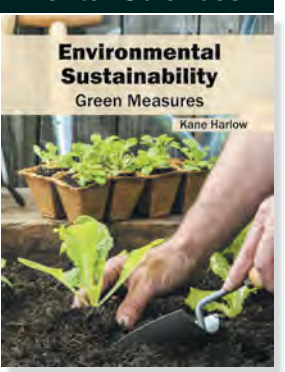
$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

244pp. Colored

Hardback



Global Environment: Issues, Challenges and Concerns

Environmental Sciences

Rosemary Charles

ISBN 978-1-68286-197-4

$149.99 US

Pub Year: 2016

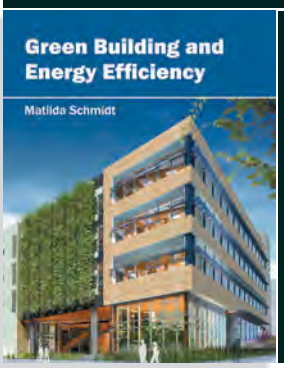
Book Size: 8.5”x11”

234pp. Colored

Hardback

There has been an enormous rise in the researches focusing upon the various challenges and concerns emerging in relation to earth’s environment in the last few decades. Some of the major issues are rapid deterioration of the ecosystems and natural resources, pollution, effect of human interference, etc. The important topics covered in this extensive book deal with the key factors in sustaining environment such as management of natural resources, climate variability, agriculture and soil management, efficient use of energy, etc. This book will serve as a reference to a broad spectrum of readers.

Environmental Sciences



Matilda Schmidt
ISBN 978-1-68286-323-7
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
272pp. Colored
Hardback

Green Building and Energy Efficiency

Green buildings and energy efficiency have become a very prominent part of civil engineering and architecture. The main objective behind these innovations is to encourage the design and construction of buildings that comply with environmental sustainability and energy efficiency measures. This book discusses the fundamental as well as modern approaches for energy efficiency, environmental quality enhancement, use of renewable energy technologies, and sustainable architecture and designs, etc. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. As this field is emerging at a fast pace, this book will help the readers to better understand the concepts of green building and energy efficiency.

Green Building Engineering

Green building engineering emphasises on construction of buildings with eco-friendly design, energy efficient technologies, etc. It takes into account various environmental factors for sustainable construction practices. The chapters included herein cover topics like sustainable site development, assessment of environmental impacts and energy efficiency, etc., which will provide incredible insights to readers. This book is an essential guide for both professionals and those who wish to pursue this discipline further.

Environmental Sciences

Matilda Schmidt
ISBN 978-1-68286-028-1
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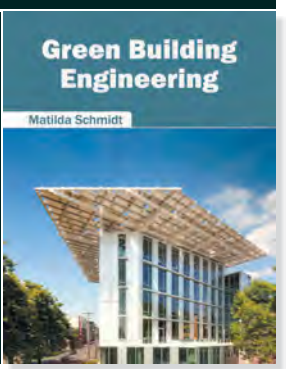
Pub Year: 2016
Book Size: 8.5”x11”
198pp. Colored
Hardback



Environmental Sciences

Marrianne Fox
ISBN 978-1-68286-350-3
$156.99 US
Pub Year: 2016
Book Size: 8.5”x11”
280pp. Colored
Hardback

Green Technology

Green technology is an emerging field that incorporates tools, techniques and concepts of environmental science and engineering to develop sustainable energy solutions and curb negative environmental impacts. This book unravels the recent studies in the field of sewage treatment, waste management, energy conservation, purification technologies, etc. The aim of this book is to present researches that have transformed this discipline and aided its advancement. This book will prove to be immensely beneficial to students and researchers in this field.

Natural Resources Engineering

The inverse relationship between the population growth and the availability of natural resources has made disciplines like natural resources engineering extremely relevant. This book discusses the fundamentals as well as modern approaches of natural resource engineering. Essential aspects and theories on a diverse array of topics, such as environmental assessment and management, sustainable use and recycling of natural resources, environmental protection, etc. have been elucidated in this book. This book aims to expand the scope of research in this field and aid its progress. It will serve as a resource guide for students, environmentalists, ecologists, engineers, and anyone else who might be interested in pursuing this field further.

Environmental Sciences

Stacy Keach
ISBN 978-1-68286-165-3
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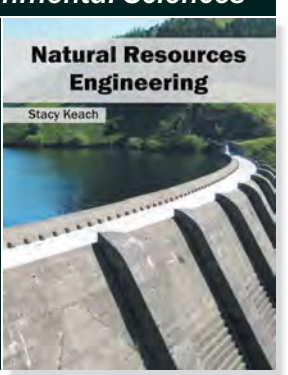
Pub Year: 2016
Book Size: 8.5”x11”
220pp. Colored
Hardback



Natural Resources Management

Natural resource management is an important branch of environmental planning with emphasis on sustainable allocation and use of resources like land, plants, water, etc. This book includes contributions of experts and scientists along with topics such as water harvesting, water supply and quality, waste management, green cover and soil science, etc. which will provide innovative insights into this field. The case studies provided herein are bound to a global overview of the current practices and trends. Students, researchers, and people associated with natural resource management will benefit alike from this book.

Environmental Sciences

Stacy Keach

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$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

212pp. Colored

Hardback

Environmental Sciences

Kane Harlow

ISBN 978-1-68286-261-2

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

265pp. Colored

Hardback

Sustainable Environmental Policies

Environmental management and planning has become a crucial part of various organizational and government programs. The main emphasis is on formulating sustainable environmental policies to curb pollution and efficiently manage utilization of natural resources. This comprehensive book is a valuable compilation of important topics such as environmental resources management, pollution control, protection of wildlife and endangered species, biodiversity, and policies regarding toxic waste management including industrial wastes, etc. The extensive content of this book provides the readers with a thorough understanding of this field. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline.

Textbook of Energy and Environmental Engineering

Environmental engineering refers to the integration of environment aspects along with the principles and techniques of engineering to provide solutions for various environmental issues and challenges such as supply and distribution of water, waste disposal and management, reducing carbon emissions, etc. This book provides comprehensive information related to this field with the help of topics such as energy efficiency, using renewable energy sources like solar and thermal power for sustainable energy production, indicators for environmental sustainability, etc. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail. Those in search of information to further their knowledge will be greatly assisted by this book.

Environmental Sciences

Chuck Lancaster

ISBN 978-1-68286-345-9

$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

275pp. Colored

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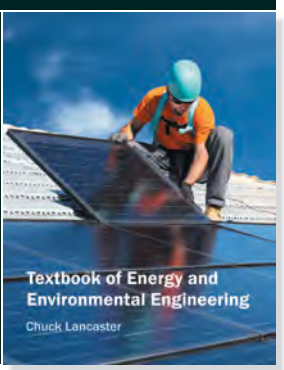
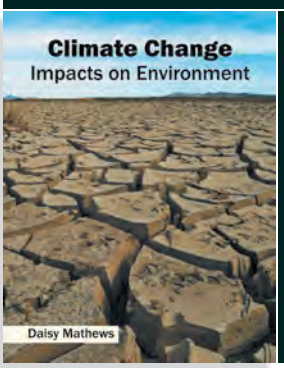


Climatology



Daisy Mathews

ISBN 978-1-68286-294-0

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

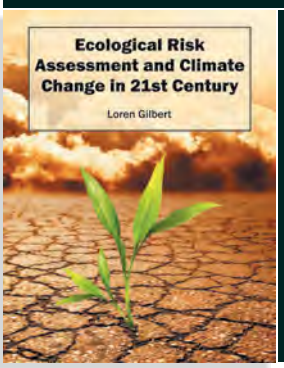
271pp. Colored

Hardback

Climate Change: Impacts on Environment

Climate change and variability are usually caused by natural factors and processes like solar radiation, tectonic movements, etc. However, climate changes are also affected by human activities and interference. Scientists and environmentalists are conducting researches and studies to investigate and evaluate the effects of climate change on environment. The chapters in this book are an assimilation of topics such as water sustainability and climate change, effect of climate change on agriculture, remote sensing techniques for assessing the impact of climate change, etc. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area at various levels.

Climatology



Loren Gilbert

ISBN 978-1-68286-015-1

$139.99 US

Pub Year: 2016

Book Size: 8.5”x11”

183pp. Colored

Hardback

Ecological Risk Assessment and Climate Change in 21st Century

The depletion of various ecological resources and the adverse effects of climate variability have compelled different governments and organizations to monitor the utilization of ecological resources. This book attempts to provide a detailed examination of the topics related to this field such as optimization and management of ecological resources, impact of climate change, environmental policy analysis, tools and techniques for ecological risk assessment, etc. It is a collective contribution of internationally acclaimed experts with an aim to bring forth new topics for research and analysis. A number of latest case studies have been included to keep the readers up-to-date with the global concepts in this area of study.

Evidence, Impacts and Analysis of Global Climate Change

Earth’s temperature has risen over a period of time causing major changes in climate globally. It is a threat to the planet and is one of the primary concerns of ecologists and environmentalists. This book covers all the aspects responsible for climate change in detail and offers information about the recent changes in global climate conditions. It delves into analytical tools and techniques that will simplify the interpretation of existing data. It emphasizes upon consequences of global climate change. Students and researchers in this field will find this book helpful.

Climatology

Loren Gilbert

ISBN 978-1-68286-306-0

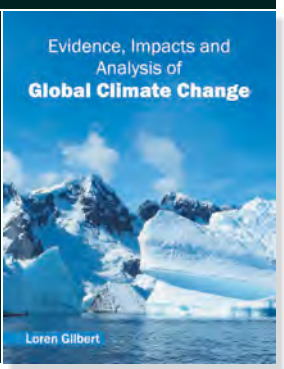
$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

274pp. Colored

Hardback



Ecology and Forestry

Neil Griffin

ISBN 978-1-68286-005-2

$124.99 US

Pub Year: 2016

Book Size: 8.5”x11”

136pp. Colored

Hardback

A Textbook of Molecular Ecology and Environmental Engineering

Molecular ecology is an emerging field of study that focuses on crucial challenges of ecological and environmental conservation like assessment and protection of biodiversity and species, analysing behavioural ecology, etc. It involves the use of genetics and genomics for evaluating and addressing these problems. Some of the topics covered in this extensive book are cell biology, genetics, microbial population, microbial and environmental biotechnology, applications of bioremediation and biodegradation, etc. The aim of this book is to serve as a resource guide for students and experts alike.

Ecological Assessment of Natural Resources

Ecological monitoring of natural resources has become vital for assessing existing reserves of natural resources as well as for prevention of environmental degradation and contamination. This book compiles researches and case studies related to ecological assessment of resources and related topics such as management of various water resources, sustainable land management and agricultural policies, evaluation of industrial pollutants, etc. It aims to provide a comprehensive overview of the prominent concepts and methods of ecological assessment from different parts of the world. Through this book, an attempt has been made to further enlighten the readers about the emerging aspects in this field.

Ecology and Forestry

Alfred Muller

ISBN 978-1-68286-082-3

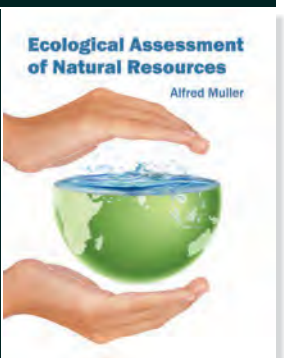
$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

212pp. Colored

Hardback



Ecology and Forestry

Ecological Engineering

Ecological engineering is an emerging field focused on the design and monitoring of ecosystems through the principles of engineering. Its potential applications can be found in landscape architecture, urban horticulture, etc. This all inclusive book encapsulates some of the most significant topics in this field such as evaluation of water quality, waste management, environmental landscaping, sustainable development, etc. It brings together case studies of renowned experts from across the globe to help students in understanding the present status and future prospects of this discipline.

Jeffery Clarke

ISBN
978-1-68286-299-5

$154.99 US

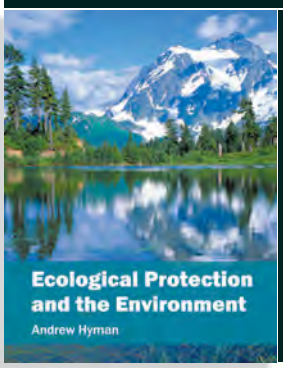
Pub Year: 2016

Book Size: 8.5”x11”

276pp. Colored

Hardback

Ecology and Forestry



Andrew Hyman

ISBN
978-1-68286-001-4

$124.99 US

Pub Year: 2016

Book Size: 8.5”x11”

128pp. Colored

Hardback

Ecological Protection and the Environment

Scientists and ecologists from across the globe are striving to asses and evaluate the damage caused to earth’s ecosystems and environment because of human interference. This book highlights the importance of maintaining equilibrium in the human-environment interaction. Different approaches, evaluations, and advanced studies on ecological protection have been included in this book along with topics such as impact of climate change, waste management, conservation and management of water resources, etc. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and significance of the subject.

Forest Ecology, Management and Restoration

Forest ecology is one of the most important areas of study in today’s time. With issues like changing land use patterns and depleting area under green cover at hand, this book focuses on effective management and restoration of forests. It elucidates the topics such as climate change impacts, tropical forests and management, forest soil management, tree breeding, etc. This book is a complete guide for the detailed study of forest ecology and is highly recommended for students and academicians pursuing ecology, botany, or associated disciplines.

Ecology and Forestry

Aduardo Hapke

ISBN
978-1-68286-043-4

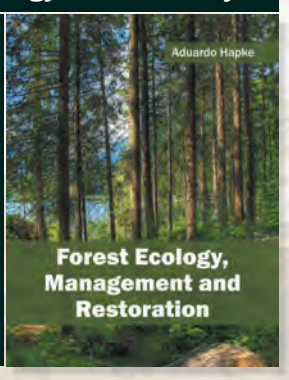
$144.99 US

Pub Year: 2016

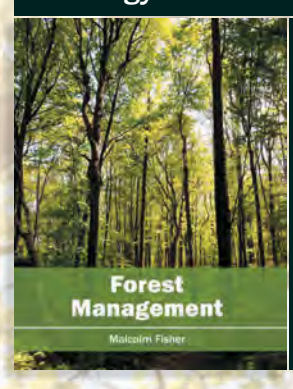
Book Size: 8.5”x11”

202pp. Colored

Hardback



Ecology and Forestry



Malcolm Fisher

ISBN
978-1-68286-177-6

$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

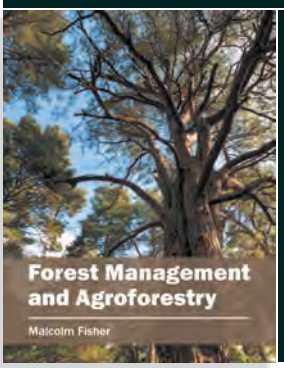
227pp. Colored

Hardback

Forest Management

Forest management has become a significant field of study that emphasizes on controlling and regulating the use of forest resources. This book aims to cover significant concepts from various interdisciplinary subjects like forestry, agriculture, plant biology, etc. It provides an in-depth explanation of topics like plant breeding and cultivation, plant diversity and taxonomy, sustainable management of forest resources, etc. Scientists and researchers from around the world have contributed their valuable researches and case studies in this book. It book will prove immensely beneficial to professionals and students engaged in this field.

Ecology and Forestry



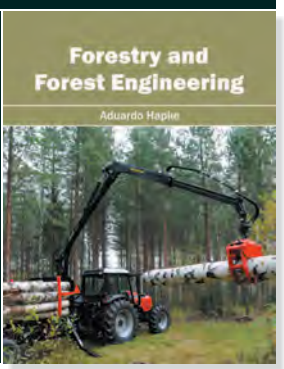
Malcolm Fisher
ISBN
978-1-68286-217-9
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
252pp. Colored
Hardback

Forest Management and Agroforestry

A combination of agriculture and forestry, agroforestry is one of the most effective methods of promoting sustainable land use. This book covers diverse aspects and applications of agroforestry. Topics such as forest ecology, natural resource management and policies, tree breeding, tropical forests, etc. have been discussed extensively in this text. It is a vital tool for all researching or studying ecology, agro-ecology, or associated fields of study, as it gives incredible insights into emerging trends and concepts of agroforestry. This book is a collective contribution of renowned international experts. It is a complete source of knowledge on the present status of this important field.

Ecology and Forestry

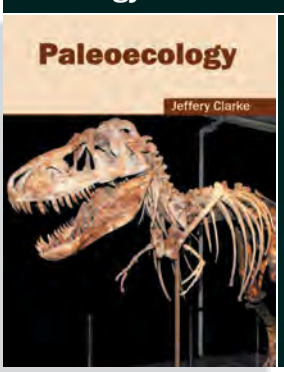
Aduardo Hapke
ISBN
978-1-68286-244-5
$152.99 US
Pub Year: 2016
Book Size: 8.5”x11”
263pp. Colored
Hardback



Forestry and Forest Engineering

Forest engineering is a significant discipline as its focus lies on the conservation and management of the forests. This book aims to equip students and experts with the advanced topics and upcoming concepts in forest engineering. It is an assimilation of researches with reference to diverse aspects of forest engineering, such as forest ecology, forest genetics, biotechnology, remote sensing, forest biomass, forest simulation modeling, etc. This book will prove to be immensely beneficial to students and researchers pursuing forest engineering.

Ecology and Forestry



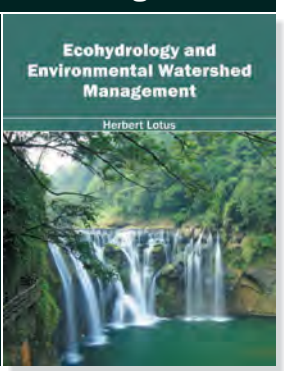
Jeffery Clarke
ISBN
978-1-68286-105-9
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
212pp. Colored
Hardback

Paleoecology

Paleoecology is the branch of ecology that studies the relationships between prehistoric living organisms and their environment, using fossils and prehistoric remains as evidences. The main objective of this discipline is to understand the various geological and biological cycles and interpret their interactions. This book provides significant information of this field to help develop a good understanding of marine and terrestrial environments, adaptation and preadaptation, paleoecological reconstructions, and related fields. It strives to provide a fair idea about this subject and to help gain a better insight into the latest advances within this field.

Water Resource Management

Herbert Lotus
ISBN
978-1-68286-151-6
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
217pp. Colored
Hardback



Ecohydrology and Environmental Watershed Management

The sustainable management of water resources has become an increasingly prominent field of study and research. Ecohydrology and water management are crucial topics of interest in this field. This book explores the cohesive relationship between water resources and their respective ecosystems. The chapters included herein trace the progress of these fields and highlight some of the key concepts such as ecological engineering, catchment hydrology, biogeochemical processes, mathematical analysis, management of different water resources, etc. Scientists and students will find this book full of crucial and unexplored concepts.

Engineering Hydrology and Earth Science

Hydrology is a significant discipline that aims to analyse the distribution and quality of water resources on earth. There has been an increasing emphasis on understanding the physico-chemical characteristics of global water reserves and hydrologic movement using computational modeling and measurement techniques. The chapters in this book discuss various topics like hydrometeorology, evaluation of hydrologic data from different parts of globe, climatology, water resource engineering, etc. It is an essential guide for both students and researchers seeking in-depth information of the field.

Water Resource Management

Stacy Keach

ISBN
978-1-68286-042-7

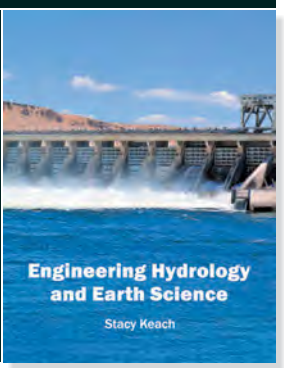
$144.99 US

Pub Year: 2016

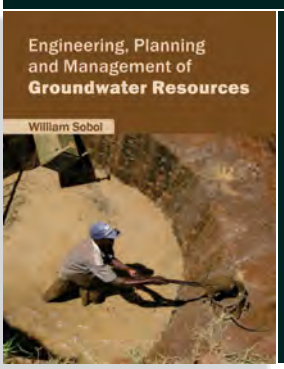
Book Size: 8.5”x11”

202pp. Colored

Hardback



Water Resource Management



William Sobol

ISBN
978-1-68286-084-7

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

212pp. Colored

Hardback

Engineering, Planning and Management of Groundwater Resources

The rapidly increasing population and urbanization has led to over exploitation of groundwater resources around the world. This book deals with the planning and management of groundwater resources. The chapters discussed in this book encompass the recent studies in the field of groundwater hydrology and discusses concepts like biogeochemical processes, engineering hydrology, global groundwater resources, etc. It attempts to assist those with a goal of delving into the field of groundwater resource management. The book will be a crucial source of knowledge for all the students and academicians engaged in this field.

Environmental Hydrology

Environmental hydrology integrates the concepts of hydrology with environmental planning. The applications of this field spread across agriculture, geology, climatology, etc. Waste management, global warming, hydrologic cycle, etc. are some of the topics that have been extensively covered in this book. With its detailed analyses and data, the text will prove immensely beneficial to professionals and students involved in this area at various levels. It will also help new researchers by foregrounding their knowledge in environmental hydrology.

Water Resource Management

William Sobol

ISBN
978-1-68286-303-9

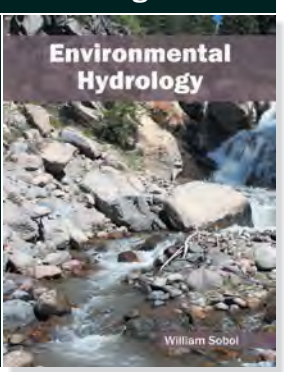
$154.99 US

Pub Year: 2016

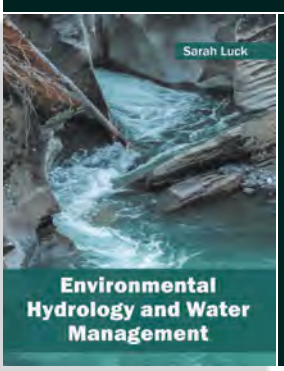
Book Size: 8.5”x11”

274pp. Colored

Hardback



Water Resource Management



Sarah Luck

ISBN
978-1-68286-267-4

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

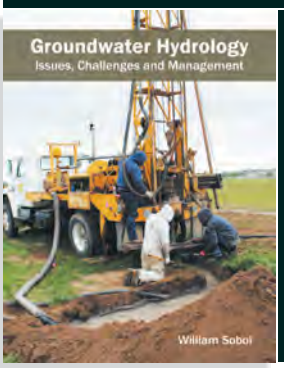
264pp. Colored

Hardback

Environmental Hydrology and Water Management

Environmental hydrology is a significant field of study that is concerned with the distribution and movement of water across the planet. It plays a prominent role in sustainable management of various water resources. The book aims to explore significant topics like physico-chemical processes behind hydro-climatology, evaluation of various water resources and their interaction around the world, impact of human activities on water quality and distribution, etc. Students, researchers, and others associated with the fields of environmental hydrology and water management will benefit alike from this book.

Water Resource Management



William Sobol

ISBN
978-1-68286-044-1

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

201pp. Colored

Hardback

Groundwater Hydrology: Issues, Challenges and Management

Groundwater hydrology is an emerging field of study that focuses upon movement, quality as well as availability of groundwater. The prominent topics such as groundwater modelling, availability of groundwater resources, quality and assessment of groundwater from different regions, etc. have been covered in this text. Researches and case studies by eminent experts and scientists have been incorporated in this advanced text. Students, researchers, and all associated with hydrology, water resource management and allied fields will benefit alike from this book.

Groundwater Systems Management

Groundwater systems management is vital for adequate water consumption and administration. Water-soil interactions, assessment of groundwater quality, properties of aquifers, well hydraulics, and ground water flow are some of the topics included in the book that are of utmost significance and bound to provide incredible insights to readers. Different approaches, evaluations, methodologies and advanced case-studies on groundwater systems management have been included in this book. It is an excellent reference text for students, researchers, and scientists engaged in the field of water management, geology, etc.

Water Resource Management

Keith Wheatley

ISBN
978-1-68286-269-8

$152.99 US

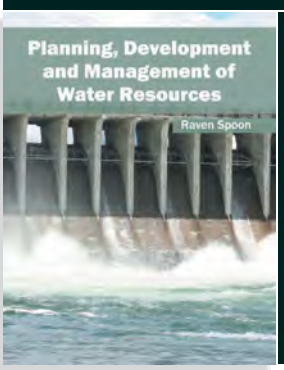
Pub Year: 2016

Book Size: 8.5”x11”

266pp. Colored

Hardback

Water Resource Management



Raven Spoon

ISBN
978-1-68286-286-5

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

271pp. Colored

Hardback

Planning, Development and Management of Water Resources

Water resources management is one of the prime concerns of our time. The inverse relationship between population growth and water availability has made planning and management of water resources even more crucial. This book discusses topics like impact of climate change on hydrology, planning, management, monitoring and protection of water resources, etc. This text will prove to be immensely beneficial to students and researchers in this field as it comprises discussions and case studies provided by internationally renowned experts.

Water Conservation and Environmental Stability

Water conservation focuses on developing strategies and measures for sustainable utilization of water resources. This book covers the various topics that are contributing to the growth of the discipline such as hydropower generation, rainwater harvesting, modeling of groundwater resources, drinking water supply and distribution, etc. It contains case studies and researches by internationally acclaimed experts. This text is a vital tool for all researching and studying this field.

Water Resource Management

Keith Wheatley

ISBN
978-1-68286-035-9

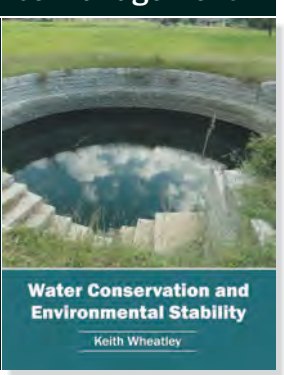
$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

200pp. Colored

Hardback



Water Resource Management

Water Quality, Pollution and Management

Sustainable water resources for consumption are constantly depleting due to pollution, climate change and other environmental factors. Therefore, water quality monitoring and management of water resources has become essential. The book aims to shed light on some of the unexplored aspects of water quality, pollution and management. It encompasses some of the most important topics and concepts like waste water treatment, water recycling and reuse, emerging water management practices, water contamination and pollution, etc. This book includes researches and case studies from various parts of the world. Students, researchers and readers in general will find this text an invaluable source of reference.

Raven Spoon

ISBN 978-1-68286-187-5

$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

224pp. Colored

Hardback

Water Resource Management

Herbert Lotus

ISBN 978-1-68286-320-6

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

275pp. Colored

Hardback

Water Resources Engineering

Water resource engineering is an emerging field of study that aims to analyse the distribution and quality of diverse water resources. The main aim of this field is to evaluate and prevent the contamination of water resources and ensure supply of clean water. This book covers in detail some prominent concepts and topics revolving around water resource engineering such as waste water treatment, environmental engineering, climate change, analysis of water quality, etc. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. It will prove immensely beneficial to professionals and students involved in this area at various levels.

Water Resource Management

Water Resources Management

Water resource management deals with developing, planning and using water resources efficiently. The topics covered in this comprehensive book deal with some of the vital topics related to water resources management such as controlling water pollution, water conservation, and water cycle management, etc. The aim of this book is to present researches that have transformed this discipline and aided its advancement. Students, researchers, experts and all associated with water resources management will benefit alike from this book.

Sarah Luck

ISBN 978-1-68286-223-0

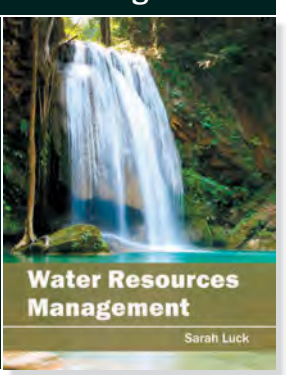
$154.99 US

Pub Year: 2016

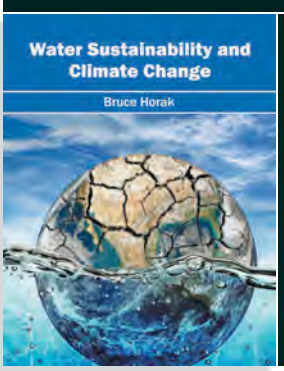
Book Size: 8.5”x11”

254pp. Colored

Hardback



Water Resource Management



Bruce Horak

ISBN 978-1-68286-224-7

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

251pp. Colored

Hardback

Water Sustainability and Climate Change

The greenhouse effect and overall rise in the average temperatures across the globe have had a major impact on water bodies and their sustainability. This has made the integrated study of climate change and its impact on natural resources very important. Impacts of climate change on water resource systems, sustainable use and planning of water resources, storm water management under changing climate, etc. are some of the topics that have been elaborated in detail. This book includes various researches and studies conducted by experts and will prove to be highly beneficial for students and research scholars.

Pollution and Waste Management

Ralph Britton

ISBN
978-1-68286-170-7

$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

224pp. Colored

Hardback

Chemical Pollutants: A Threat for Environment

The widespread uses of chemicals and hazardous toxics in industrial activities have resulted in polluting and degrading ecosystems. A wide range of chemicals like pesticides, fertilizers and oil spills contaminate natural resources and have adverse effects on environment and health. The book presents a detailed account on disposal and treatment of chemical pollutants. It provides various tools and techniques to detect, test and reduce the ill effects of toxic chemical compounds. Students and researchers will find this book beneficial.

Chemical Pollution and Waste Management

Chemical pollution is the result of hazardous industrial chemicals which are not properly disposed and treated. Some industrial chemicals are highly poisonous as they contaminate not only air, water and soil but food chains as well. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field of chemical waste management. Different approaches, evaluations, methodologies as well as advanced studies on controlling the adverse effects of chemicals and management practices to reduce the hazardous impacts have been included in the book. This text is a vital tool for all researching and studying this field.

Pollution and Waste Management

Giselle Tang

ISBN
978-1-68286-029-8

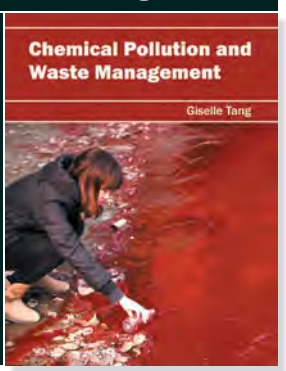
$144.99 US

Pub Year: 2016

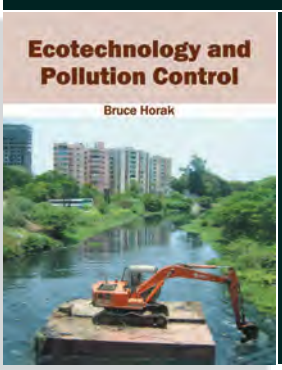
Book Size: 8.5”x11”

203pp. Colored

Hardback



Pollution and Waste Management



Bruce Horak

ISBN
978-1-68286-251-3

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

265pp. Colored

Hardback

Ecotechnology and Pollution Control

Ecotechnology focuses on minimizing any ecological disruption resulting from human activities. Pollution control is a primary area of concern in ecotechnology. This book covers the varied aspects of ecotechnology by presenting the latest methods and techniques in the field. Some of the topics covered in this text are water management, waste management, technology and equipment for the environment, etc. It aims to provide a holistic view of this field to the readers and broaden the scope of the research in this discipline.

Ecotoxicology and Environmental Chemistry

Ecotoxicology is an umbrella science that integrates concepts from various disciplines like molecular chemistry, earth sciences, environmental engineering and environmental chemistry in order to understand the interactions of toxics with the ecosystem and develop strategies to reduce the negative impacts. Heavy metal contamination, ocean acidification, soil poisoning are some of the crucial factors that fueled the research in this field. This book includes some of the vital pieces of work being conducted across the world, on various topics like standard toxicity tests, ecotoxicological evaluation and biosensors. It is a complete source of knowledge on the present status of this important field.

Pollution and Waste Management

Giselle Tang

ISBN
978-1-68286-168-4

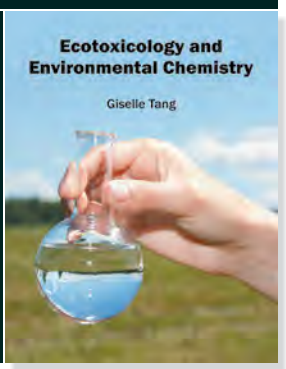
$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

224pp. Colored

Hardback



Environmental Epidemiology and Risk Management

Pollution and Waste Management

This book collates the concepts of environmental epidemiology and risk management to provide a comprehensive insight to the readers. Most of the topics introduced herein cover vital techniques and applications of risk management and environmental epidemiology, such as pollution control and mitigation, waste management, ecological assessment, geo-hazards, etc. Different approaches, evaluations, methodologies and advanced studies on environmental epidemiology have been included in this book. This text, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this field at various levels.

Bernie Goldman

ISBN
978-1-68286-214-8
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
250pp. Colored
Hardback

Environmental Health and Toxicology

Pollution and Waste Management

Raven Brennan

ISBN
978-1-68286-175-2
$149.99 US
Pub Year: 2016
Book Size: 8.5”x11”
226pp. Colored
Hardback

Toxins and hazardous compounds affect the environment in various ways, from gradual deterioration of ecosystems to severe chronic diseases. Toxicologists carry out various safety evaluations and risk assessments to analyse the damage caused to environmental health. This book compiles the recent studies in the field of nanotoxicology, treating toxic waste, forensic toxicology, and assays for toxicity assessment. The aim of this book is to present researches that have transformed this discipline and aided its advancement. With state-of-the-art inputs by acclaimed experts of this field, this book targets students and professionals alike.

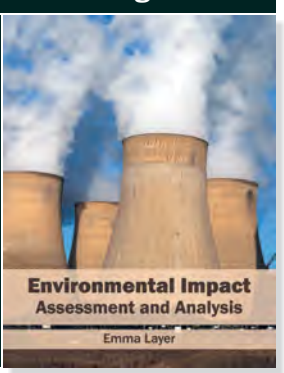
Environmental Impact: Assessment and Analysis

Pollution and Waste Management

Environmental impact is the study of various effects caused by human activities and other factors, both negative and positive, on the ecosystem and environment of the Earth. It emphasises on evaluating and understanding the implications of different human interferences and actions. The significant topics compiled in this book are ecosystem services, food security, sustainable energy use, biodiversity conservation, etc. The extensive content of this book provides the readers with a thorough understanding of the subject.

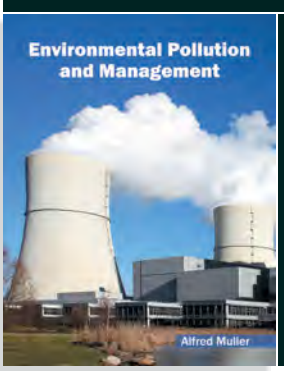
Emma Layer

ISBN
978-1-68286-203-2
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
239pp. Colored
Hardback



Environmental Pollution and Management

Pollution and Waste Management



Alfred Muller

ISBN
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$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
217pp. Colored
Hardback

Pollution is a major threat to our environment. Researchers across the globe are working extensively to devise techniques and methods to mitigate its negative impact. The topics included in this book, such as sustainable use of environmental resources, waste management, effects of pollutants in air, water and soil, environmental quality management, etc., are of utmost significance and bound to provide incredible insights to readers. The extensive content of this text provides the readers with a thorough understanding of the subject. In this book, using case studies and examples, constant effort has been made to aid the sound understanding of the rapid progress made in this significant field.

Pollution and Waste Management

Bernie Goldman
ISBN 978-1-68286-120-2
$149.99 US
Pub Year: 2016
Book Size: 8.5”x11”
213pp. Colored
Hardback

Environmental Risk-Based Analysis for Managers

The recent exhaustion of natural resources and increase in pollution has given rise to the risks and negative impacts of such activities on the environment. This book elucidates the concepts and innovative models around prospective developments with respect to environmental risk based analysis. It presents detailed discussions on topics such as sustainable water resource management, pollution mitigation, environmental statistics, impacts and assessment of climate change, etc. The researches in this book cover the entire spectrum of environmental risk based analysis and will be an excellent reference material for professionals and academicians.

Pollution and Waste Management

Victor Bonn
ISBN 978-1-68286-085-4
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
212pp. Colored
Hardback

Environmental Waste Management

Waste management is an emerging branch of environmental sciences dealing with the treatment and disposal of waste. This discipline deals with the clearance, treatment and management of both environmental and industrial waste. This book gives an elucidative account of the different techniques and practices involved in management of solid wastes with the help of biomolecular tools and traces. It compiles theoretical and analytical approaches to reduce the potential waste disposal risks in both developed and developing countries. This book will be beneficial to students and researchers who are involved in resolving various scientific and technical issues related to this field.

Pollution and Waste Management

Raven Brennan
ISBN 978-1-68286-092-2
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
216pp. Colored
Hardback

Handbook of Environmental Pollution and Control

Urban development, emerging consumption trends and reckless industrialization are some of the factors behind increasing environmental pollution. This book traces the progress of this field and highlights some of its key concepts such as greenhouse gas emissions, chemical toxics and pollutants, solid waste management and different control measures, etc. The various studies that are constantly contributing towards advancing technologies to work for the betterment of environmental health are examined in detail. It aims to equip students and experts with the advanced topics and upcoming concepts in this area.

Pollution and Waste Management

Rosemary Charles
ISBN 978-1-68286-147-9
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
217pp. Colored
Hardback

Human Induced Environmental Threats

Humans have relied primarily on their surrounding environment for survival and sustenance. However, the interactions between humans and environment have resulted in massive deterioration of environment. This book explores the diverse implications of human activities that are destroying the ecosystems of our planet and endangering all the species on earth. It is a compilation of chapters that cover some of the significant aspects in this field of study such as agriculture and food security, protection and preservation of biodiversity, pollution, environment and human interaction, environmental education, etc. The extensive content of this book provides the readers with a thorough understanding of this important subject area.

Managerial Techniques for Environmental Waste Management

Effective environmental waste management strategies are crucial to ensure sustainable development. This book on waste management consists of contributions made by international experts. It provides significant information to help develop a good understanding of waste management techniques through lucid elaboration on topics such as optimization and control of pollution mitigation processes, modeling transport of contaminants in environmental systems, sustainable water management, etc. The book is appropriate for students seeking detailed information as well as for researchers seeking an apt reference material. In this book, using case studies and examples, constant effort has been made to make the understanding of the difficult concepts of environmental waste management techniques as easy and informative as possible.

Pollution and Waste Management

Victor Bonn

ISBN
978-1-68286-095-3

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

212pp. Colored

Hardback

Pollution and Waste Management

Jude Stinton

ISBN
978-1-68286-049-6

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

202pp. Colored

Hardback

Remanufacturing and Waste Management

Remanufacturing is constantly contributing towards waste management. It helps manufacturers by bringing down production cost along with reducing their carbon footprint. The aim of this book is to present researches related to life cycle analysis, product development and management, resource recovery, waste reduction, etc. It will provide new insights to readers that will transform this discipline and aid its advancement. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area at various levels.

Remanufacturing Engineering

In the past ten years, the remanufacturing engineering has gained pace in the industrial area as it is one of the most effective and potential strategies for the “end-of-life” product management. This book presents an overview of the remanufacturing engineering. It details topics like remanufacturing processes, product designs and environmental analysis. This book aims to compile a thorough survey and provide a foundation for further researches. It covers theoretical as well as practical aspects to understand the applications of this field. Students will find this text beneficiary.

Pollution and Waste Management

Jude Stinton

ISBN
978-1-68286-363-3

$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

280pp. Colored

Hardback

Pollution and Waste Management

Sheryl McMillan

ISBN
978-1-68286-012-0

$139.99 US

Pub Year: 2016

Book Size: 8.5”x11”

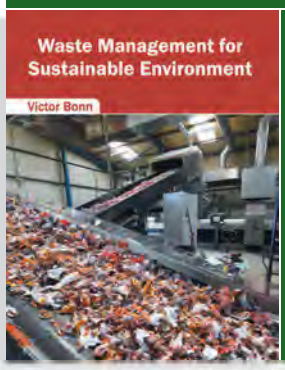
180pp. Colored

Hardback

Strategies for Waste Disposal and Pollution Control

Scientists and research organizations across the globe are trying to build novel strategies for waste disposal and treatment of industrial effluents. The ever growing need to control pollution and dispose waste in an eco-friendly manner is the reason that has fuelled the research in this field in recent times. The chapters included in this book contain some of the vital pieces of work being conducted across the world, on various topics related to waste management and pollution control like evaluation and management of environmental risk and safety, waste treatment and recycling, waste water treatment, etc. It is bound to provide innovative insights to the students and researchers engaged in this field.

Pollution and Waste Management



Victor Bonn
ISBN 978-1-68286-319-0
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
275pp. Colored
Hardback

Waste Management for Sustainable Environment

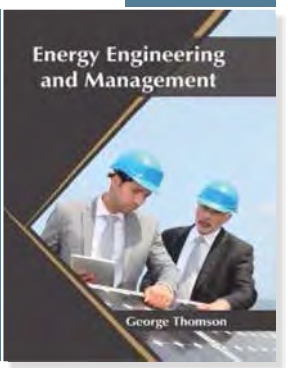
This book focuses on the various measures and techniques for the collection, recycling, treatment of waste and environmental assessment. It explores all the important aspects of waste management and environmental conservation with the help of topics such as green energy, waste water treatment, assessment of heavy metals, etc. in the present scenario. It includes state-of-the-art inputs and evaluations by eminent experts from around the globe, in this field. It aims to serve as a reference for students and experts alike and contribute to the growth of the discipline.

Energy

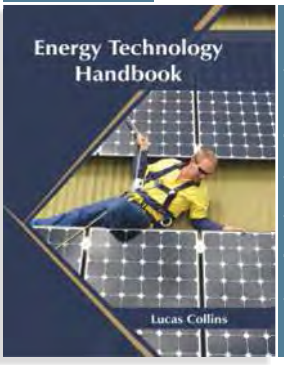
Energy Engineering and Management

Energy engineering and energy management are two vast interrelated areas of study. While energy engineering deals with aspects such as alternative energy, energy efficiency, etc.; energy management on the other hand is concerned with the consumption, conservation as well as production of energy. This book elucidates the concepts and innovative models around prospective developments with respect to energy engineering and management. It presents researches and studies performed by experts across the globe. In this book, using case studies and examples, constant effort has been made to make the understanding of the difficult concepts of these fields as informative as possible, for the readers.

George Thomson
ISBN 978-1-68286-492-0
$152.99 US
Pub Year: 2017
Book Size: 7”x10”
247pp. Colored
Hardback



Energy



Lucas Collins
ISBN 978-1-68286-493-7
$150.99 US
Pub Year: 2017
Book Size: 7”x10”
241pp. Colored
Hardback

Energy Technology Handbook

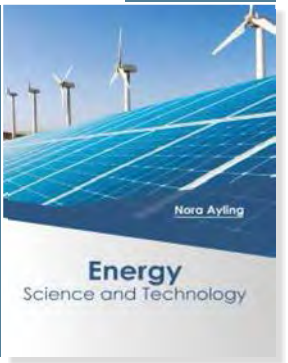
Energy technology is an umbrella discipline that concerns itself with the diverse aspect of energy such as its storage, distribution, efficiency, etc. The ever growing need of advanced technology is the reason that has fueled the research in the field of energy technology in recent times. Some of the diverse topics covered in the book address the varied branches that fall under this category. Different approaches, evaluations, methodologies and advanced study on energy technology have been included in this book full of crucial and unexplored concepts.

Energy

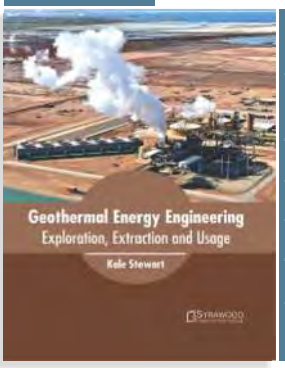
Energy: Science and Technology

This book on energy deals with the various branches of energy science ranging from energy storage to energy efficiency technologies. Energy engineering and management deal with all aspects of electrical energy generation and distribution. Most of the topics introduced in this book cover new techniques and the applications of energy technology. It is a compilation of topics which discuss technological innovation in this field and its future implications. This book aims to equip students and experts with the advanced topics and upcoming concepts in this area. In this book, using case studies and examples, constant effort has been made to make the understanding of the difficult concepts of energy engineering as easy and informative as possible for the readers.

Nora Ayling
ISBN 978-1-68286-470-8
$140.99 US
Pub Year: 2017
Book Size: 8.5”x11”
218pp. Colored
Hardback



Energy

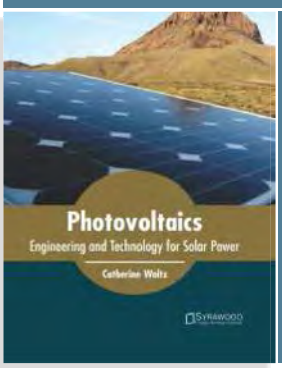


Kale Stewart
ISBN 978-1-68286-462-3
$124.99 US
Pub Year: 2017
Book Size: 8.5”x11”
185pp. Colored
Hardback

Geothermal Energy Engineering: Exploration, Extraction and Usage

This book provides comprehensive insights into the field of geothermal energy engineering. It explores all the important aspects of this field in the present day scenario. Geothermal energy is one of the most important forms of alternative energy present today. It is generated within earth’s crust because of radioactive decay of materials and is stored in the same. It is the most reliable, cost-effective and environmental friendly power. This text will give detailed analysis about the use and extraction of geothermal energy. It will also discuss the engineering methods required for its exploration. Different approaches, evaluations, methodologies and advanced studies in this area have been included in the text. Students, researchers, experts and all associated with the field of geothermal energy engineering will benefit alike from this text.

Renewable Energy



Catherine Waltz

ISBN
978-1-68286-456-2

$144.99 US

Pub Year: 2017

Book Size: 8.5"x11"

226pp. Colored

Hardback

Photovoltaics: Engineering and Technology for Solar Power

While understanding the long-term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field of photovoltaics which are deployed for the transformation of light into electricity with the help of semiconducting materials. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. It aims to shed light on the various applications of photovoltaics that are used across the world for example; rooftop and building integrated systems, standalone systems and power stations, etc. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the engineering and technology of photovoltaic and solar energy.

Renewable Energy: Advanced Technologies and Applications

Renewable energy is defined as energy harnessed from natural resources that can be easily replenished. This book on renewable energy takes into account renewable energy technology and green energy practices that reduce emission and energy wastage. The increased use of renewable energy points to a greener future that can be sustained and shared by larger number of people. Topics in this book provide data and information on the present status of the various renewable energy technologies and the harnessing of renewable energy. This book will help new researchers by foregrounding their knowledge in this branch. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included herein. The book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in renewable energy technology at various levels.

Renewable Energy

Ted Weyland

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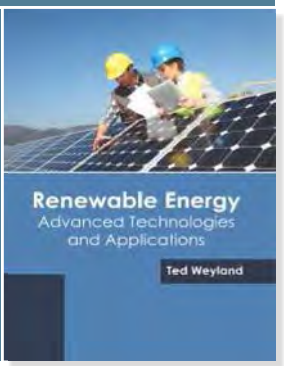
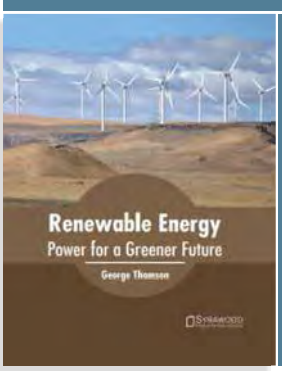
Hardback



Renewable Energy



George Thomson

ISBN
978-1-68286-461-6

$154.99 US

Pub Year: 2017

Book Size: 8.5"x11"

254pp. Colored

Hardback

Renewable Energy: Power for a Greener Future

This book is a compilation of chapters that discuss the most vital concepts and emerging trends in the field of sustainable energy. Due to the rise in pollution and depletion of natural resources renewable energy has emerged as the most credible alternative. It is being adopted worldwide as it has extremely low or no negative impact of the environment. This book is compiled in such a manner, that it will provide in-depth knowledge about the theory and practice of renewable energy. The objective of this text is to shed light on the techniques of renewable energy that could ensure energy saving and efficiency like geothermal power, solar photovoltaic and ocean energy to name few. Researchers and students in this field will be assisted by this book.

Solar Power Generation: Concepts and Technology

Solar power generation is an important field in the area of renewable energy. The study of solar power generation concerns itself with the effective harnessing and storage of electricity that has been derived from solar power. The book on solar power generation discusses topics related to the technology of solar cells, efficient solar power harnessing and advances technology that is being used in photovoltaic current generation. The researches included in this book aim to encapsulate the fields of solar power, solar power generation and the renewable energy generation. This book is appropriate for students seeking detailed information in this area as well as for experts. It will prove beneficial for researchers, experts and professionals engaged in the areas of environmental technology, sustainable energy engineering and energy economics.

Renewable Energy

Catherine Waltz

ISBN
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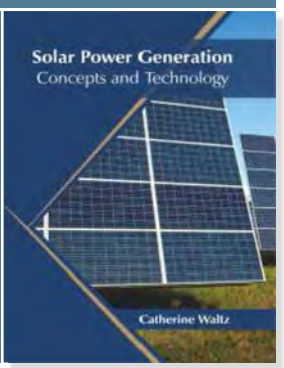
Hardback



Wind Energy: Science and Engineering

Renewable Energy

The ever growing need for energy has caused serious harm to the environment and nature. The use of fossil fuel in energy generation has led to severe pollution. Therefore, alternative energy is the need of the hour. Wind energy is one of the most reliable and cost-effective forms of alternative or green energy. This book explores all the important aspects of wind energy in the present day scenario. It discusses the science behind its conception and engineering behind its application. The various studies that are constantly contributing towards advancing technologies and evolution of the field of wind energy are examined in detail in the text. The extensive content of this book provides the readers with a thorough understanding of the subject. It will serve as a reference to a broad spectrum of readers.

Benjamin Wayne

ISBN
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Pub Year: 2017

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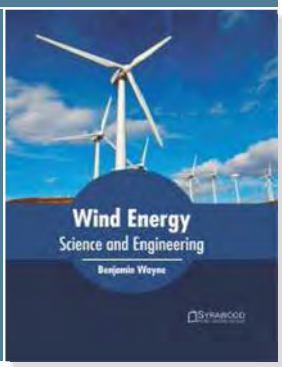
231pp. Colored

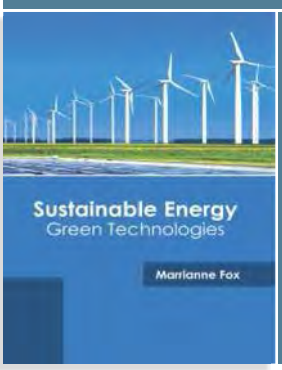
Hardback



Sustainable Energy: Green Technologies

Renewable Energy

This book on sustainable energy discusses the various technologies and methods that have been made popular for energy-efficient consumption. Sustainable energy that promotes environmental sustainability is a very effective source of energy generation. Energy generation must concentrate on reducing pollution and other emissions to combat detrimental effects like greenhouse gas emissions and ozone layer depletion. Contents included in this text deal with coherent data that explains the effectiveness of green energy technologies and reduced emissions. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in the field of sustainable energy. A number of latest researches have been included to keep the readers up-to-date with the global concepts in this area of study. This book is an essential guide for both academicians and those who wish to pursue this discipline further.



Marrianne Fox

ISBN
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$144.99 US

Pub Year: 2017

Book Size: 8.5”x11”

228pp. Colored

Hardback

Alternative Energy: Oil and Gas

Petroleum Engineering

Biofuels and biogas are sources of alternative energy that are being extensively studied and explored. This book on alternative energy deal with renewable sources of oil and gas, their manufacture and their viability as long-term solutions to the damaging effects caused by the burning of fossil fuels. Topics that are explained in the book include mass production techniques of alternate energy and the ecological and commercial aspects of their production. Some of the diverse chapters in this text address the varied of alternatives that have been developed in the place of the burning of fossil fuels. The various advancements in this discipline are glanced at and their applications and ramifications are looked at in detail. This book will be very beneficial to students, experts, researchers, scientists and professionals engaged in the fields of conservation engineering, energy engineering and green technology development.

Oliver Haghi

ISBN
978-1-68286-458-6

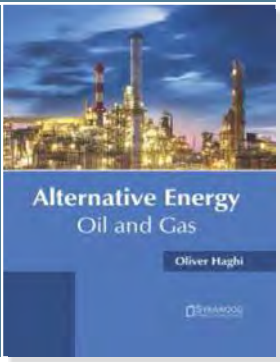
$152.99 US

Pub Year: 2017

Book Size: 8.5”x11”

247pp. Colored

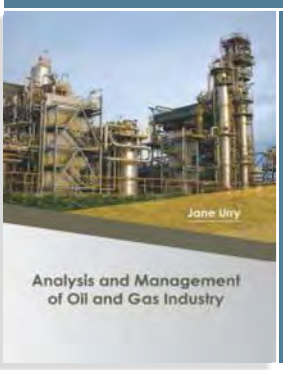
Hardback



Analysis and Management of Oil and Gas Industry

Petroleum Engineering

The oil and gas industry is one of the most thriving industries at the moment. Exploration and research in this field is done with meticulous care. Management of commercial oil wells and oil extraction are processes of global interest. This book on the oil and gas industry compiles various researchers related to this multifaceted industry. The ever growing need of advanced technology is the reason that has fueled the research in this field in recent times. The various advancements of the oil and gas sector are glanced at in this book and their applications as well as ramifications are looked at in detail. Scientists and students actively engaged in the field of oil and gas exploration and management will find this book full of crucial and explored concepts. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge.



Jane Urry

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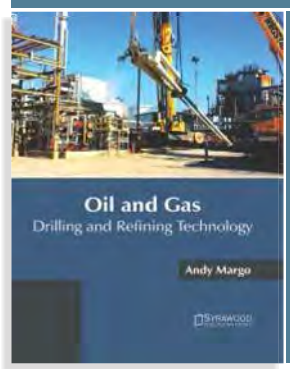
243pp. Colored

Hardback

Petroleum Engineering



Andy Margo
ISBN
978-1-68286-484-5
$135.99 US
Pub Year: 2017
Book Size: 8.5"x11"
204pp. Colored
Hardback

Oil and Gas: Drilling and Refining Technology

This book on oil and gas technologies discusses topics related to oil and gas drilling, reservoir engineering and the use of hydraulic mechanisms for crude oil extraction. Various methods that optimize oil extraction and oil recovery are highlighted in the chapters. Profitable and effective manufacture of technology, extracting larger amounts of oil per engineering cycle and creating sustainable and eco-friendly practices are some current concerns in oil and gas engineering. This book elucidates new techniques and their applications in a multidisciplinary approach. For someone with an interest and eye for detail, this book covers the most significant topics in the field of petroleum science and engineering. With its detailed analyses and data, it will prove immensely beneficial to professionals and students involved in this area at various levels.

Science and Technology of Petroleum

Petroleum exploration and engineering is the study of methods and techniques that are used in petroleum extraction and refining. The petroleum industry relies on various processes that gather, process, transport, store and pipeline crude oil and petroleum. Liquefied petroleum gas is merely one of the many products of petroleum. Hydrocarbon distillation and purification are the main processes that take place in an oil refinery. The topics covered in this extensive book deal with the core subjects of petroleum engineering. The aim of this book is to present researches that have transformed this discipline and aided its advancement. It presents researches and studies performed by experts across the globe which will provide innovative insights to readers.

Petroleum Engineering

Michael Dedini
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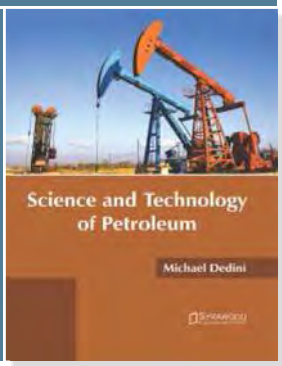
Hardback



Energy

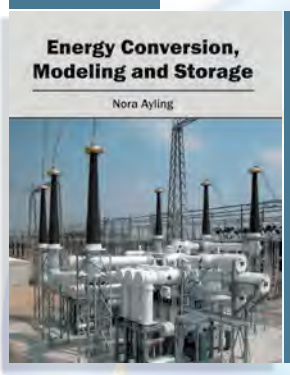
Clean Energy and Environment

The rising levels of pollution and depleting resources have given rise to the concept of clean energy. The modern times demand for a massive amount of energy to power the industries. This book delves into the varied sources of clean energy along with discussing their availability and effects on the environment. It discusses the tools and techniques required to harness clean energy and how it can be employed as a power source. Some interesting concepts such as smart grids, electric vehicles, power system planning and protection are discussed in detail. This book aims to provide the readers with an advanced understanding of this rapidly expanding field. It encompasses researches from all parts of the world to provide the readers with a global outlook on the importance of clean energy and the existing production methods and modules. Researchers, scholars and students will find this book beneficial.

Marrianne Fox

ISBN
978-1-68286-367-1
$156.99 US
Pub Year: 2016
Book Size: 8.5”x11”
284pp. Colored
Hardback

Energy



Energy Conversion, Modeling and Storage

Nora Ayling

ISBN
978-1-68286-206-3
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
244pp. Colored
Hardback

Energy conversion and storage technology are crucial to sustainable energy harvesting & production, and meeting energy requirements for future generations. Chapters included in this book provide a detailed explanation of the various concepts and applications of alternative energy extraction and production, energy modeling and storage, energy conservation, assessing alternative energy potential, etc. The aim of this book is to present researches that have transformed this discipline and aided its advancement. This book will serve as a reference to a broad spectrum of readers.

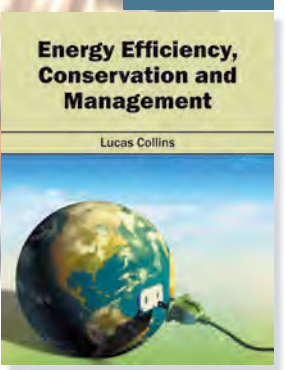
Energy

Energy Efficiency, Conservation and Management

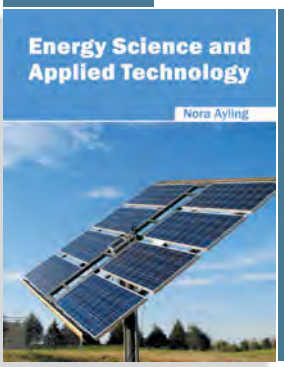
Scientists and energy experts across the globe are devising new measures to address the apparent energy crisis through measures for energy efficiency and conservation. This book discusses the modern concepts and practices in the field of energy efficiency and conservation. It contains some of the most significant topics related to the field of energy management such as energy consumption trends in different regions of the world, enhancing energy extraction processes, etc. Students and researchers will find the case-studies included in this book very helpful.

Lucas Collins

ISBN
978-1-68286-240-7
$152.99 US
Pub Year: 2016
Book Size: 8.5”x11”
260pp. Colored
Hardback



Energy



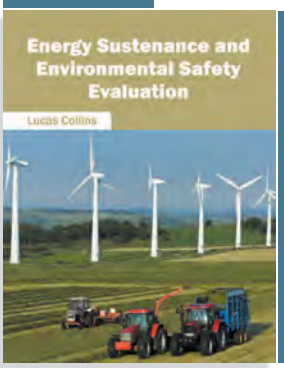
Energy Science and Applied Technology

Nora Ayling

ISBN
978-1-68286-235-3
$152.99 US
Pub Year: 2016
Book Size: 8.5”x11”
261pp. Colored
Hardback

The study of energy science is aimed at promoting efficient usage of energy, research and development of cost effective and sustainable energy solutions. This book on energy science focuses on acquainting the readers with practical applications of the subject such as alternative sources of energy, environmental impacts, energy conservation, etc. This innovative and comprehensive book integrates the well-developed theory and practical applications of energy science. It will be well suited for both students and research scholars pursuing energy sciences or associated disciplines.

Energy



Lucas Collins

ISBN
978-1-68286-026-7
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
199pp. Colored
Hardback

Energy Sustenance and Environmental Safety Evaluation

Sustenance of energy is a prime concern of the modern world, especially due to the growing population and depleting resources. This book is the collective contribution of internationally renowned scientists and academicians and would help graduate and post graduate students of environmental studies and associated disciplines to gain comprehensive insights into topics like environmental impact of energy, mitigation of environmental impacts, sustainable development, etc. This book will be beneficial for students, researchers and professionals engaged in the fields of energy and environment.

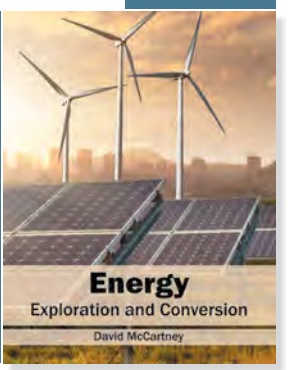
Energy: Exploration and Conversion

The demand for energy is constantly on the rise. This has led to advanced research in this field. The aim of this book is to present researches that have facilitated energy exploration. This book covers in detail some existent theories and innovative concepts revolving around energy exploration and conversion, such as energy storage, power supply, distributed generation, power transmission, energy generation, etc. With state-of-the-art inputs by acclaimed experts of the field, this book targets students and professionals alike.

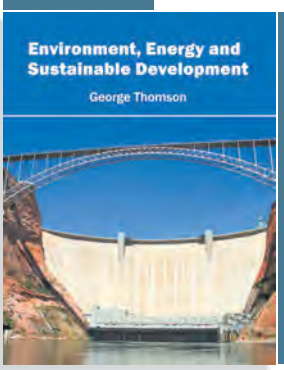
Energy

David McCartney

ISBN
978-1-68286-282-7
$152.99 US
Pub Year: 2016
Book Size: 8.5”x11”
270pp. Colored
Hardback



Energy



George Thomson

ISBN
978-1-68286-300-8
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
275pp. Colored
Hardback

Environment, Energy and Sustainable Development

Energy is indispensable for development. There is critical need for a cleaner energy technology for sustainable growth in the modern times. This book discusses the sources of energy and the impact they have on the environment in depth with a special focus on renewable sources of energy like hydroelectricity, solar energy, wind energy, etc. It consists of researches contributed by experts from the field of environment and energy sciences. The aim of this text is to acquaint the readers with concepts like sustainability and effective environmental protection. It is ideal for environmentalists and researchers.

Fuels, Energy and the Environment

This book explores all the important aspects of fuel resources and energy production while considering their environmental impacts. Some of the vital concepts related to this field are discussed in detail such as characteristics of fuels, alternative energy resources, negative impacts of fuel consumption on environment, energy conversion and recycling, global warming, etc. Different approaches, evaluations, methodologies and advanced studies in this field have been included in this book. Scientists and students engaged in this field will find this book full of crucial and unexplored concepts.

Energy

Kurt Marcel

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Pub Year: 2016
Book Size: 8.5”x11”
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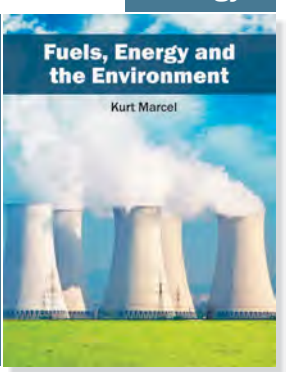

Energy

New Frontiers in Energy Engineering

Energy engineering is a rapidly emerging field that focuses on outlining regulations and measures for efficient use of energy resources and sustainable consumption of energy. This book unravels the recent studies in this field with respect to topics such as energy and sustainable development, evaluation of renewable energy production, ecosystem research, assessment and management of environmental risk and safety, etc. The extensive content of this book provides the readers with a thorough understanding of the subject.

Nora Ayling

ISBN 978-1-68286-258-2

$152.99 US

Pub Year: 2016

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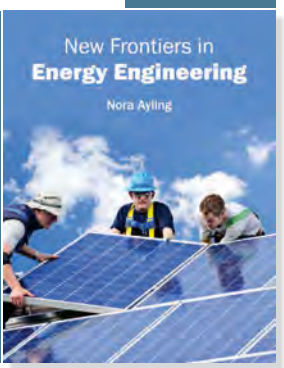
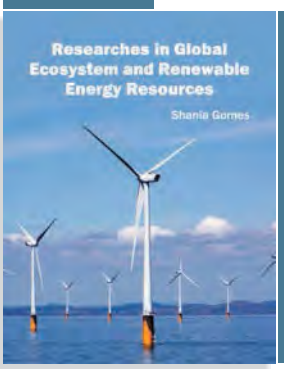


Energy



Shania Gomes

ISBN 978-1-68286-034-2

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

201pp. Colored

Hardback

Researches in Global Ecosystem and Renewable Energy Resources

There has been an emphasis on using renewable energy resources worldwide for addressing the emerging energy crisis and preservation of global ecosystems. This book brings forth some of the most innovative concepts and elucidates the unexplored aspects of this field. The topics included herein are monitoring carbon emissions from different sources, climate variability, evaluation of various fuel and energy sources and their impact on environment, etc. The book is aimed at providing a comprehensive understanding of the field to the students and researchers engaged in the field.

Renewable Energy

Alternative Energy and Hybrid Fuels

Hybrid fuels are considered as alternate options to replace fossil fuels because they have low carbon emission. They are evolving as alternative energy resources with least negative consequences. In recent years, this field has undergone extensive research and emerged as a field of great interest and importance. The book emphasizes on alternative energy services, energy efficiency and power engineering. It also deals with the various aspects and applications of energy resources, renewable energy and energy storage. The book elucidates the significant concepts and techniques of various related fields. Students and academicians related to this field will find this book helpful.

Craig Zodikoff

ISBN 978-1-68286-072-4

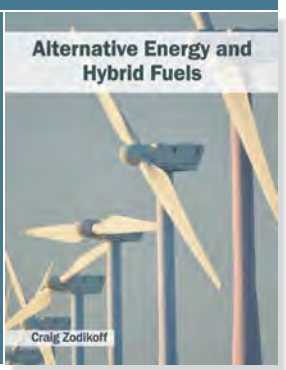
$144.99 US

Pub Year: 2016

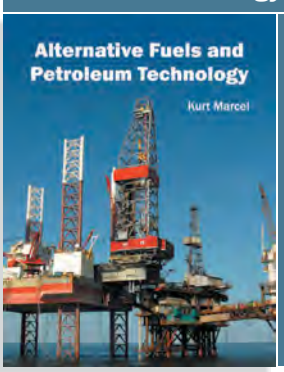
Book Size: 8.5”x11”

211pp. Colored

Hardback



Renewable Energy



Kurt Marcel

ISBN 978-1-68286-118-9

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

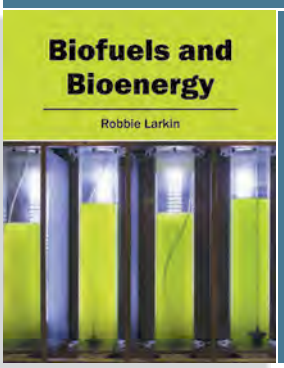
216pp. Colored

Hardback

Alternative Fuels and Petroleum Technology

Petroleum technology is a discipline that integrates concepts of several fields such as geology, engineering and geophysics; it primarily covers exploration and extraction of crude oils. However, depletion of conventional fuel sources and their extensive use has resulted into deterioration of environment and increased demand for exploration and consumption of alternative fuels. This book traces the availability of alternate fuels and highlights some of the key concepts and applications of these fuels. The topics included in this book on petrophysics, thermodynamics, biofuels are of utmost significance and bound to provide incredible insights to readers. This book includes contributions of experts and scientists which will provide a multidisciplinary perspective into the fields of alternative energy resources and petroleum technology.

Renewable Energy



Robbie Larkin
ISBN 978-1-68286-248-3
$152.99 US
Pub Year: 2016
Book Size: 8.5"x11"
263pp. Colored
Hardback

Biofuels and Bioenergy

Biofuels are rapidly emerging as a significant source of alternative energy around various parts of the world. They are produced with the help of plant extracts, biomass, agricultural wastes, etc. This innovative and comprehensive book integrates the well-developed theory and practical applications of bioenergy and biofuels with concepts such as biomass pretreatment, enzyme production, biodegradable wastes, biodiesel, biocatalytic conversion, etc. A number of latest researches have been included to keep the readers up-to-date with the important concepts and advancements in this area of study. Those in search of information to further their knowledge about biofuels and bioenergy will be greatly assisted by this book.

Renewable Energy

Ecosystem Management and Non-Conventional Energy Sources

Ecosystem management revolves around the conservation and efficient use of natural resources. This book includes contributions and latest researches by international experts in the field of ecosystem management and alternative sources of energy which will further provide an insight into the sustainable management of the ecosystem. The objective of this book is to give a general view of the different topics associated with this field such as waste disposal techniques, water purification and management, alternative energy production, organic waste management and treatment, etc. Those seeking further information in this field will be greatly assisted by this book.

Craig Zodikoff
ISBN 978-1-68286-173-8
$149.99 US
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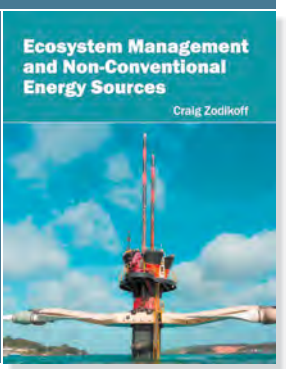
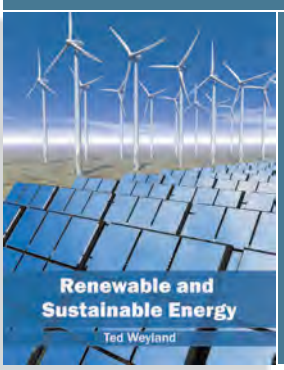
Book Size: 8.5"x11"
225pp. Colored
Hardback



Renewable Energy



Ted Weyland
ISBN 978-1-68286-111-0
$144.99 US
Pub Year: 2016
Book Size: 8.5"x11"
213pp. Colored
Hardback

Renewable and Sustainable Energy

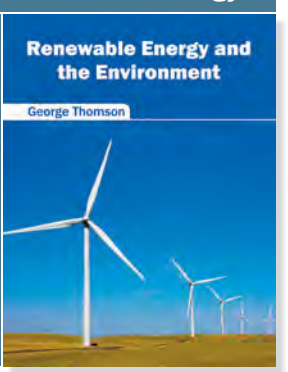
The book provides a detailed study on renewable and sustainable energy and covers full range of renewable and sustainable energy technologies. The text outlines technological principles behind deriving power from solar, wind and hydro energy sources. It aims to elucidate the environmental impacts and future prospects of renewable energy harvesting. The chapters included in this book have undergone a tremendous reviewing process and makes this book a reliable source of information. The book provides a valuable insight into the field of renewable and sustainable energy. This book will serve as a resource guide for environmentalists, engineers, students, researchers and professionals.

Renewable Energy

Renewable Energy and the Environment

There is a worldwide effort by various organizations and governments of different countries to enhance the production of energy and power from diverse renewable sources. The main motive behind this shift is to reduce the harmful effects of conventional fuels on environment as well as reduce the burden on already depleting reserves of traditional fuel sources. This book attempts to elucidate the major topics of the field such as power production and supply through renewable sources, future energy resources, sustainable energy policies, trends in energy consumption from different parts of the globe, etc. The extensive content of the book would help students and researchers to delve further in this field of study.

George Thomson
ISBN 978-1-68286-064-9
$144.99 US
Pub Year: 2016
Book Size: 8.5"x11"
209pp. Colored
Hardback



Renewable Energy

Renewable Energy Resources

This book provides a detailed study on renewable energy resources covering the full range of renewable energy technologies and their implementations. Renewable energy mitigates pollution and climate changes. These benefits are analyzed and illustrated with case studies and examples in this text. The book includes reviews of methods and techniques for applications of renewable energy such as electrical power, etc. The chapters included herein have undergone a tremendous reviewing process and aims to serve as valuable reference for graduates, researchers and professionals.

George Thomson
ISBN 978-1-68286-335-0
$156.99 US
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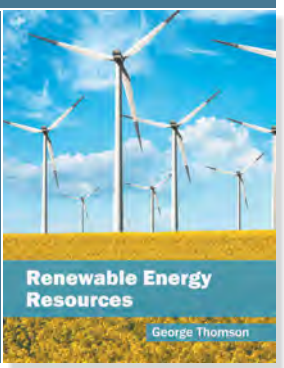
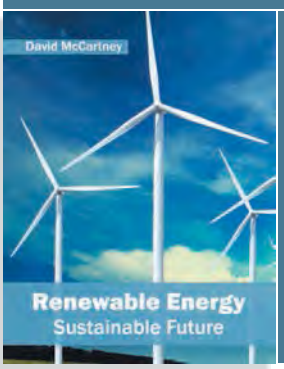
279pp. Colored
Hardback



Renewable Energy



David McCartney
ISBN 978-1-68286-328-2
$154.99 US
Pub Year: 2016
Book Size: 8.5"x11"
276pp. Colored
Hardback

Renewable Energy: Sustainable Future

Renewable energy is naturally replenished and is derived from inexhaustible natural sources. The discipline of renewable energy primarily includes biofuel, hydropower, geothermal, solar and wind energy. Renewable energy replaces conventional fuels and provides a solution to current environmental challenges such as the clean energy issues and greenhouse effect. Rapid development and technological diversification of energy resources have resulted in economic and environmental benefits. This book attempts to foster knowledge on various renewable energy systems and components. It compiles researches on different economic strategies regarding renewable energy sources and systems. The book aims to help students, researchers and scientists.

Renewable Energy

Sustainable Energy Harvesting

Energy harvesting refers to the process by which energy is extracted from vast sources and stored for use by low-energy devices. The subjects discussed in this book that address the various aspects which fall under this field are energy conversion and storage, designing energy efficient systems, developing advanced technologies for enhancing extraction of renewable energy, etc. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject. It will prove to be an invaluable resource for academicians and professionals alike.

Ted Weyland
ISBN 978-1-68286-114-1
$144.99 US
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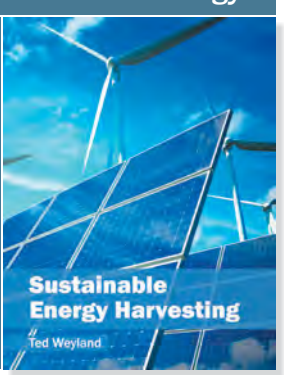
212pp. Colored
Hardback



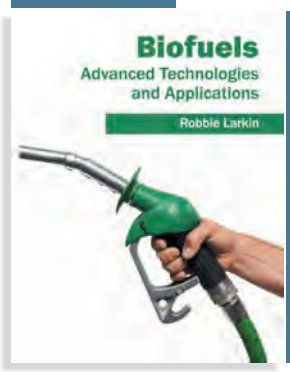
Renewable Energy

Marrianne Fox
ISBN 978-1-68286-372-5
$156.99 US
Pub Year: 2016
Book Size: 8.5"x11"
285pp. Colored
Hardback

Green Energy

Green energy has gained global significance with increasing demand and need for sustainable energy resources. There has been a significant focus on procuring energy from non-conventional, natural resources like sunlight, tides, plants, algae, etc. This book contains some path-breaking studies that explore various aspects of renewable energy. The topics included in this book on energy efficiency and energy security are of utmost significance and bound to provide incredible insights to readers. The book presents researches and case-studies performed by experts across the globe which emphasize on global socio-economic issues and different alternative energy resources. Those in search of information to further their knowledge will be greatly assisted by this book.

Biofuels



Robbie Larkin
ISBN 978-1-68286-076-2
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
214pp. Colored
Hardback

Biofuels: Advanced Technologies and Applications

Biofuels have become prominent source of fuel in the last few decades. They are primarily produced from plants, agricultural and domestic waste. This book contains some interesting topics that offer an exhaustive insight into the field of biofuels such as enzyme formation, degradation of biomass, cellulose and alcohol production, genomics, etc. Researches and case studies by eminent scientists and experts on biofuels have been included in this book. This book is an essential guide for both professionals and those who wish to pursue this discipline further.

Biomass: Sustainable Energy Resource

Biomass has emerged as one of the most prominent sustainable energy resource in the past few decades. It refers to the waste produced by plant or animal sources, and is a renewable source for fuel production. Included in this book, is a detailed explanation of the various concepts such as methods of growing energy crops, biomass consumption technology, and biofuel production and conversion. This book traces the progress of this field and highlights some of its key concepts and applications. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline.

Biofuels

Hannah Seabrook
ISBN 978-1-68286-359-6
$156.99 US
Pub Year: 2016
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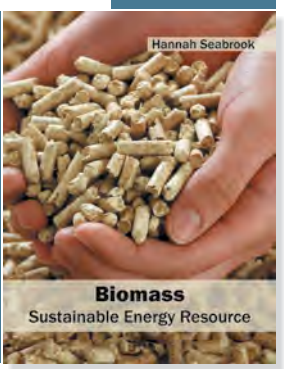
283pp. Colored
Hardback



Biofuels

Craig Zodikoff
ISBN 978-1-68286-249-0
$152.99 US
Pub Year: 2016
Book Size: 8.5”x11”
268pp. Colored
Hardback

Biotechnology for Alternative Fuels

There has been an increasing demand for alternative fuels because of the alarming fuel crisis. Biofuels like bioethanol, biodiesel, etc. have become prominent fuel sources. Biotechnology and its techniques play a major role in production of these fuels. Some of the crucial topics that provide a comprehensive understanding of this subject are included in this book like microbial biotechnology, metabolic engineering, waste management, industrial fermentation, etc. As this field is emerging at a fast pace, this book will help the readers to better understand the applications of biotechnology for production of alternative fuels.

Petroleum Engineering

Industrial Applications of Oil and Gas Resources

Oil and gas act as both raw materials and fuels to the industrial sector across the globe. This book discusses the tools and techniques employed for exploration and production of oil and gas. It also elucidates the process for refining of petroleum. Some emerging sources for alternative energy have also been covered herein. It strives to provide a fair idea about this subject to students, and also helps academicians and researchers to help develop a better understanding of the latest technological advances within this field.

Oliver Haghi
ISBN 978-1-68286-140-0
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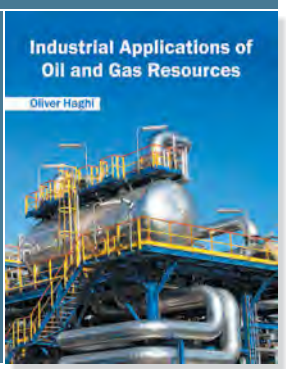
Hardback



Oil and Gas Engineering

Petroleum Engineering

Oil and gas engineering pertains to the effective extraction and management of oil and gas resources. This book covers individual branches associated with oil and gas engineering and explains their need and contribution in the context of a growing economy. Included herein are topics like techniques of oil refining, natural gas utilization, petrochemicals, etc. As this field is emerging at a rapid pace, the contents of this text will help the readers understand the modern concepts and applications of the subject. This book on oil and gas engineering is a collective contribution of a renowned group of international experts.

Jane Urry
ISBN 978-1-68286-102-8
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Pub Year: 2016
Book Size: 8.5”x11”
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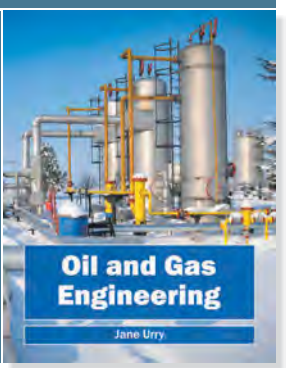
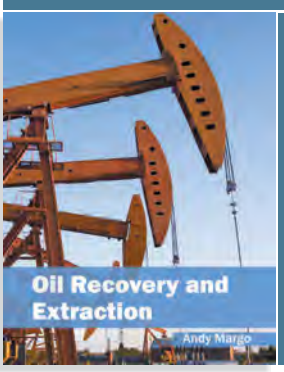
Hardback



Oil Recovery and Extraction

Petroleum Engineering

In contemporary times, oil is one of the most crucial non-renewable sources of energy. Exploration and extraction of oil is a complex process. The task of managing oil resources is challenging, thus it becomes important to discover and implement innovative technologies. This book covers all the important areas within petroleum science and crude oil exploration such as reservoir simulations, subsurface analysis and drilling technology. It outlines various advanced techniques of extraction and the cost involved. The aim of this book is to serve as a great source of information for students, geoscientists, researchers and engineers engaged in the petroleum industry.



Andy Margo
ISBN 978-1-68286-103-5
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Pub Year: 2016
Book Size: 8.5”x11”
211pp. Colored
Hardback

Oil, Gas and Petrochemical: Processing, Production and Management

Petroleum Engineering

Different approaches, evaluations, techniques and advanced studies on processing and production of oil, gas and petrochemicals have been included in this book. Diverse range of topics such as uses of petrochemicals, their production and refinement, natural gas, etc. have been covered in this text in a comprehensive manner. With state-of-the-art inputs by acclaimed experts of this field, this book targets students and professionals alike. It will help new researchers by foregrounding their knowledge in this branch.

Jane Urry
ISBN 978-1-68286-070-0
$144.99 US
Pub Year: 2016
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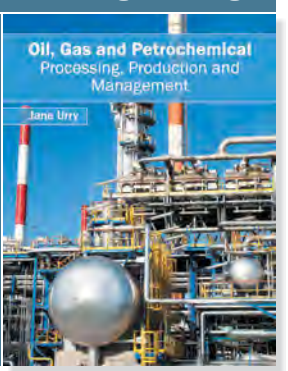
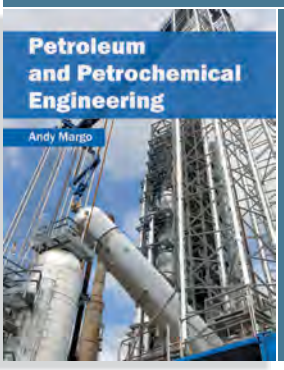
211pp. Colored
Hardback



Petroleum and Petrochemical Engineering

Petroleum Engineering

Petroleum and petrochemical engineering is an emerging field aimed at production of fuels, natural gases and petrochemicals. There has been a tremendous surge in the last few decades for exploration of new hydrocarbon deposits as well as improving the refining and distillation processes for maximum recovery of crude deposits from the reservoirs. It is a multidisciplinary field that includes concepts and technological aspects of geological, mechanical, civil and chemical engineering. This book provides an in-depth explanation of the various processes involved in petroleum and petrochemical engineering such as drilling, processing and technical analysis of petrochemicals. Some of the significant topics included in this book are design of petroleum plants and reservoirs, catalysis and synthesis of petrochemicals, reaction engineering, etc. Students, researchers, experts and engineers associated with petroleum engineering will benefit alike from this book.



Andy Margo
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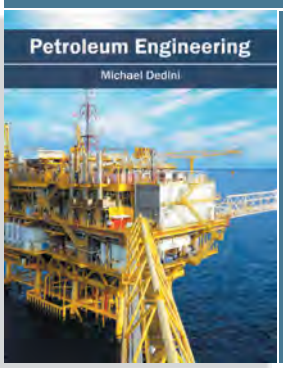
202pp. Colored
Hardback

Petroleum Engineering



Michael Dedini
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Book Size: 8.5”x11”
275pp. Colored
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Petroleum Engineering

Petroleum engineering is a prominent field that is concerned with the exploration and production of fuels like crude oil, natural gas and other related products. It is an interdisciplinary field that integrates concepts and applications of mineralogy, geology and other disciplines of engineering. The book elucidates various aspects of petroleum operations, petroleum geology and production engineering. The researches and case-studies compiled in this book are meant to provide an overview of the current practices and technological advancements in petroleum engineering across the globe. This book also aims to highlight some of the major impacts of petroleum engineering and mining on the environment. It will be helpful for students and researchers alike.

Petroleum Engineering

Petroleum Refining Processes

Petroleum engineering has undergone rapid transformation in the last few decades. The refining processes for conversion and extraction of crude oil from petroleum deposits particularly have evolved a lot. This book presents a thorough understanding of petroleum refining processes by discussing some of the significant topics in the field like the extraction procedures, design and maintenance of petroleum refineries, distillation of petroleum and petrochemicals, etc. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail. This book will serve as a reference to a broad spectrum of readers.

Michael Dedini
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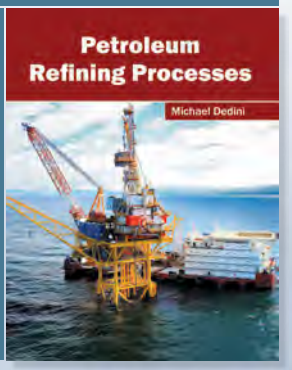
286pp. Colored
Hardback



Earth Science

Earthquake Engineering: Concepts and Applications

Earthquake engineering is the study and design of buildings that can withstand disasters such as earthquakes. This book on earthquake engineering discusses topics related to seismic activity detection and prevention as well as the building of earthquake-resistant buildings that are based on predetermined standards. The various sub-fields of earthquake engineering along with technological progress that have future implications are glanced at herein. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area at various levels. For someone with an interest and eye for detail, this book covers the most significant topics in the field of earthquake engineering.

Agnes Nolan

ISBN
978-1-68286-487-6

$144.99 US

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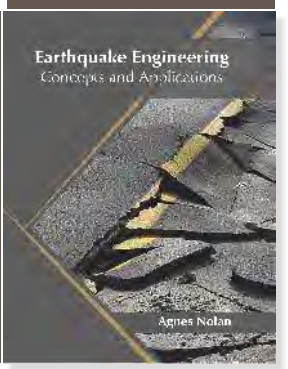
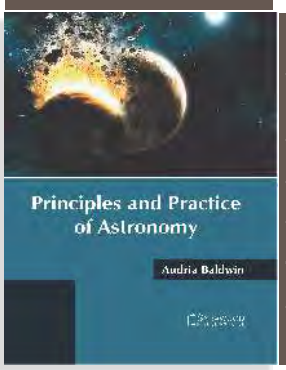
Book Size: 7"×10"

230pp. Colored

Hardback



Earth Science



Audria Baldwin

ISBN
978-1-68286-485-2

$140.99 US

Pub Year: 2017

Book Size: 8.5"x11"

223pp. Colored

Hardback

Principles and Practice of Astronomy

Astronomy is a vast field of study that delves into processes and evaluation of celestial objects. It is primarily divided into two branches, namely, observational astronomy and theoretical astronomy. This book aims to shed light on some of the unexplored aspects and the recent researches in this field. It is a compilation of chapters that discuss the most vital concepts and emerging trends in the area of astronomy. Different approaches, evaluations and methodologies related to this discipline have also been included. For all those who are interested in astronomy, this book can prove to be an essential guide.

Mining Engineering and Mineralogy

Mining Technology and Metallurgy

Metallurgy as a branch of materials science and engineering refers to the study of metallic elements, intermetallic compounds and alloys. The most important technique used to extract metals is mining. Therefore, metallurgy and mining are important to various industries. This book will talk about the various metals and their mining techniques and their importance in the industrial sector. The various advancements in mining and metallurgy are glanced at and their applications as well as ramifications are looked at in detail in this text. This book elucidates the concepts and innovative models around prospective developments with respect to these fields. While understanding the long terms perspective of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth in mining and metallurgy. Students, researchers, experts and all associated with this subject will benefit alike from the book.

Beth Thorpe

ISBN
978-1-68286-460-9

$124.99 US

Pub Year: 2017

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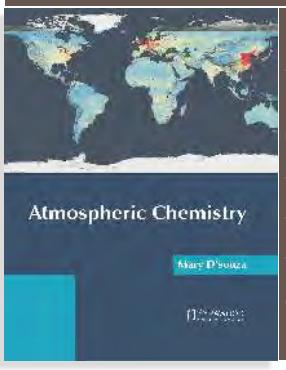
186pp. Colored

Hardback

Atmospheric Sciences



Mary D'souza

ISBN
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Book Size: 8.5"x11"

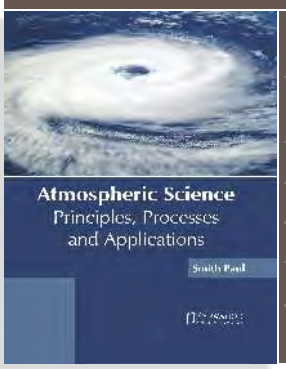
231pp. Colored

Hardback

Atmospheric Chemistry

This book unfolds the innovative aspects of atmospheric chemistry which will be crucial for the progress of this field in the future. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. A sub-discipline of atmospheric science, atmospheric chemistry combines principles of environmental chemistry, computational modeling, meteorology, etc. to study and analyze the chemical processes within the Earth's atmosphere. This book will serve as a reference to a broad spectrum of readers including climatologists, meteorologists, students, researchers and professionals engaged in the field of atmospheric science at various levels. It will help the readers in keeping pace with the rapid changes in this field.

Atmospheric Sciences



Smith Paul

ISBN
978-1-68286-449-4

$124.99 US

Pub Year: 2017

Book Size: 8.5”x11”

184pp. Colored

Hardback

Atmospheric Science: Principles, Processes and Applications

Atmospheric science deals with the study of the layers of the atmosphere, and studies the atmospheric composition of those regions. It branches out into various sub-fields such as atmospheric chemistry, climatology, atmospheric physics, etc. Topics included herein deal with atmospheric dynamics, climatology and meteorology. This book covers in detail some existent theories and innovative concepts revolving around atmospheric science. The various advancements in this discipline are glanced at along with their applications as well as ramifications. Different approaches, evaluations, methodologies and advanced studies in this field have also been included. This book on atmospheric science will serve as a guide for researchers and scholars in the fields of earth sciences, meteorology and atmospheric physics. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Remote Sensing: An environmental Approach

The book studies, analyses and uphold the pillars of remote sensing and its utmost significance in modern times. This field of study focuses on the acquisition of information about a particular object or a phenomenon primarily through on site observations. Remote sensing is finding its applications in multiple sectors such as for atmospheric observations, geological surveys, etc. The aim of this book is to present researchers that have transformed this field and aided its advancement. Different approaches, evaluations, techniques and methodologies revolving around remote sensing have been included in this text. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge.

Atmospheric Sciences

Matt Weilberg

ISBN
978-1-68286-464-7

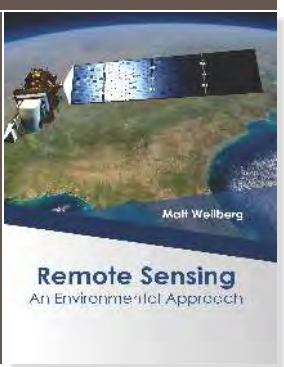
$140.99 US

Pub Year: 2017

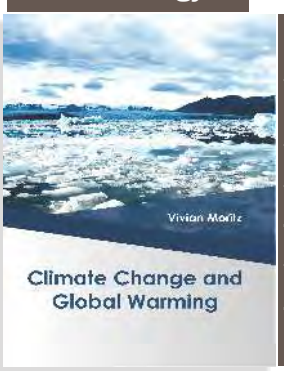
Book Size: 8.5”x11”

220pp. Colored

Hardback



Climatology



Vivian Moritz

ISBN
978-1-68286-446-3

$152.99 US

Pub Year: 2017

Book Size: 8.5”x11”

247pp. Colored

Hardback

Climate Change and Global Warming

Climate change and global warming are two most crucial, environmental concerns of our times. Researchers across the globe are devising methods and strategies to understand these phenomena and deal with them. Different approaches, evaluations, methodologies and advanced studies in this field have been included in this book. It highlights the different strategies and techniques of dealing with climate change and global warming through different case studies and extensive use of examples. This book is a vital tool for all researching or studying climate change and global warming as it gives incredible insights into emerging trends and concepts. It is an essential guide for both academicians and those who wish to pursue this discipline further.

Climatology and Paleoclimatology

Climatology is the scientific study of weather conditions and patterns with respect to a period of time whereas paleoclimatology focuses on changes in the Earth’s climate. Climatology and paleoclimatology play a crucial role in climate modeling and predicting the climate of the future. This book on climatology and paleoclimatology discusses the various climate models that have evolved over time. This text elucidates the concepts and innovative models around prospective developments with respect to climatology and paleoclimatology. It will be of great help to those researching in the fields of historical climatology, environmental design and meteorology. It aims to equip students and experts with the advanced topics and upcoming concepts in this area.

Climatology

Andrew Hyman

ISBN
978-1-68286-448-7

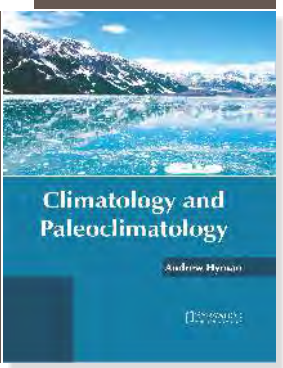
$149.99 US

Pub Year: 2017

Book Size: 8.5”x11”

235pp. Colored

Hardback



Climatology

Handbook of Climate Modelling and Planning

Climate modelling is the design of artificial models using quantitative methods for climate prediction. Climate modelling is a sophisticated science that takes into account the transfer of energy between ecological bodies, changes in temperature levels in the atmosphere and at surface levels and fluid and hydrological motion that is observed every day. Special consideration is given to the changes caused due to greenhouse gas emissions as well as the rapid deterioration of the ozone. This book will be of great help to students, experts and professionals in the fields of climatology, meteorology and geography. For all those who are interested in climate modelling, this book can prove to be an essential guide. This book traces the progress of this field and highlights some of its key concepts and applications. The topics included in this book on climate modeling are of utmost significance and bound to provide incredible insights to readers. It consists of contributions made by international experts.

Bruce Mullan

ISBN 978-1-68286-447-0

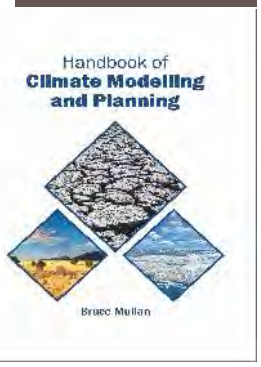
$149.99 US

Pub Year: 2017

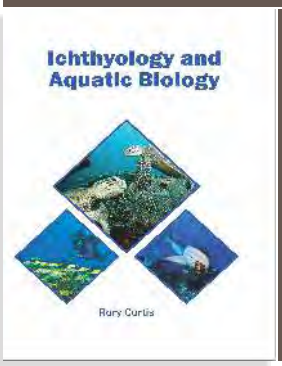
Book Size: 7.75"×10.5"

236pp. Colored

Hardback



Oceanography and Aquatic Ecology



Rory Curtis

ISBN 978-1-68286-467-8

$152.99 US

Pub Year: 2017

Book Size: 7.75"×10.5"

249pp. Colored

Hardback

Ichthyology and Aquatic Biology

This book includes some of the vital pieces of work being conducted across the world, on various topics related to ichthyology or the study of marine fish and its varied branches such as aquatic biology. The text also includes modern techniques of ichthyology that are practiced across the globe. While understanding the long-term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. This book is appropriate for students seeking detailed information in this area as well as for experts. It includes contributions of international scientists which will provide innovative insights into this field.

Oceanography and Aquatic Ecology

Principles of Oceanography

The objective of this book is to give a general view of the different areas of oceanography and its applications. It is the study of oceans borrowing from varied fields like biology, physics, climatology, geology, etc. Different approaches, evaluations, methodologies and advanced studies on oceanography have been included in this book. It is a compilation of topics which include the major principles of oceanography along with its branches like biological oceanography, chemical oceanography, geological oceanography and physical oceanography, to name few. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline. A number of latest researches have been included to keep the readers up-to-date with the global concepts in this area of study.

Theodore Roa

ISBN 978-1-68286-444-9

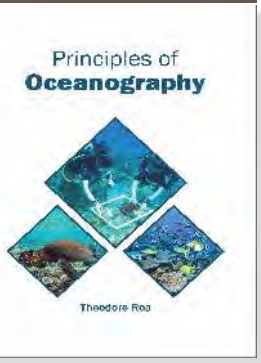
$149.99 US

Pub Year: 2017

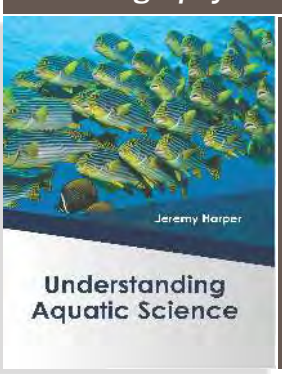
Book Size: 7.75"×10.5"

236pp. Colored

Hardback



Oceanography and Aquatic Ecology



Jeremy Harper

ISBN 978-1-68286-442-5

$149.99 US

Pub Year: 2017

Book Size: 8.5"x11"

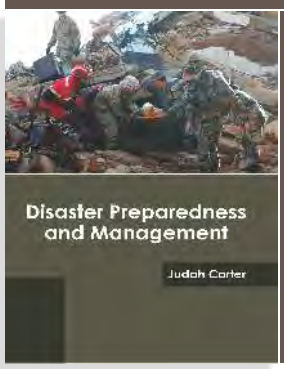
239pp. Colored

Hardback

Understanding Aquatic Science

Aquatic science is an emerging field of study which is multidisciplinary in nature. It is the study of aquatic systems. It closely studies both freshwater and marine systems. This book explores the various factors causing degeneration to the aquatic life and ecosystem. Aquatic science is a discipline that integrates several fields such as biogeochemistry, oceanography, marine biology, hydrology etc. The topics including in this book are of utmost significance and bound to provide incredible insights to readers. It includes some of the vital pieces of work being conducted across the world, on various aspects related to aquatic science. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge.

Disaster Management



Judah Carter

ISBN
978-1-68286-491-3

$144.99 US

Pub Year: 2017

Book Size: 8.5”x11”

232pp. Colored

Hardback

Disaster Preparedness and Management

Disaster preparedness is the process in which systematic programmes are created to reduce potential damages that are caused by disasters. This book on disaster preparedness and management takes into account all aspects of risk identification and vulnerability for pre-incident training and testing as well as incident assessment and accurate communication. The topics included in this book on disaster preparedness and management are of utmost significance and bound to provide incredible insights to readers. Different approaches, evaluations, methodologies and advanced studies on disaster preparedness and management have been included in this text. It will serve as a reference to a board spectrum of readers. The readers would gain knowledge that would broaden their perspective about this field.

Disaster Management

Natural Disasters: Challenges and Management

This book provides comprehensive insights into the field of natural disaster, its challenges and management. The subject area deals with study of events that are caused naturally resulting in damage to the natural life and the human life. The text aims to highlights the different types of natural disasters like floods, earthquakes, volcanic eruption, etc. This book is a compilation of different challenges faced and management strategies that are widely used across the globe. The objective of this book is to give a general view of the different phases of natural disasters. The book will help new researchers by foregrounding their knowledge in this branch.

Alfred Scott

ISBN
978-1-68286-465-4

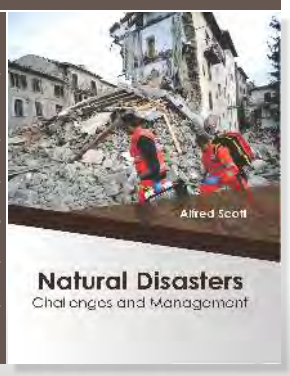
$144.99 US

Pub Year: 2017

Book Size: 8.5”x11”

233pp. Colored

Hardback



Biomineralization, Environmental Microbiology and Earth science

Biomineralization, environmental microbiology and earth science are closely related fields with interdisciplinary concepts and applications. This book encompasses research work of internationally renowned scientists and academicians. It aims to broaden the scope of these disciplines and aid their progress. Some significant topics discussed in this text are ecohydrology, geochemistry, climate variability, etc. It will prove extremely beneficial for students, researchers and professionals engaged in these fields.

Earth Science

Joe Carry

ISBN 978-1-68286-017-5

$139.99 US

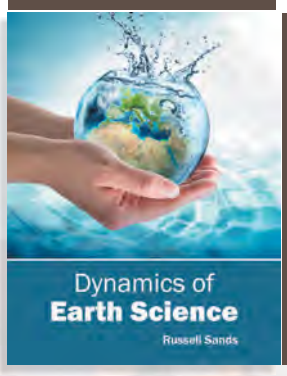
Pub Year: 2016

Book Size: 8.5"x11"

187pp. Colored

Hardback

Earth Science



Russell Sands

ISBN 978-1-68286-030-4

$144.99 US

Pub Year: 2016

Book Size: 8.5"x11"

199pp. Colored

Hardback

Dynamics of Earth Science

The discipline of earth science has undergone rapid development in the recent past. This book elucidates the concepts and innovative models around prospective developments with respect to the study of earth science. Some of the topics included in this text are upper mantle structure, lithosphere, sea-level indicators, etc. Comprising contributions of an eminent panel of internationally renowned scholars, this book is highly recommended for students pursuing geology, earth sciences and related fields of study. It will also prove to be a valuable reference material for research scholars and academicians.

Earth Surface Engineering and Technology

Earth surface engineering is an emerging field of study that incorporates concepts from different branches of earth science. This book traces the progress of this field and highlights some of its crucial aspects such as various processes shaping earth's surface, earth surface interaction with different spheres, advanced tools and instrumentation for evaluation and measurement of earth surface processes, etc. A number of latest researches have been included to keep the readers up-to-date with the emerging concepts in this area of study which will provide the readers with a thorough understanding of the subject.

Earth Science

Matt Weilberg

ISBN 978-1-68286-081-6

$144.99 US

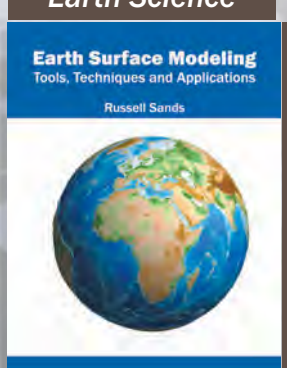
Pub Year: 2016

Book Size: 8.5"x11"

212pp. Colored

Hardback

Earth Science



Russell Sands

ISBN 978-1-68286-196-7

$149.99 US

Pub Year: 2016

Book Size: 8.5"x11"

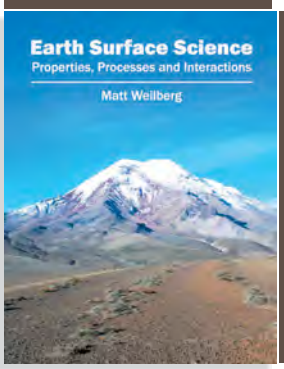
230pp. Colored

Hardback

Earth Surface Modeling: Tools, Techniques and Applications

Earth's surface is complex and dynamic. This all inclusive book on earth surface modeling gives comprehensive insights into the movements, changes and interactions of the earth's surface and enables the readers to understand various processes that happen within its crust. It elucidates the concepts and innovative models around prospective developments with respect to earth surface modeling, such as experimental and numerical modelling of earth surface processes, remote sensing, etc. This book consists of contributions made by international experts. It will be an apt resource for students pursuing graduation and post-graduation in earth sciences and allied disciplines.

Earth Science



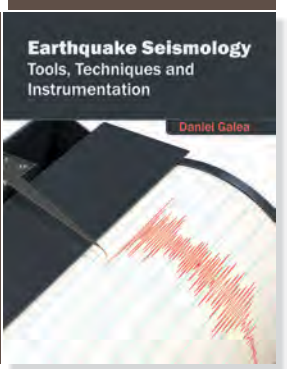
Matt Weilberg
ISBN 978-1-68286-019-9
$139.99 US
Pub Year: 2016
Book Size: 8.5"x11"
188pp. Colored
Hardback

Earth Surface Science: Properties, Processes and Interactions

Earth surface science helps in understanding the structure and nature of the various layers that form the earth's surface. This subject area integrates chemistry, physics, mathematics, and biology to develop a comprehensive understanding about the earth. The topics included in this book on earth surface science, such as remote sensing, interactions between various layers such as lithosphere, biosphere, hydrosphere, etc. are of utmost significance and bound to provide incredible insights to readers. This book is a complete source of knowledge on the present status of this important field and is highly recommended for students and researchers pursuing earth sciences.

Earth Science

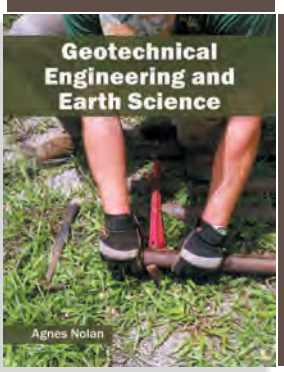
Daniel Galea
ISBN 978-1-68286-216-2
$154.99 US
Pub Year: 2016
Book Size: 8.5"x11"
252pp. Colored
Hardback



Earthquake Seismology: Tools, Techniques and Instrumentation

Seismology is a prominent scientific field that aims to understand and analyse the seismic waves and tectonic movements. It plays a crucial part in study of several interdisciplinary subjects like geophysics, earthquake engineering, etc. This text attempts to elucidate the latest instruments and techniques used in seismology. Some of the topics discussed in this extensive book are structural geology, tectonophysics, geodynamics and geomorphology which will provide a comprehensive overview of the discipline. It strives to present an exhaustive insight into the current progress and advancements in the field of seismology. Students, researchers and professionals associated with the field of seismology and allied fields will benefit alike from this book.

Earth Science



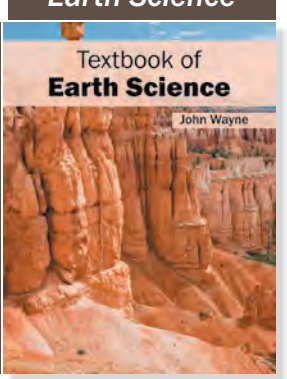
Agnes Nolan
ISBN 978-1-68286-091-5
$144.99 US
Pub Year: 2016
Book Size: 8.5"x11"
214pp. Colored
Hardback

Geotechnical Engineering and Earth Science

Geotechnical Engineering is a significant field of study in the discipline of civil engineering which primarily aims to understand the characteristics and composition of different soils, rocks, etc. This book aims to outline different data measurement systems and instrument used for assessment and evaluation in geotechnical engineering and related fields. The topics encompassed in this book elucidate some of the most significant techniques and instruments like magnetometer, data calibration mechanisms, remote sensing, etc. Researches and case studies included in this book are contributed by some of the most eminent experts and scientists in the field. Students and researchers actively engaged in the field will find this book full of crucial and unexplored concepts.

Earth Science

John Wayne
ISBN 978-1-68286-315-2
$154.99 US
Pub Year: 2016
Book Size: 8.5"x11"
272pp. Colored
Hardback



Textbook of Earth Science

Earth science is a discipline with a rich history. The progress of this discipline over decades has resulted in a better understanding of the dynamics of the planet earth. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in the field of earth science. Some of the diverse topics covered in this book address the varied branches that fall under this discipline. The topics that have been discussed in this book are structure of the earth, solid earth, continental surface, biogeochemistry, etc. This book on earth science is a collective contribution of a renowned group of international experts and it will serve as a valuable source of reference for graduate and post graduate students.

Understanding Landscapes

Earth Science

Landscapes are an important part of our ecosystem. They vary from tropical rain forests to deserts, from glaciers to wetlands, etc. This book emphasizes upon the scientific and educational aspects in understanding landscapes around the globe. It focuses upon the consequences of human activities and their impacts on landscapes. It explains various models, techniques and approaches in detail to analyse the human involvement, their perceptions and interactions with various landscapes. The book primarily aims to elucidate and suggest novel measures for improvements of landscapes and their surrounding ecosystems. Students, academicians and environmentalists will find this book full of innovative insights that would bring forth new topics for further discussion and research.

Alex Vedder

ISBN 978-1-68286-317-6

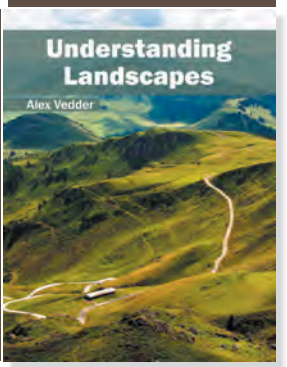
$154.99 US

Pub Year: 2016

Book Size: 8.5"x11"

217pp. Colored

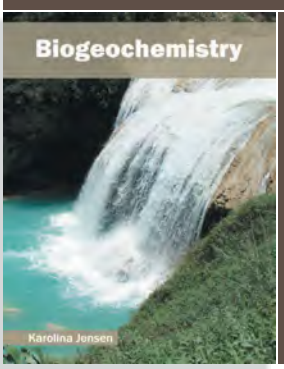
Hardback



Biogeochemistry

Geology and Geosciences

Biogeochemistry is the scientific discipline which focuses on understanding the characteristics and behaviour of chemical elements in biological systems and their interaction with living organisms. The significant topics encompassed in this book are biogeochemical cycles of chemical elements like carbon and nitrogen, soil formation and remediation, chemical composition of natural waters and their interaction with other substances, origin of petroleum and coal deposits, etc. It strives to provide a comprehensive idea about this discipline and to help develop a better understanding of the latest advances within this field. This book will serve as a reference to a broad spectrum of readers.



Karolina Jensen

ISBN 978-1-68286-077-9

$144.99 US

Pub Year: 2016

Book Size: 8.5"x11"

212pp. Colored

Hardback

Current Progress in Biogeophysics and Biogeochemistry

Geology and Geosciences

Biogeochemistry and biogeophysics are branches of biogeosciences which focus on the study of diverse processes occurring within the environment. This book includes some of the vital pieces of work being conducted across the world on various topics related to biogeophysics and biogeochemistry. Some of the topics that have been elucidated in this book are interactions between microbes and organic matter sediments, study of gas exchange and gas cycles, global elemental cycles, etc. This book caters to graduate and postgraduate students along with scholars and researchers in the field of biogeosciences and associated fields of study.

Karl Seibert

ISBN 978-1-68286-297-1

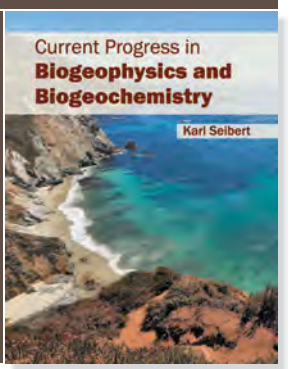
$154.99 US

Pub Year: 2016

Book Size: 8.5"x11"

275pp. Colored

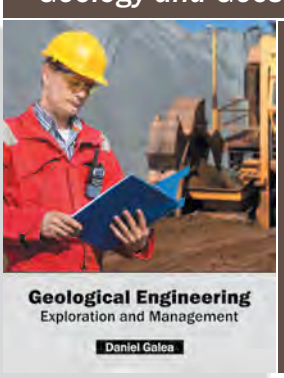
Hardback



Geological Engineering: Exploration and Management

Geology and Geosciences

Geological engineering is an interdisciplinary approach to study the applications of geological sciences and engineering. It includes management of engineering works through evaluation of geological factors involved. Geological engineering covers a broad spectrum of fields like drilling engineering, petrochemicals, civil engineering, gas processing etc. Geotechnical engineering, mineralogy and planetary geology are also studied under this discipline. This book examines various techniques, methods and practices developed in this field. Students, researchers and professionals engaged in this field will find this text beneficial.



Daniel Galea

ISBN 978-1-68286-124-0

$144.99 US

Pub Year: 2016

Book Size: 8.5"x11"

213pp. Colored

Hardback

Geology and Geosciences

Ken Shaw
ISBN
978-1-68286-089-2
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
212pp. Colored
Hardback

Geomorphology: An Earth Science Overview

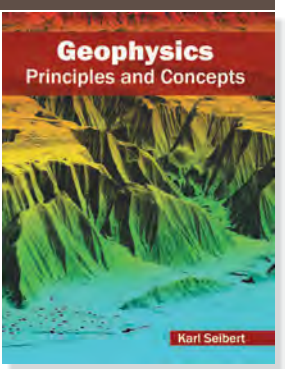
Geomorphology is an important field in the discipline of earth science that aims to analyze the formation of earth’s topographic features by various physical and chemical interactions. Some of the chapters included in this book discuss significant concepts of geomorphology like data measurement and analysis, interaction between different spheres, remote sensing and modeling of earth surface processes, etc. It aims to shed light on some of the unexplored aspects of geomorphology and the recent researches in this field which will make this book an invaluable resource for academicians and professionals alike.

Geology and Geosciences

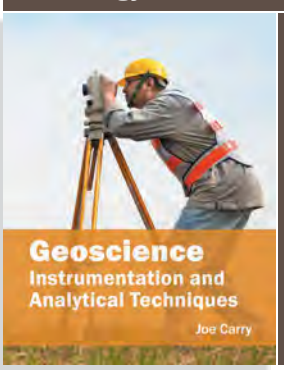
Geophysics: Principles and Concepts

Geophysics as a discipline, studies in detail the physical characteristics of earth and its environment. This field explores the internal structure of earth, surface dynamics and other phenomena of earth. The chapters provided in this book exhaustively discuss the theories of earth’s structure and shape, seismology, fluid dynamics of oceans, and magnetic fields. The book presents researches and studies performed by experts across the globe. It aims to serve as a reference text for students and professionals alike and contribute to the growth of the discipline.

Karl Seibert
ISBN
978-1-68286-051-9
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
204pp. Colored
Hardback



Geology and Geosciences



Joe Carry
ISBN
978-1-68286-090-8
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
212pp. Colored
Hardback

Geoscience: Instrumentation and Analytical Techniques

Geoscience is a vast field of study which integrates concepts from different disciplines such as geology, atmosphere, hydrology, etc. This book aims to describe the various instruments and analytical techniques used in evaluation and assessment of geoscientific fields. Some of the topics explored in this book are data management systems, remote sensing techniques, evaluation of different measurements, etc. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail. Students, researchers, and professionals associated with geoscience will benefit alike from this book.

Geology and Geosciences

Textbook of Geomorphology and Geodynamics

The various researches and developments taking place in the disciplines of geomorphology and geodynamics have enabled us to understand the origin and evolution of earth’s surface. This book consists of contributions made by international experts in the form of detailed discussions of various theories and concepts revolving around geochemistry, geophysics, sedimentology, seismology, tectonophysics, etc. Different approaches, evaluations, methodologies and advanced studies on geomorphology and geodynamics have been included in this book. Those in search of detailed information to further their knowledge will be greatly assisted by this book. This book is highly recommended for students, academicians and researchers pursuing geomorphology and associated sciences.

Ken Shaw
ISBN
978-1-68286-116-5
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
214pp. Colored
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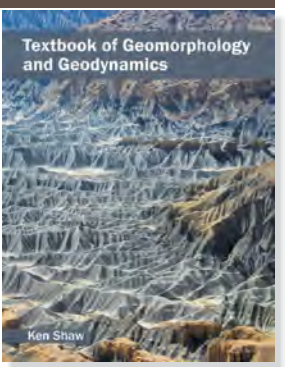


Applied Tools and Techniques in Drilling Engineering

Mining Engineering and Mineralogy

Drilling engineering has a diverse range of applications such as sedimentary rock dating, study of the earth's structure, processes happening in inner earth, etc. This book is compiled in such a manner, that it will provide in-depth knowledge about the theories and techniques of drilling. It discusses in detail the varied aspects of drilling such as seismology, types of drilling, methods of drilling, tectonic processes, geochemistry, etc. This book will serve as a reference to a broad spectrum of readers.

Alexis Federer

ISBN 978-1-68286-164-6

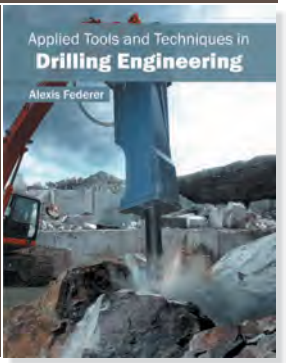
$149.99 US

Pub Year: 2016

Book Size: 8.5"x11"

225pp. Colored

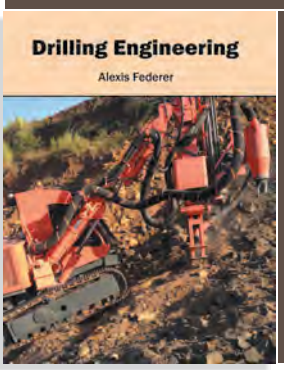
Hardback



Drilling Engineering

Mining Engineering and Mineralogy

Drilling engineering is an important field of study that focuses on understanding the significant concepts and emerging technologies in drilling and excavations. The book aims to provide a comprehensive overview of the various techniques and practice involved in the process of drilling. Most of the topics included in this book such as geology, geochemistry, seismology, micropaleontology, etc. are bound to provide a multidisciplinary perspective of this field. The case studies in this book have been contributed by an international panel of experts. It attempts to assist those who are seeking detailed information in the field of drilling engineering.



Alexis Federer

ISBN 978-1-68286-349-7

$156.99 US

Pub Year: 2016

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Drilling Technology Handbook

Mining Engineering and Mineralogy

Drilling technology has been remarkably useful in the study of geothermal sciences. Much has been found and understood about the earth's inner structure in the recent past owing to the progress of drilling and its scientific applications. This book contains some path-breaking studies in the field of drilling technology as it is a collective work of an eminent panel of internationally renowned scholars. Topics discussed in this book include instrumentation and observation, technological advances in drilling, earth sampling, mineral resources, etc. It strives to provide a fair idea about this discipline and develop a better understanding of the latest advances within this field. This book will serve as a reference to a broad spectrum of readers. It is highly recommended for students and researchers pursuing drilling technology and allied disciplines.

Annabelle Turner

ISBN 978-1-68286-343-5

$156.99 US

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285pp. Colored

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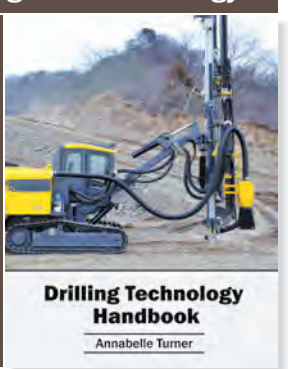

Mineral Engineering: Mining and Technology

Mining Engineering and Mineralogy

Mineral Engineering is an emerging field of study that deals with the process of mining for minerals from different sources using innovative techniques and processing technologies. The topics included in this book elucidate on diverse concepts such as exploration and mining geology, advances in mineral analytical techniques, exploration of different mineral resources, industrial applications of minerals, etc. It contains contribution by eminent experts and scientists. This book focuses on the various advancements in this field and will prove to be immensely beneficial to students and researchers in this field.

Beth Thorpe

ISBN 978-1-68286-149-3

$144.99 US

Pub Year: 2016

Book Size: 8.5"x11"

215pp. Colored

Hardback

Mining Engineering and Mineralogy

John Wayne

ISBN 978-1-68286-141-7

$144.99 US

Pub Year: 2016

Book Size: 8.5"x11"

214pp. Colored

Hardback

Mineralogy and Mineral Analytical Techniques

Mineralogy focuses on the chemical and physical properties of minerals. This book explores industrial minerals in new light. It delves into mineral metallurgy, advances in analytical techniques, exploration techniques, etc. This book is a vital tool for everyone engaged in this field. Scientists and students of geology, and associated disciplines will find this book full of crucial and unexplored concepts.

Mining Engineering and Mineralogy

Beth Thorpe

ISBN 978-1-68286-257-5

$152.99 US

Pub Year: 2016

Book Size: 8.5"x11"

265pp. Colored

Hardback

Mining Engineering

Mining Engineering is an emerging branch of engineering focusing upon the extraction and processing of minerals from their natural state. It is intertwined with other engineering disciplines like geotechnical engineering, metallurgy and mineral science. It concerns not only the production of minerals but the sustainability of resources as well. The book compiles the diverse practices of mining simulation and mining equipment. It takes into account the exploration, discovery and determination of minerals through different techniques. This book covers various methodologies and models involved in the study of mining engineering collated by eminent industry experts and academicians from across the globe.

Mining Engineering and Mineralogy

Beth Thorpe

ISBN 978-1-68286-180-6

$149.99 US

Pub Year: 2016

Book Size: 8.5"x11"

220pp. Colored

Hardback

Mining Geology: Exploration and Management

Mining is a significant economic activity. The recent advances in technology have aided the tools and techniques used in mining processes. This book is an extensive source of knowledge which discusses the technological advances in mining and mineral engineering. It also throws light on new minerals, gem deposits, biomineralogy, etc. This text will prove beneficial to students, geologists, researchers and professionals engaged in this field.

Atmospheric Sciences

Mary D'souza

ISBN 978-1-68286-000-7

$124.99 US

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117pp. Colored

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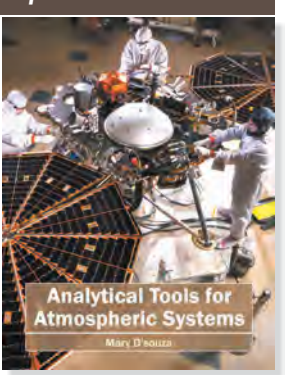

Analytical Tools for Atmospheric Systems

The study of atmospheric systems focuses on the study of all the elements constituting earth's environment. It is an important field of science that has undergone rapid development over the past few decades. This book covers in detail some existent theories and innovative concepts such as application of remote sensing in analysis of different gases and aerosols, measurement of wind, precipitation, temperature, etc. Comprising of state-of-the-art inputs by acclaimed experts of this field, this book targets students and professionals involved in various branches of atmospheric sciences.

Atmospheric Sciences

Atmospheric Chemistry and Physics

Atmospheric chemistry and physics are two extremely significant branches of the interdisciplinary field of meteorology. This book is focused on the applications of atmospheric chemistry and physics for atmospheric modelling and evaluation. Some of the crucial concepts covered in this extensive book revolve around ozone damage, temperature profiling, aerosols, mesoscale modelling, etc. The innovative case studies presented in this book will provide in-depth knowledge of these fields. It will also further the scope of research in these areas. This book will serve as a reference text for students as well as professionals.

Bruce Mullan

ISBN 978-1-68286-247-6

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

266pp. Colored

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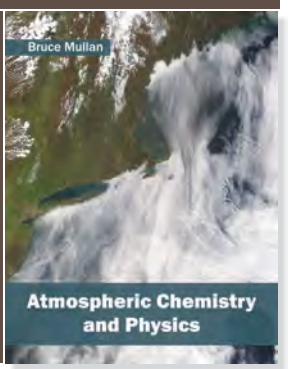
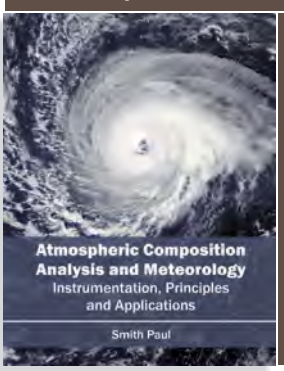


Atmospheric Sciences



Smith Paul

ISBN 978-1-68286-021-2

$139.99 US

Pub Year: 2016

Book Size: 8.5”x11”

196pp. Colored

Hardback

Atmospheric Composition Analysis and Meteorology: Instrumentation, Principles and Applications

The variations in the different components of the atmosphere have an effect on the air quality, regional climate and weather. This book is a valuable compilation of topics such as atmospheric layers and stratification, application of advanced equipment in meteorology, weather forecasting, assessment of various atmospheric components and particles, that range from the basic to the most complex advancements in this field. For all readers who are interested in this field, the researches included in this book will serve as an excellent guide to develop a comprehensive understanding.

Atmospheric Sciences

Atmospheric Measurement Techniques

The study of the earth’s atmosphere is a complex phenomena. It includes not just weather but also the diverse processes and interactions that occur within the atmosphere as well as with other ecological systems. The aim of this book is to present and elaborate discussion on the current and proposed atmospheric measurement techniques. It brings forth the latest innovations in this field and their applications in understanding atmospheric processes. This book will serve as a vital tool in facilitating the progress of this field.

Dorothy Rambola

ISBN 978-1-68286-014-4

$139.99 US

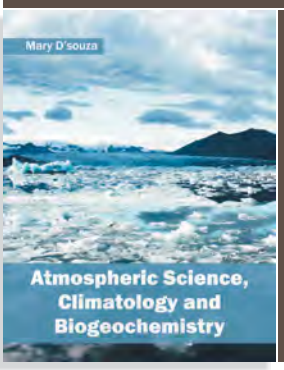
Pub Year: 2016

Book Size: 8.5”x11”

184pp. Colored

Hardback

Atmospheric Sciences



Mary D’souza

ISBN 978-1-68286-281-0

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

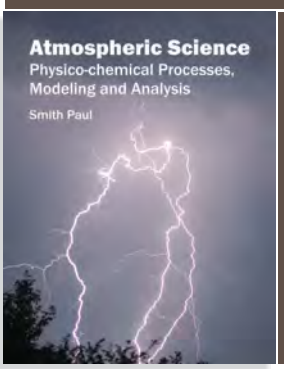
271pp. Colored

Hardback

Atmospheric Science, Climatology and Biogeochemistry

Over the years, the climate patterns across earth have witnessed significant changes. A major cause of this has been attributed to the greenhouse effect. Thus, these chemical, biological and atmospheric changes have been studied increasingly worldwide. This book consists of material provided by top researchers from the field of geophysics. It covers in detail various topics pertaining to atmosphere, weather and climate such as scaling, predictability, pattern formation, turbulence, time series, face transition, etc. This book will prove to be immensely beneficial to students and researchers in this field.

Atmospheric Sciences



Smith Paul

ISBN 978-1-68286-022-9

$139.99 US

Pub Year: 2016

Book Size: 8.5"x11"

197pp. Colored

Hardback

Atmospheric Science: Physico-Chemical Processes, Modeling and Analysis

Atmospheric science is a multidisciplinary field that studies the various causes and effects of different atmospheric processes on earth. This book presents researches that have transformed this discipline and aided in its advancement. It aims to provide a general view of the different topics such as physico-chemical interactions between different spheres, atmospheric modelling, remote sensing, etc. The chapters covered herein are appropriate for students seeking detailed information in this field as well as for scientists.

Climate Change And Variability: A Global Outlook

The study of climate change has advanced rapidly in the past few years. The changes witnessed in weather patterns over the years have had a considerable impact on the environment. This book provides comprehensive insights into the study of climate change. It explores all the important aspects of climate variability in the present day scenario through lucid explanations of various topics, such as ocean, atmosphere and ice dynamics, carbon cycle, greenhouse gases, climate modeling, etc. This book will serve as a valuable source of reference for graduate and post graduate students. Those in search of information to further their knowledge will be greatly assisted by this book.

Atmospheric Sciences

Andrew Hyman

ISBN 978-1-68286-040-3

$144.99 US

Pub Year: 2016

Book Size: 8.5"x11"

202pp. Colored

Hardback

Atmospheric Sciences

Bruce Mullan

ISBN 978-1-68286-361-9

$156.99 US

Pub Year: 2016

Book Size: 8.5"x11"

283pp. Colored

Hardback

Instruments and Techniques of Atmospheric Measurement

Atmospheric measurement techniques have constantly progressed over the years, owing to the technological advancements. This has fueled more accurate predictions and studies. This book provides comprehensive insights into the techniques of atmospheric measurement. It covers topics like remote sensing, development of measurement instruments, techniques of data processing, etc. This book explores all the important aspects of data processing techniques in the present day scenario. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this text.

Meteorology and Weather Forecasting

Earth's atmosphere is a complex field of study as it involves variables like temperature, air, etc. The technological advances of the twentieth century have contributed majorly towards the progress of meteorology. This comprehensive book examines in detail the current developments, concepts, models, measurement tools, etc. in this field. It will prove beneficial for students, researchers, meteorologists, professionals and researchers alike.

Atmospheric Sciences

Dorothy Rambola

ISBN 978-1-68286-002-1

$124.99 US

Pub Year: 2016

Book Size: 8.5"x11"

129pp. Colored

Hardback

Atmospheric Sciences

Modeling, Data Processing and Remote Sensing in Atmospheric Sciences

Atmospheric sciences is an umbrella discipline comprising sub-fields such as meteorology, climatology, aeronomy, etc. Advances in science and technology have led to the expansion and advancement of this discipline. Some of the topics that have been covered include remote sensing of the atmosphere, measurement of wind, precipitation, etc. This book is an essential guide for both professionals and those who wish to pursue this discipline further. It attempts to assist those with a goal of delving deeper into the progress of atmospheric sciences.

Smith Paul

ISBN 978-1-68286-362-6

$156.99 US

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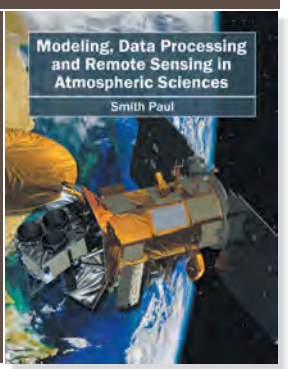
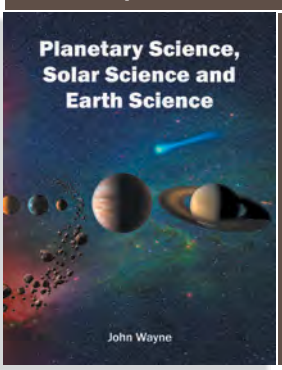


Atmospheric Sciences



John Wayne

ISBN 978-1-68286-314-5

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

272pp. Colored

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Planetary Science, Solar Science and Earth Science

This book provides comprehensive insights into the field of planetary sciences, solar sciences and earth sciences through extensive discussions on various topics like scaling, criticality in turbulence, nonlinear waves, time series, pattern formations, etc. which have been thoroughly elucidated. This book is an excellent guide for those wanting to acquire advanced knowledge. It is ideal for students and academicians of planetary sciences, astronomy, physics, earth sciences and associated disciplines as it provides many interesting topics which can be taken up for research.

Climatology

Climatology: Climate Indices, Models, Forecasting and Observations

Climatology falls under the umbrella of atmospheric science. It is primarily used for weather forecasting apart from keeping a record of the weather dynamics. This book is a collective contribution of internationally renowned climatologists and scientists and is bound to provide significant insights into weather forecasting models, techniques and technological advances, observation tools, etc. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline. For all readers who are interested in pursuing research or course in climatology, the case studies included in this book will provide innovative topics which can be taken up for research.

Vivian Moritz

ISBN 978-1-68286-271-1

$152.99 US

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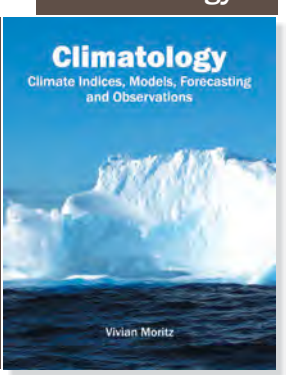
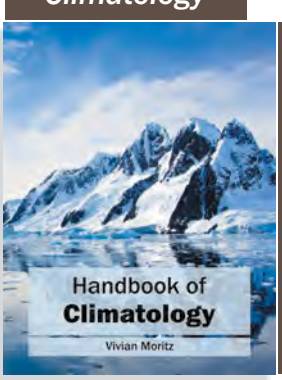


Climatology



Vivian Moritz

ISBN 978-1-68286-204-9

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

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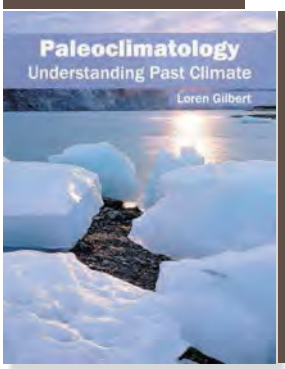
Handbook of Climatology

There has been rapid progress in the researches that cover different aspects of climatology. Scientists and meteorologists have increasingly focused upon analyzing the climatic variations and meteorological measurements accumulated over a long period of time to understand different weather patterns and correlations. This book analyzes various researches to assess climatic changes, factors effecting global climate and the characteristics of regional climates. It includes topics on climate modeling and simulation, global wind characteristics, monitoring climate change, etc. which are of utmost significance and bound to provide incredible insights to readers. It aims to equip students and experts with the advanced topics and upcoming concepts in this area.

Climatology



Loren Gilbert
ISBN
978-1-68286-126-4
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
215pp. Colored
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Paleoclimatology: Understanding Past Climate

Paleoclimatology is the field of study that aims to analyze the climate of the geologic past and climatic variability on earth. Some of the significant topics covered in this book are geological time scale, biogeochemistry, oceanography, remote sensing and measurement techniques to understand the climate of past, etc. The researches and case studies encompassed in this book are aimed at understanding past climate and climate changes in context of present and future climatic variability. This book will help new researchers by foregrounding their knowledge in this field.

Geographic Information Systems

Geographic information system is an important tool which stores, manipulates and analyzes geographic or spatial data. This book consists of contributions made by international experts in the field of geoinformatics. It elucidates the models and techniques of geographic information system, spatial analysis and its applications such as data mining, etc. Also discussed within this book are the various studies that are constantly contributing towards advancing technologies and evolution of this field. This book is best suited for students and research scholars pursuing geoinformatics and associated disciplines.

Remote Sensing

Marina De Lima
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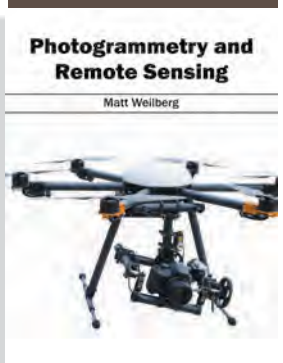
Remote Sensing



Matt Weilberg
ISBN
978-1-68286-107-3
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
216pp. Colored
Hardback

Photogrammetry and Remote Sensing

The science of taking measurements using photographs is called photogrammetry and it complements the discipline of remote sensing. This book attempts to assist those with a goal of delving into the field of photogrammetry and remote sensing by covering photogrammetric methods and their applications in diverse fields such as architecture, engineering, geology, meteorology, etc. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. It is highly recommended for students, academicians and researchers of this field.

Remote Sensing

Remote Sensing: Techniques and Applications

Remote sensing plays a prominent role in atmospheric measurements and physical observations of earth’s topography. This book contains a detailed explanation of the various concepts and applications of remote sensing such as climate change, greenhouse emissions, various remote sensing instruments, remote sensing techniques for monitoring of agricultural productivity, etc. The case studies and researches provided in this book will help students, researchers and all associated with the field of remote sensing in gaining advanced information of the field.

Henry Collier
ISBN
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$154.99 US
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256pp. Colored
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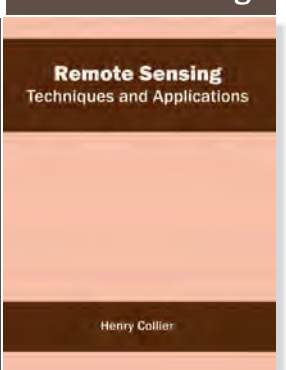

Cryosphere

Cryosphere and Earth Science

Cryosphere is a specific area of study under the umbrella of earth science. It is concerned with those sections of earth where water is available in solid form. This book focuses on some of the diverse geographic regions that fall under cryosphere like permafrosts, ice cover in sea and oceans, river and lake ice, etc. It strives to provide a fair idea about this field and to provide information on the current technologies and instruments used for measurements and observations. The core areas along with researches of this field presented herein will provide in-depth knowledge to the readers.

Cortez Ford

ISBN
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$139.99 US

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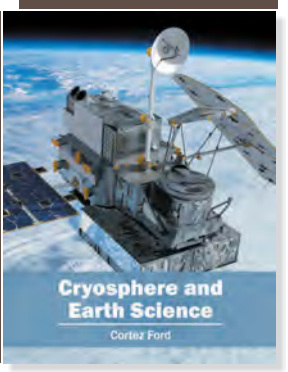
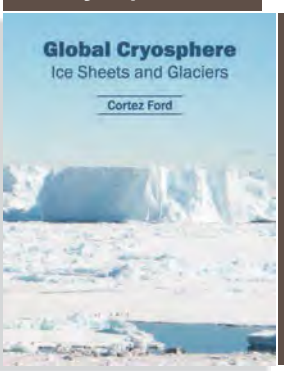


Cryosphere



Cortez Ford

ISBN
978-1-68286-311-4

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

274pp. Colored

Hardback

Global Cryosphere: Ice Sheets and Glaciers

The cryosphere is an important part of the global climate system, particularly in relation to atmospheric and oceanic cycles and hydrology. They are also crucial because the environmental changes and climatic variability are most evident in these regions of earth. This book brings forth some of the most significant topics for discussion in this field of study like glacial flow, ice sheet cover and ice thickness, impact of climate change on glaciers, etc. It presents researches and studies performed by experts across the globe. Students and researchers would find this book an invaluable source of knowledge on this topic.

Cryosphere

Handbook of Snow, Ice and Glaciers

The cryosphere has a significant impact on the climate of our planet. This book presents a detailed study of the cryosphere with an emphasis on snow and glaciers. It covers a diverse range of case studies contributed by internationally renowned scientists and experts of the field. The extensive range of topics presented it this text include surface elevation of glaciers, cloud physics, mass changes in ice caps, influence of precipitation patterns, etc. This book will help students in better understanding the theories and concepts revolving around snow, ice and glaciers. It will serve as a reference guide for academicians and professionals alike.

Joe Carry

ISBN
978-1-68286-256-8

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

263pp. Colored

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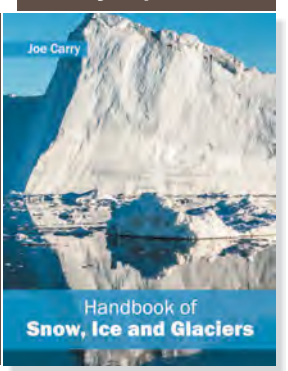


Oceanography and Aquatic Ecology

Jeremy Harper

ISBN
978-1-68286-039-7

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

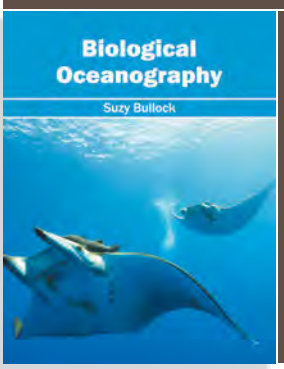
203pp. Colored

Hardback

Aquatic Ecosystem Management

Aquatic ecosystems are primarily divided into two types - marine and fresh water ecosystems; based on the percentage of dissolved components. This book complies researches from across the globe to provide a comprehensive overview of aquatic ecosystems. Some of the diverse topics covered in this text are predation behavior, solar salt production, crude oil biodegradation, etc. The aim of this book is to bring forth new horizons of research and aid students in better understanding the concepts of this field.

Oceanography and Aquatic Ecology



Suzy Bullock
ISBN
978-1-68286-358-9
$156.99 US
Pub Year: 2016
Book Size: 8.5”x11”
282pp. Colored
Hardback

Biological Oceanography

Oceanography is a broad discipline comprising the study of the varied aspects of the ocean such as marine organisms, fluid dynamics, ocean currents, geology of the ocean bed, etc. This book aims to study these wide categories that fall under this discipline. It brings forth researches from across the globe on ocean physics and chemistry, air-sea interactions, various types of ocean models, etc. This book is a ripe text for students and professionals engaged in the field of oceanography and associated disciplines.

Oceanography and Aquatic Ecology

Ocean Physics and Chemistry: From Concepts to Applications

There has been rapid advancement in the research focused on marine systems and oceanic processes. This book contains path-breaking studies on ocean physics and chemistry. It offers a thorough understanding of concepts such as ocean currents and eddies, air-sea fluxes, chemical, biochemical and physical interactions, etc. The researches and case studies collated in the text discuss latest developments in data collection mechanisms, remote sensing, numerical and computational measurements and observations, etc. This book is a vital tool for all researching and studying this field.

Theodore Roa
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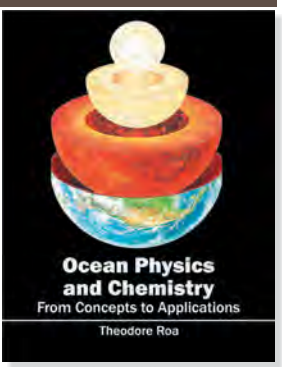
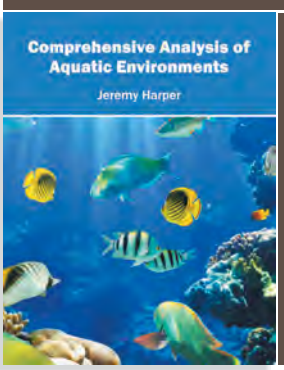
978-1-68286-369-5
$156.99 US
Pub Year: 2016
Book Size: 8.5”x11”
284pp. Colored
Hardback



Oceanography and Aquatic Ecology



Jeremy Harper
ISBN
978-1-68286-023-6
$139.99 US
Pub Year: 2016
Book Size: 8.5”x11”
194pp. Colored
Hardback

Comprehensive Analysis of Aquatic Environments

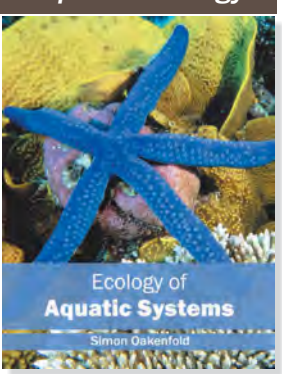
Aquatic environments refer to the marine and aquatic ecosystems. They play a key role in maintaining the harmony between different ecosystems. The chapters included in this book provide a comprehensive understanding of this field with the help of topics such as microbial activity in underwater ecosystems, fresh water ecosystems, and physicochemical process in aquatic systems, etc. Researches and case studies compiled in this book are bound to provide an overview of the current advancements in the study of this field. It will help new researchers by foregrounding their knowledge in this branch.

Oceanography and Aquatic Ecology

Ecology of Aquatic Systems

Aquatic systems have a rich biodiversity. This book on aquatic ecology studies the interactions between species and their surroundings through lucid discussions. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in the pursuit of marine biology and associated sciences at various levels. Coherent flow of topics and extensive use of examples make this book an invaluable source of knowledge. Some of the topics covered in this text are phylogenetic diversity, identification of microorganisms, genetic characterization, etc.

Simon Oakenfold
ISBN
978-1-68286-083-0
$144.99 US
Pub Year: 2016
Book Size: 8.5”x11”
213pp. Colored
Hardback



Marine Biology

Oceanography and Aquatic Ecology

Marine biology is a significant field for understanding lives of organisms inhabiting deep seas and oceans. This book is compiled in such a manner, that it will provide in-depth knowledge about the theory and practice of marine biology. The objective of this book is to give a general view of the different areas of fisheries science, marine flora and fauna, marine conservation and technological advancements in marine biology research. It contains contributions of some of the eminent environmentalists, academicians and researchers. The extensive content of this book provides the readers with a thorough understanding of the subject.

Suzy Bullock

ISBN
978-1-68286-285-8

$152.99US

Pub Year: 2016

Book Size: 8.5”x11”

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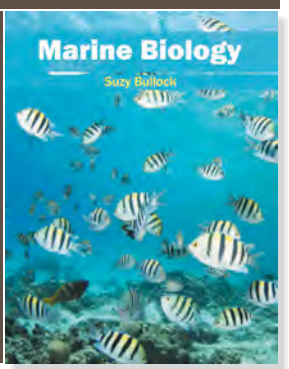
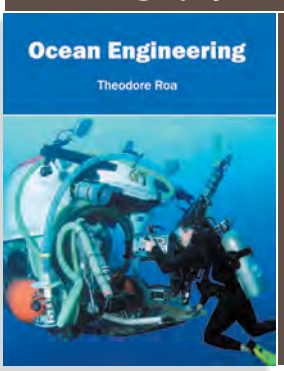
Hardback



Ocean Engineering

Oceanography and Aquatic Ecology



Theodore Roa

ISBN
978-1-68286-161-5

$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

218pp. Colored

Hardback

Ocean science is a vast field encompassing all aspects of an ocean such as marine organisms, ecosystems, ocean currents, ocean physics, etc. This book focuses upon the interactions of the ocean with the atmosphere. It includes experimental as well as theoretical researches contributed by experts and scientists from across the globe. Some of the diverse topics presented in this book are tidal variability, air-sea gas exchange, etc. This book will serve as a resource guide for students of oceanography, climate sciences and allied disciplines. It will also prove beneficial to researchers and professionals involved in these fields.

Oceanography and Marine Science

Oceanography and Aquatic Ecology

This book covers various theories, concepts and applications of oceanography and marine science. It aims to shed light on some of the unexplored aspects of marine life and the recent researches in the fields of ocean dynamics, marine geology and plate tectonics, aquaculture and ocean engineering, etc. The various sub-fields of oceanography along with technological advancements that have future implications for further research and exploration are glanced at in this book. This text aims to provide a broad overview of the oceanic surface structures and diverse processes that occur on it. It includes contributions of experts and scientists which will provide innovative insights into this field.

Theodore Roa

ISBN
978-1-68286-334-3

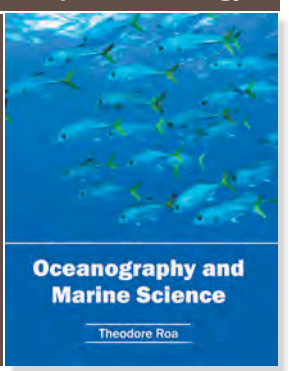
$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

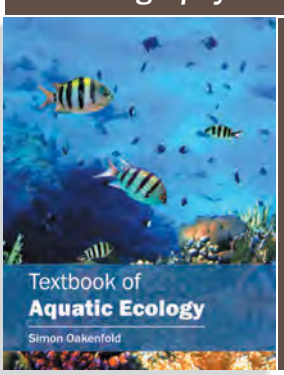
277pp. Colored

Hardback



Textbook of Aquatic Ecology

Oceanography and Aquatic Ecology



Simon Oakenfold

ISBN
978-1-68286-115-8

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

213pp. Colored

Hardback

Aquatic ecology refers to the ecosystem that is present within a particular water body. This book explores various aquatic ecologies and their relation to Earth’s ecosystem in the larger context. It strives to provide a fair idea about this discipline and help develop a better understanding of the emerging concepts and issues within this field with topics such as climate change, marine biology and biodiversity, biogeochemistry, etc. This book is an essential guide for both academicians and those who wish to pursue this discipline further.

Disaster Management

Alfred Scott

ISBN
978-1-68286-266-7

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

265pp. Colored

Hardback

Disaster Management and Environmental Planning

Environmental planning is a distinct field that contributes extensively in management of disasters and natural hazards. It emphasizes on a holistic approach to development with particular attention to environmental factors. On the other hand, disaster management deals with the organisation and management of resources while dealing with humanitarian aspects of emergencies. This book compiles researches that attempt to provide azn overview on the current practices in disaster management and environmental planning. It explains techniques and models to reduce risks and impacts of natural hazards. This book is an invaluable source of reference for anyone who is interested in this discipline.

Disaster Management

Disaster Management: Risk Assessment and Analysis

Disasters cause a major loss of life and property. Both manmade and natural disasters have severe impacts on the society. The researches presented in this book revolve around the design, development and validation of new methods and tools for the detection and monitoring of natural hazards. It also discusses their impact and consequences on human life and the environment. The book also brings forth studies and techniques for disaster management and risk mitigation. It will serve as a resource guide for a broad spectrum of readers including students, environmentalists, professionals, researchers, etc.

Alfred Scott

ISBN
978-1-68286-264-3

$152.99 US

Pub Year: 2016

Book Size: 8.5”x11”

264pp. Colored

Hardback

Disaster Management

Rosalina Peters

ISBN
978-1-68286-130-1

$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

213pp. Colored

Hardback

Disaster Risk Reduction and Control Measures

Disaster risk reduction is a relatively nascent field of study focusing on the identification and preparedness to handle disasters. This extensive book delves deep into these core areas of this discipline. It presents tools and techniques for risk assessment such as hazard analysis, etc. Also included in this book are methods for risk awareness, training to survive disasters, policies, etc. It will serve as a reference guide for students, professionals as well as policy makers associated with this field.

Disaster Management

Emergency Management: Planning, Assessment and Analysis

Disasters can disturb not only the ecological but also the economic balance of any community. It is thus important to be prepared for disasters and take up measures to mitigate its adverse effects. This comprehensive book sheds light on the methods and techniques being followed across the globe in the field of emergency management. Some significant topics covered in this text include vulnerability, landslide susceptibility, risk assessment, modelling social vulnerability, awareness campaigns, adaptations strategies, etc. This exclusive book will prove beneficial for students, researchers, activists, policy makers and professionals in the field of emergency management.

Cathy Hogan

ISBN
978-1-68286-159-2

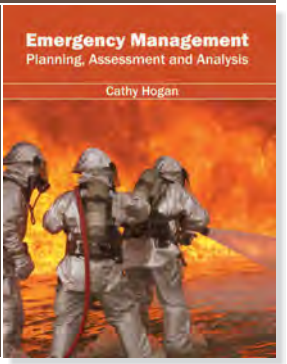
$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

218pp. Colored

Hardback



Fire Safety and Management

Fire safety science includes fire dynamics, fire properties, fire detection and extinction etc. It aims to understand the human perception and behaviour in case of fire. Fire safety practices are designed for both domestic as well as industrial activities in order to protect human life and property. Material fire properties, toxic hazard analysis and smoke management are industrial prospects of fire management. This book covers experimental and theoretical approaches to study fire safety management and investigation practices. It is helpful to anyone who is interested in this field.

Disaster Management

David Simmons
ISBN 978-1-68286-273-5
$152.99US
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Book Size: 8.5”x11”
230pp. Colored
Hardback

Disaster Management

Alfred Scott
ISBN 978-1-68286-298-8
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
273pp. Colored
Hardback

Disaster Response and Emergency Management

Disaster response and emergency management have become crucial aspects of public awareness and education. Disaster management strategies play a key role in reducing the loss of lives and property due to natural hazards. The concepts included in this book are focused on some of the significant aspects of this field such as seismic measurements and analysis, modeling and evaluation of different natural hazards, assessment of topographic changes after disaster, etc. It includes contributions of experts and scientists which will provide innovative insights into this field and will serve as a reference to a broad spectrum of readers.

Natural Hazard Preparedness and Mitigation

The massive devastation of lives and properties as a result of natural disasters has shifted the focus towards developing and promoting disaster management programs around the globe. This book aims to offer a comprehensive overview of the various natural hazard preparedness measures and awareness programs from different regions of the world. The topics included herein provide an insight into the current progress of the field such as designing and developing state-of-the-art technologies for detection of various kinds of disasters, monitoring and modelling of natural hazards and their impacts, environmental awareness, implementation and critical assessment of natural hazard mitigation strategies, etc. Researchers and students seeking detailed knowledge of this field, would find this book an invaluable source of reference.

Disaster Management

Rosalina Peters
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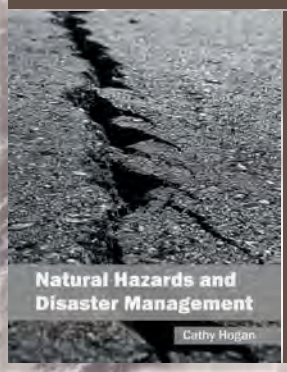
202pp. Colored
Hardback

Disaster Management



Cathy Hogan
ISBN 978-1-68286-063-2
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Pub Year: 2016
Book Size: 8.5”x11”
209pp. Colored
Hardback

Natural Hazards and Disaster Management

Natural hazards and disasters are known to cause irreversible loss to life and property. There has been a drastic shift in the earth’s atmosphere which has aggravated the impact as well as risk of such disasters. This book brings forth some path-breaking studies in the field of disaster management. It unravels the currently existing as well as futuristic models and methods to monitor and understand disasters as well as minimize their effects. Some of the diverse areas covered in this elaborate book are sensitivity and evaluation of fire risks, studies on precipitation, risks associated with flood, etc. This book will benefit students, academicians, environmentalists, climatologists and anyone else associated with this discipline.

Complementary and Alternative Medicine

Acupuncture and Acupressure

Acupuncture and acupressure are both widely practiced forms of alternative medicine. Acupuncture is part of traditional Chinese medicine that requires the insertion of needles to pre-determined pressure points. Acupuncture and acupressure methods operate on muscles and muscle clusters to relieve tension and pain. Diagnosis of pain is made according to its acuteness and the response of the body to the same. In this book, using case studies and examples, constant effort has been made to make the understanding of the difficult concepts of acupuncture and acupressure as easy and informative as possible, for the readers. This book will be useful for students and researchers in the fields of alternative medicine, physiotherapy and pain management.

Patrick Lampard

ISBN
978-1-68286-488-3

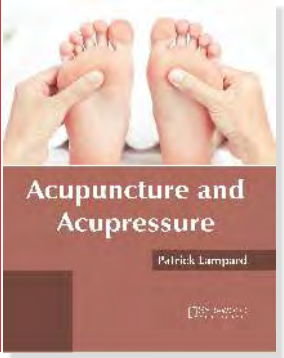
$150.99 US

Pub Year: 2017

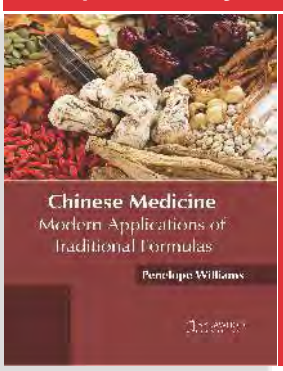
Book Size: 8.5”x11”

242pp. Colored

Hardback



Complementary and Alternative Medicine



Penelope Williams

ISBN
978-1-68286-490-6

$150.99 US

Pub Year: 2017

Book Size: 8.5”x11”

240pp. Colored

Hardback

Chinese Medicine: Modern Applications of Traditional Formulas

Chinese Medicine is a popular form of alternative medicine. Some of the significant treatments under this field are acupuncture, herbal medicine, etc. It is an ancient form of medicine based on the philosophy of Yin and Yang. This book attempts to understand the multiple branches that fall under the discipline of Chinese medicine and how such concepts have practical applications. While understanding the long-term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Complementary and Alternative Medicine

Complementary and Conventional Medicine

This book on complementary and conventional medicine talks about the influence and effectiveness of alternative medical practices. Complementary medicine is the practice that endows both general and alternative medical treatment. Alternative medicine focuses on the pathophysiological as well as psychological condition of the patient for diagnosis. Medical practice is classified into whole medical systems and mind-body interventions. The aim of this book is to present researches that have transformed this discipline and aided its advancement. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. It is an essential guide for both academicians and those who wish to pursue this discipline further.

Jax Bailey

ISBN
978-1-68286-479-1

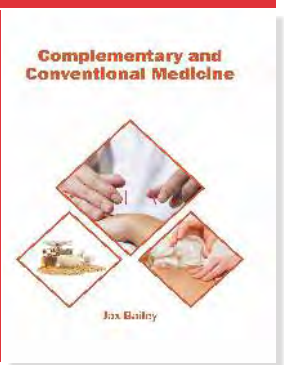
$140.99 US

Pub Year: 2017

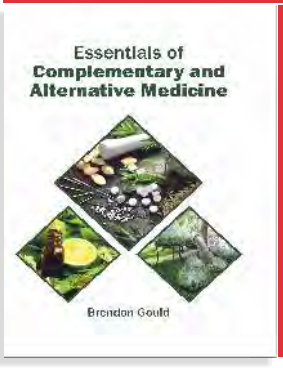
Book Size: 7.75"×10.5"

222pp. Colored

Hardback



Complementary and Alternative Medicine



Brendon Gould

ISBN
978-1-68286-480-7

$139.99 US

Pub Year: 2017

Book Size: 7.75"×10.5"

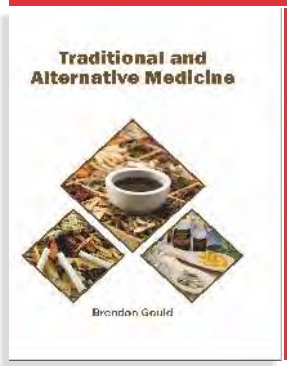
214pp. Colored

Hardback

Essentials of Complementary and Alternative Medicine

Alternative medicine or alternative therapies are interventional and pharmaceutical medicine that provide well-being but do not fall under scientific medical procedure. This book on complentary and alternative medicine discusses the innovative concepts of alternative medical practice. Various types of procedures can be classified together as alternative medicine such as traditional Chinese medicine, homeopathy, ayurveda, etc. These medical practices seek to promote a holistic understanding of the human body as well as its overall well-being. The various advancements in alternative medicine are glanced at and their applications as well as ramifications are looked at in detail. This book will serve as a reference to a broad spectrum of readers. It will help the readers in keeping pace with the rapid changes in this field.

Complementary and Alternative Medicine



Brendon Gould

ISBN
978-1-68286-478-4

$144.99 US

Pub Year: 2017

Book Size: 7.75"×10.5"

225pp. Colored

Hardback

Traditional and Alternative Medicine

Medicinal practices that were developed and practiced before the invention of modern medicine is termed as traditional medicine. This book on traditional and alternative medicine discusses topics that are concerned with therapeutic practices and its effects relating to long-term health and nutritional patterns. These medicinal practices rely on harnessing the body's energy for therapeutic aid. The topics included in this book on traditional and alternative medicine are of utmost significance and bound to provide incredible insights to readers. While understanding the long-term perspectives of the topics, the book makes an effort in highlighting their impact as a modern tool for the growth of the discipline. This book will be helpful for students and researchers in the field of physiotherapy traditional and alternative medicinal practices.

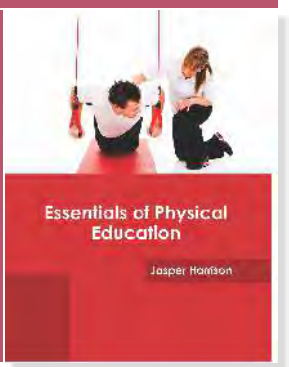
Essentials of Physical Education

Sports and Rehabilitation Medicine

The objective of this book is to give a general view of the different areas of physical education, and its applications. Physical education is usually imparted during primary and secondary schooling. It is an educational practice aimed at enhancing psychomotor learning and health. Different approaches, evaluation, methodologies and advanced studies on physical education have been included in this book. It explores all the important aspects of physical education in the present day scenario. This book is a vital tool for all researching or studying physical education as it gives incredible insights into emerging trends and concepts. It is a complete source of knowledge on the present status of this important field.

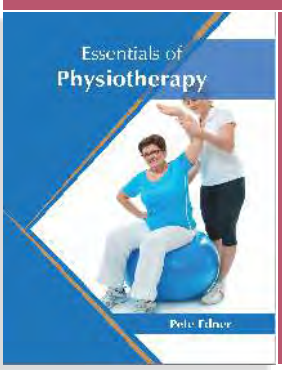
Jasper Harrison

ISBN 978-1-68286-475-3
$152.99 US
Pub Year: 2017
Book Size: 8.5”x11”
246pp. Colored
Hardback



Essentials of Physiotherapy

Sports and Rehabilitation Medicine



Pete Edner

ISBN 978-1-68286-481-4
$150.99 US
Pub Year: 2017
Book Size: 7"×10"
241pp. Colored
Hardback

Physiotherapy primarily uses mechanical force and movements to treat impairments related to functioning and mobility of the body. It is mostly used as an added medical treatment to conventional medicine. This book provides significant information of this discipline to help develop a good understanding of this discipline and related fields. It includes some of the vital pieces of work being conducted across the world, on various topics related to physiotherapy. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject. It will prove to be immensely beneficial to students and researchers in this field.

Principles of Exercise Therapy

Sports and Rehabilitation Medicine

Exercise therapy or physiotherapy is a form of physical medicine that seeks to sustain, improve and promote muscular and skeletal function. Exercise therapy applies mechanical force to treat pain and disorders related to mobility and functions of the body. Some of the branches of this discipline include clinical electrophysiology, cardiovascular and pulmonary therapy, physiotherapy, etc. Topics included in this book deal with the various aids that are available to those undergoing physical therapy and rehabilitation. This book is a complete source of knowledge on the present status of this important field. It will be useful for students and researchers in the fields of physiotherapy, exercise medicine and sports science.

Dillon Graham

ISBN 978-1-68286-489-0
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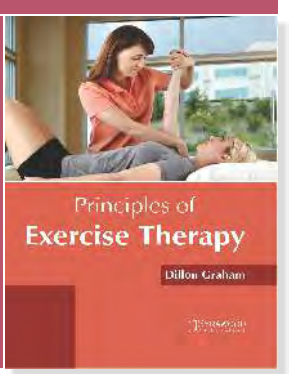
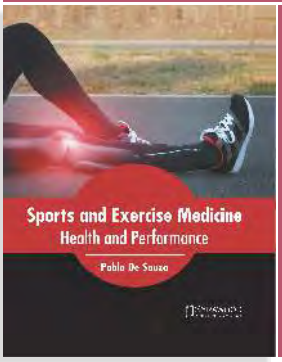
Pub Year: 2017
Book Size: 8.5”x11”
227pp. Colored
Hardback



Sports and Exercise Medicine: Health and Performance

Sports and Rehabilitation Medicine

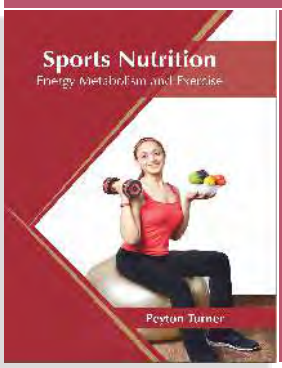


Pablo De Souza

ISBN 978-1-68286-435-7
$154.99 US
Pub Year: 2017
Book Size: 8.5”x11”
259pp. Colored
Hardback

Sports and exercise medicine is a branch of medicine that deals with sports injuries and its prevention through medication and exercise. This book on sports medicine deals with the overall fitness levels, performance based analysis and recurring injury prevention. This book provides comprehensive insights into the field of sports and exercise medicine. It unfolds the innovative aspects of this area of study which will be crucial for the progress of this field in the future. The text presents researches and studies performed by experts across the globe. It will serve as a valuable reference broad spectrum of readers. This book will prove to be immensely beneficial to students and researchers in this field of sports and exercise medicine.

Sports and Rehabilitation Medicine



Peyton Turner
ISBN
978-1-68286-497-5
$144.99 US
Pub Year: 2017
Book Size: 7"×10"
226pp. Colored
Hardback

Sports Nutrition: Energy Metabolism and Exercise

As the field of sports is rapidly growing, the need for proper nutritionists for athletes has emerged. This book talks about sports nutrition in detail and provides thorough insight into this field. Sports nutrition plays a significant role in many games like bodybuilding, weight lifting, running, cycling, etc. to enhance the performance of the athlete by strengthening their body and mind. Sport nutritionists study different minerals, supplements, organic products and vitamins in relation to their effect on the athlete. This book brings forth some of the most innovative concepts and elucidates the unexplored aspects of sports nutrition. It will help the readers in keeping pace with the rapid changes in this field. From theories to research to practical applications, case studies related to all contemporary topics of relevance to this field have been included in this book. It will serve as a resource guide to all those who are interested in this subject.

Sports and Rehabilitation Medicine

Sports Science and Physical Education

Sports science is a field of study that deals with the state of health of the human body with relation to physical activities undergone by it. The various studies that are constantly contributing towards advancing technologies and evolution of this field are examined in detail. Different approaches, evaluations, methodologies and advanced studies on sports science and physical education have been included in this book. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances related to it. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject.

Brycen Laning
ISBN
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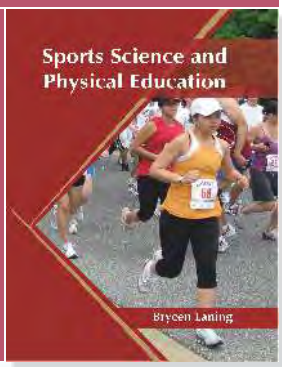
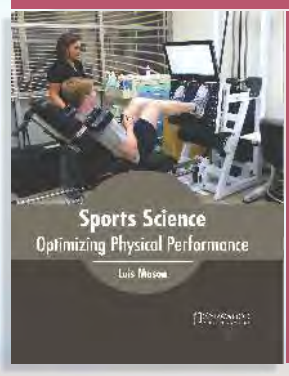


Sports and Rehabilitation Medicine



Luis Mason
ISBN
978-1-68286-436-4
$155.99 US
Pub Year: 2017
Book Size: 8.5"x11"
266pp. Colored
Hardback

Sports Science: Optimizing Physical Performance

Sports science is defined as the scientific analysis of sports performances by athletes. This book on sports science discusses topics that relate to sports medicine, performance and medication that optimize the physical and mental levels of an athlete. Different approaches, evaluations, methodologies and advanced studies on sports science have been included in this book. It brings forth some of the most innovative concepts and elucidates the unexplored aspects of this field. The topics covered herein offer the readers new insights into this discipline. A number of latest researches have been included in this book to keep the readers up-to-date with the global concepts in this area of study. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Sports and Rehabilitation Medicine

Sports Training and Exercise Physiology

This book on sports training deals with the various exercise therapies and routines whose aim is to increase a person's endurance and fitness levels. The book discusses the various requirements that arise when undergoing rigorous training and the techniques and methodologies that are used for measuring a person's fitness levels. Topics included in this book deal with all aspects of sports training and diet and the levels of fitness that is to be maintained. A number of latest researches have been included to keep the readers up-to-date with the global concepts in this area of study. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Garrett Cooper
ISBN
978-1-68286-498-2
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Pub Year: 2016
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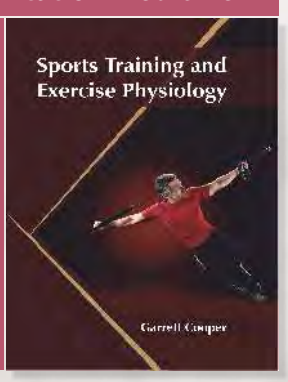
Hardback



Sports and Rehabilitation Medicine

Thomas Jackson
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978-1-68286-292-6
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
272pp. Colored
Hardback

Biomedical Physics

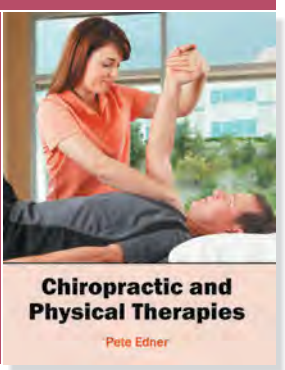
The theories and applications of various concepts in physics are widely used in contemporary healthcare and medical studies across the world. Biomedical physics as a specialized field is aimed at perceiving the underlying principles and concepts of physics in bio-molecular structure, nano-medicine, nuclear medicine, etc. It plays a key role in understanding techniques and principles used in molecular imaging (cells and tissues) as well as medical imaging (pathology and anatomy through CT, MRI, etc.). This book elucidates the significant issues and studies performed by renowned experts and practitioners from various countries. It also elucidates diverse applications of theories from physics in analyzing biological systems and their interactions, cancer and oncology, neuroscience and brain imaging, computational research and imaging, etc. This text is a very useful reference tool for postgraduate students, medical practitioners, scientists, etc. who are looking for an updated and comprehensive resource guide on biomedical physics.

Sports and Rehabilitation Medicine

Chiropractic and Physical Therapies

Chiropractic and manual therapies are some of the most successful forms of alternative medicine focused primarily on the musculoskeletal framework of the body. Most of the topics introduced in this book cover the latest studies in mobilisation, dry needling, lifestyle and dietary counselling, diagnostic practices in chiropractic, etc. The various studies that are constantly contributing towards the evolution of these fields are examined in detail. Researchers, students, chiropractors, manual therapists and related healthcare professionals will benefit alike from this book.

Pete Edner
ISBN
978-1-68286-342-8
$156.99 US
Pub Year: 2016
Book Size: 8.5”x11”
278pp. Colored
Hardback



Sports and Rehabilitation Medicine

Esther Henson
ISBN
978-1-68286-239-1
$152.99 US
Pub Year: 2016
Book Size: 8.5”x11”
263pp. Colored
Hardback

Current Research in Chiropractic and Rehabilitation Medicine

Chiropractic is rapidly becoming a prominent field of alternative medicine for treatment of musculoskeletal disorders. The researches based on chiropractic and rehabilitation medicine focus on musculoskeletal, social, emotional and neurological health and treatment. Some of the topics that are included in this book are postoperative rehabilitation and assessment, clinical studies on patient life style and dietary habits, risks associated with rehabilitation medicine and chiropractic, etc. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. This book is a resource guide for experts as well as students.

Sports and Rehabilitation Medicine

Manual Therapy and Rehabilitation: Diagnosis and Treatment

Manual therapy is an essential technique of chiropractic. This book explores all the important aspects of manual therapy in the present day scenario and its success as a treatment method. Various types of manual therapy, scope of treatment, musculoskeletal framework, etc. have been explored, in an extensive manner, in this book. Coherent flow of topics and extensive use of examples make this book an invaluable source of knowledge, especially for those pursuing chiropractic and allied disciplines.

Esther Henson
ISBN
978-1-68286-284-1
$152.99 US
Pub Year: 2016
Book Size: 8.5”x11”
275pp. Colored
Hardback

Nutrition in Sport and Exercise

Sports and Rehabilitation Medicine

To understand the dietary and nutritive requirements of individuals who are involved in sports, it is important to understand their metabolism. This book unfolds the innovative aspects of nutrition in sports through detailed discussions about concepts such as metabolic responses of athletes, dietary regimes, food supplements, etc. Also included in this book are revolutionizing theories and strategies for sports nutrition and their respective impacts on health and performance. Topics discussed in this book will be most useful for dieticians, health professionals and students.

Pablo De Souza

ISBN
978-1-68286-219-3

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

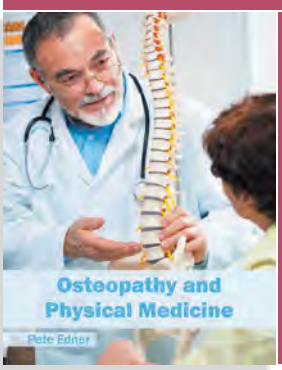
258pp. Colored

Hardback

Osteopathy and Physical Medicine

Sports and Rehabilitation Medicine

Osteopathy and physical medicine are both focused on the manipulation and restoration of the body’s muscles. This book deals with the diagnostic practices and scope of treatment in these fields. It elucidates the various methods practiced across the globe and brings forth the most up-to-date researches revolving around them. This book is an essential guide for students and academicians in these fields. It will also prove beneficial to the professionals associated with these fields.



Pete Edner

ISBN
978-1-68286-356-5

$156.99 US

Pub Year: 2016

Book Size: 8.5”x11”

283pp. Colored

Hardback

Physical Education and Sports Management

Sports and Rehabilitation Medicine

Physical education concerns primarily with promotion and inculcation of physical fitness and skills while sports management is an emerging field of study which involves various business aspects of sports and combines the skills of different disciplines like marketing, accounting, event management, etc. This book explores all the important aspects of both physical education and sports management in the present day scenario. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field by focusing on various physical fitness modules, biomechanics, didactics, sport sociology and physiology, sports marketing and management. It will serve as a valuable source of reference for graduate and post graduate students, sport managers and professionals, etc.

Luis Mason

ISBN
978-1-68286-182-0

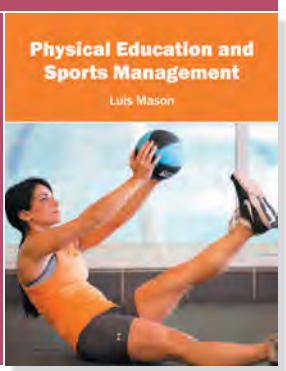
$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

225pp. Colored

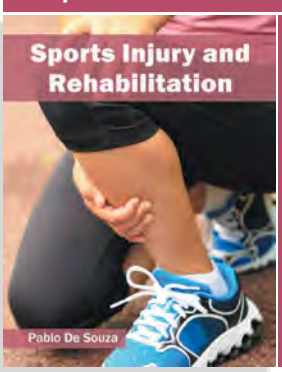
Hardback



Sports Injury and Rehabilitation

Sports and Rehabilitation Medicine

Sports nutrition has emerged as an independent discipline in the recent years. It is focused on dietary advancements to help improve the performance of athletes along with minimizing the risk for diseases. This book focuses on the dietary requirements of athletes and how to fulfil it for best results. It comprises researches which shed light on the significant aspects of human body such as the physiological principles, metabolism, etc. This book discusses the effects of various organic and inorganic substances on the strength, endurance and immunity of the athletes. It aims to enlighten the readers with the most innovative nutritional strategies and also provide insights into different body compositions to understand the functioning and metabolism of an athlete and thus device the most suitable dietary plan. This book will serve as a resource guide for nutritionists, dieticians, students and anyone else associated with the field of sports nutrition.



Pablo De Souza

ISBN
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$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

217pp. Colored

Hardback

Sports and Rehabilitation Medicine

Pablo De Souza

ISBN
978-1-68286-222-3

$154.99 US

Pub Year: 2016

Book Size: 8.5”x11”

259pp. Colored

Hardback

Sports Nutrition

Sports Nutrition is dedicated to the evaluation and manipulation of athletic performance through nutrition and diet. Knowledge of topics like dietary regimes, nutrition, food supplements and their impact on the overall health and performance of athletes/sportspersons, etc. is absolutely essential for the thorough understanding of sports nutrition. This book will equip the reader with a sound understanding about these topics along with the various factors influencing the nutritional requirements of athletes, like gender, age, body mass index, etc. It will successfully cater to the needs of students and healthcare professionals alike.

Advances in Drug Development Research

Pharmacology and Drug Discovery

Drug development is extremely necessary to cure the critical diseases and also to enhance the therapeutic effect of existing drugs. This book consists of contributions made by international experts of pharmaceutical sciences. Various aspects of chemically defined therapeutic and toxic agents, experimental pharmacology, clinical trials, etc. have been elucidated in this book. Also included are significant researches that will provide a thorough understanding of the current status of this scientific discipline. As a reference material, this book will be highly beneficial for post graduate students and research scholars pursuing pharmaceutical sciences.

Ned Burnett

ISBN
978-1-68286-192-9

$149.99 US

Pub Year: 2016

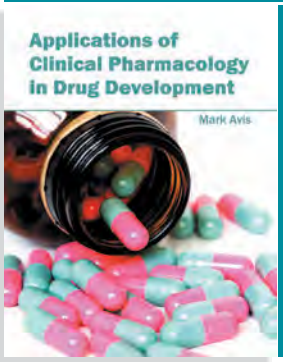
Book Size: 8.5”x11”

232pp. Colored

Hardback

Applications of Clinical Pharmacology in Drug Development

Pharmacology and Drug Discovery



Mark Avis

ISBN
978-1-68286-198-1

$149.99 US

Pub Year: 2016

Book Size: 8.5”x11”

238pp. Colored

Hardback

Clinical pharmacology plays a vital role in drug development to ascertain how the drug affects the human subject. The aim of this book is to discuss some essential researches and advancements in this field through concepts like drug toxicity, therapeutic drugs, clinical trials, pharmacokinetics, etc. In this book, using various studies and examples, constant effort has been made to make the understanding of the different applications of clinical pharmacology in drug development as easy and informative as possible, for the readers.

Biochemical Pharmacology

Pharmacology and Drug Discovery

Biochemical pharmacology is an emerging field which applies the concepts of biochemistry for producing better quality and effective drugs. This book brings forth some ground-breaking research from across the globe which will contribute to further the scope of this field. The theories, models and techniques discussed in this book will prove beneficial to students, chemists, researchers and professionals. It aims to facilitate the growth of this discipline and set ground for new research.

Thomas Haldane

ISBN
978-1-68286-075-5

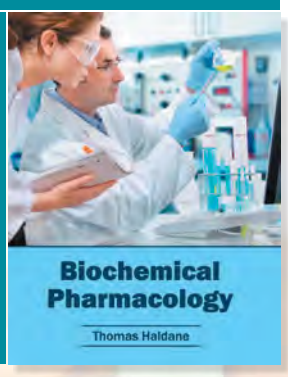
$144.99 US

Pub Year: 2016

Book Size: 8.5”x11”

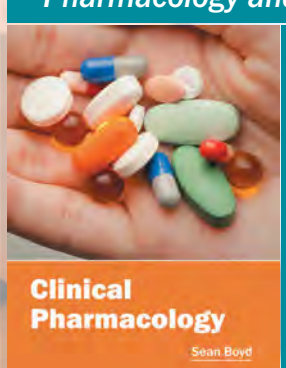
216pp. Colored

Hardback



Clinical Pharmacology

Pharmacology and Drug Discovery



Sean Boyd

ISBN
978-1-68286-199-8

$149.99 US

Pub Year: 2016

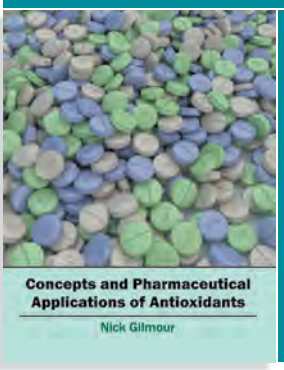
Book Size: 8.5”x11”

238pp. Colored

Hardback

Clinical pharmacology is an applied field of study which focuses on the science and clinical applications of various drugs. The focus of this field is to understand the drug mechanism and side effects through clinical trials and experiments. This book unfolds the innovative aspects of this field by discussing topics such as pharmacokinetics and drug response, drug development, drug interactions, adverse effect of drugs, etc. It includes various researches and case studies contributed by internationally acclaimed scholars and aims to serve as a resource guide for students and clinical practitioners alike.

Pharmacology and Drug Discovery



Nick Gilmour
ISBN 978-1-68286-295-7
$154.99 US
Pub Year: 2016
Book Size: 8.5”x11”
272pp. Colored
Hardback

Concepts and Pharmaceutical Applications of Antioxidants

Antioxidants play a major role in preventing oxidative stress which is responsible for cell damage and other fatal diseases. This book is a collective contribution of specialists and experts associated with the field of antioxidants and their applications. The chapters included herein aim to provide significant information on some of the major concepts and pharmaceutical applications of antioxidants such as, activity of antioxidant compounds and substances, extraction and production of antioxidants from different sources, etc. This book would prove to be an invaluable source of reference for students and professionals alike.

Pharmacology and Drug Discovery

Mark Avis
ISBN 978-1-68286-355-8
$156.99 US
Pub Year: 2016
Book Size: 8.5”x11”
286pp. Colored
Hardback

Current Progress in Experimental Pharmacology

Pharmacology is a branch of medical science which has undergone much advancement over time. The recent scientific and technological progresses aided the growth of this discipline. This book is meant for students who are looking for an elaborate reference text on experimental pharmacology and has lucid descriptions of significant topics such as drug-target interactions, pharmacokinetics, drug synthesis, etc. This book contains many latest researches which will be extremely beneficial for students and scholars pursuing pharmacology and allied disciplines.

Pharmacology and Drug Discovery

Holly Philips
ISBN 978-1-68286-172-1
$149.99 US
Pub Year: 2016
Book Size: 8.5”x11”
225pp. Colored
Hardback

Current Research in Medicinal Plants

Medicinal plants are used traditionally for preparing herbal medicines and remedies. They are also used in manufacturing and developing contemporary medicines. This book attempts to compile the current researches and experiments in the field of medicinal plants that focus on identifying new species of herbal plants, analysing their characteristics and properties, and examine their emerging applications. Some of the important topics elucidated herein are plant nutrition and physiology, phytochemical properties, pharmacognosy, etc. Researchers and students engaged in this field will find this book helpful.

Pharmacology and Drug Discovery

Judith Baker
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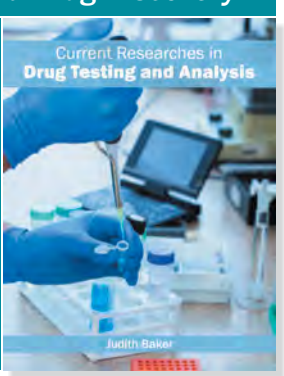
Pub Year: 2016
Book Size: 8.5”x11”
261pp. Colored
Hardback



Current Researches in Drug Testing and Analysis

Pharmaceutical drug testing and analysis are conducted to explore whether the drugs are safe and effective in treatment of different medical disorders and problems. The chapters in this book brings forth researches and studies on drug testing and analysis in varied scenarios. The topics covered in this extensive book deal with the significant aspects such as adverse drug effects, classification and assessment of drugs, drug conception and design, etc. It presents contributions by internationally acclaimed scholars. Scientists and students actively engaged in this field will find this book full of crucial and unexplored concepts.

Drug Conception, Design and Manufacturing

Pharmacology and Drug Discovery

The process of drug design and manufacturing has undergone a lot of change with time owing to scientific and technological advances. This book contains some path-breaking studies conducted across the world in the field of drug design and manufacturing. Topics such as formulation, conception, classification, assessment, clinical investigation of drugs, etc. have been covered within this book. It compiles contributions made by eminent scientists and researchers. It would be very useful for graduate and post graduate students pursuing pharmacology or associated fields of study.

Brendon Krauss

ISBN
978-1-68286-201-8
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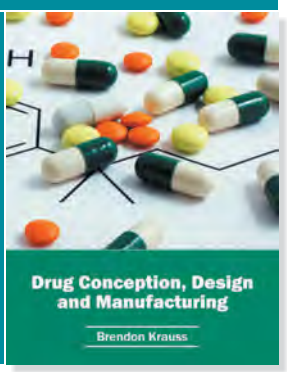
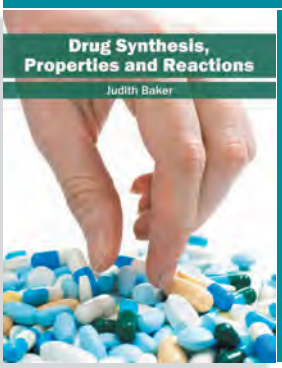
242pp. Colored
Hardback



Drug Synthesis, Properties and Reactions

Pharmacology and Drug Discovery



Judith Baker

ISBN
978-1-68286-347-3
$156.99 US
Pub Year: 2016
Book Size: 8.5”x11”
285pp. Colored
Hardback

Pharmacology has become a very prominent field of study in the recent decades. It plays a crucial role in the development of therapeutic medicines and novel drugs that can be used for treatment of critical illnesses. The chapters included in this book provide significant information on the mechanism of drug action, methods of synthesis, adverse chemical reactions, evaluation of different drugs and chemical compounds, etc. Researches and case studies compiled herein aim to provide an overview of the latest advancements in this field. The important concepts that are discussed in the book will benefit students, researchers and professionals engaged in this field at various levels.

Experiments and Trials for Drug Discovery

Pharmacology and Drug Discovery

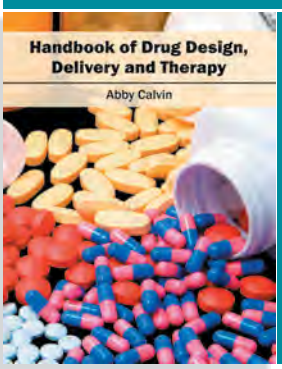
Drug discovery is an important area of study in the fields of pharmaceutical sciences and pharmacology. Experiments and trials are very crucial for the evaluation and assessment of novel drugs and pharmaceuticals. The chapters included in this book aim to shed light on some of the significant aspects and emerging trends in the field of drug experimentation and trials such as drug reaction, drug metabolism, extraction and production of medicinal compounds, etc. The case studies and clinical trials presented in this book, contributed by eminent experts and scientists will provide a comprehensive insight into the current advancements of this discipline; to the students and professionals engaged in this field at various levels.

Ned Burnett

ISBN
978-1-68286-252-0
$152.99 US
Pub Year: 2016
Book Size: 8.5”x11”
270pp. Colored
Hardback

Handbook of Drug Design, Delivery and Therapy

Pharmacology and Drug Discovery



Abby Calvin

ISBN
978-1-68286-193-6
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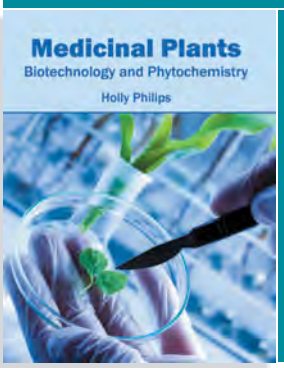
Pub Year: 2016
Book Size: 8.5”x11”
235pp. Colored
Hardback

Medical science is constantly progressing. Curing diseases is a primary focus of current research in this field. Thus, the field of drug design and delivery is also rapidly advancing. This book includes some of the vital pieces of work being conducted across the world, on various topics related to drug design, delivery and therapy, such as drug targets, antipsychotic drugs, pharmacogenetics, pharmacokinetics, etc. Different approaches, evaluations, methodologies and advanced studies on drug design and delivery as well as drug therapy have been included in this book. It aims to serve as a resource guide for students and experts alike and contribute to the growth of pharmaceutical sciences.

Pharmacology and Drug Discovery



Holly Philips
ISBN 978-1-68286-245-2
$152.99 US
Pub Year: 2016
Book Size: 8.5"x11"
265pp. Colored
Hardback

Medicinal Plants: Biotechnology and Phytochemistry

Medicinal plants are widely used in both conventional medicines as well as modern pharmaceuticals. Plant extracts are isolated with the help of biotechnology and related procedures. The important topics covered in this extensive book deal with the vital aspects of the field like plant physiology, phytochemistry, agronomic management of plants, medicinal and herbal characteristics of certain plants species, etc. The researches and clinical studies included in this text attempt to provide an assessment of various medicinal plants from different regions, including their benefits and side-effects, etc. Students and researchers will find this book full of innovative insights and unexplored concepts.

Pharmacology and Drug Discovery

Molecular Farming

Molecular farming also known as pharming, is the application of biotechnology and genetic engineering for using plant and animal proteins and metabolites to produce pharmaceutical substances in large quantities. It is widely used for manufacturing different enzymes, vaccines and hormones at relatively low cost. As this field is emerging at a fast pace, this book will help the readers to better understand the diverse concepts of plant genome, recombinant antibodies, therapeutic medicines and their clinical evaluations, etc. This book is a complete source of knowledge on the present status of this important field. It is appropriate for students seeking detailed information as well as for experts engaged in this field.

Holly Philips
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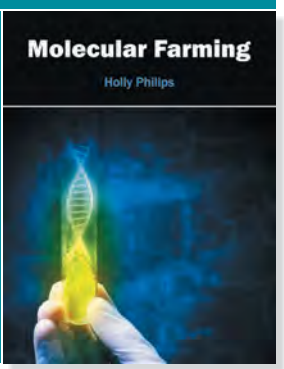
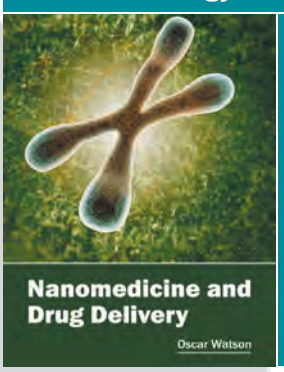
206pp. Colored
Hardback



Pharmacology and Drug Discovery



Oscar Watson
ISBN 978-1-68286-100-4
$144.99 US
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Book Size: 8.5"x11"
218pp. Colored
Hardback

Nanomedicine and Drug Delivery

Nanomedicine is a rapidly progressing field which has proven significant in the past few decades. Many successful clinical trials and the development of drugs for many diseases has been possible due to the progress in nanomedicine. This book on nanomedicine and drug delivery aims to equip the readers with in-depth knowledge of significant concepts such as nanotechnology based drugs, biological molecules, scanning probe microscopy, biological microelectromechanical systems, molecular interactions, biomedical imaging, etc. Compiled by an eminent panel of internationally renowned scientists and scholars, the case studies included in this book will prove to be immensely beneficial for students of biotechnology, nanotechnology and associated disciplines.

Pharmacology and Drug Discovery

Pharmaceutical Biotechnology

Pharmaceutical biotechnology is an expanding field of science and technology which aims to design new therapeutic drugs, diagnose medical irregularities, etc. based on the tools and techniques of biotechnology. The objective of this book is to give a general view of the different areas of pharmaceutical biotechnology, and its applications. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within tissue culture, bioengineering, drug design and development. While understanding the long-term perspectives of the topics like clinical trials and recombinant DNA technology, the book makes an effort in highlighting their significance as a modern tool for the growth of the discipline. The book is appropriate for students seeking detailed information in this area as well as for experts, and professionals engaged in this field.

Erica Helmer
ISBN 978-1-68286-106-6
$144.99 US
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Book Size: 8.5"x11"
216pp. Colored
Hardback

Pharmacology and Drug Discovery

Pharmaceutics: Science and Technology

Pharmaceutics is one of the most significant sub-fields of pharmaceutical sciences. Discovery of new and more efficient drugs has been the focus of numerous researches worldwide. This book collates such researches conducted by internationally renowned experts. It delves deep into the areas of drug conception, drug classification and manufacturing. This extensive text will help students and pharmacologists across the globe in keeping pace with the rapid developments in this field.

Brendon Krauss

ISBN
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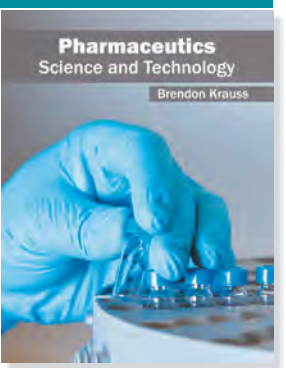
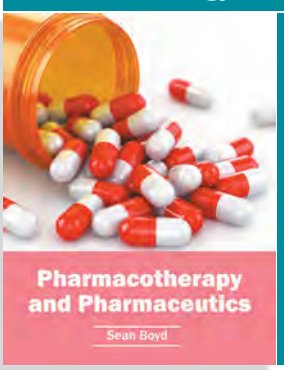
Book Size: 8.5”x11”
256pp. Colored
Hardback



Pharmacology and Drug Discovery



Sean Boyd

ISBN
978-1-68286-352-7
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Pub Year: 2016
Book Size: 8.5”x11”
286pp. Colored
Hardback

Pharmacotherapy and Pharmaceutics

Pharmacotherapy and pharmaceutics are branches of pharmaceutical science which purely deal with pharmaceutical drugs. Drug development is essential for research and discovering new drugs for better medical treatment. This book compiles case studies from all parts of the world in these fields. It focuses on the conception, design, manufacture, classification, etc. of existing as well as new drugs. This book will serve as a reference material for students and professionals alike.

Pharmacology and Drug Discovery

Textbook of Pharmacology and Toxicology

Toxicology forms an integral part of pharmacology. It plays a crucial role in drug development as well. This book integrates the applications of toxicology and pharmacology through researches collected from across the globe. Some of the areas covered in this book are drug safety, drug interactions, drug reaction and monitoring, evaluation of drugs, ecotoxicology, etc. This text will prove to be a beneficial resource material for students, scholars, pharmacologists, researchers and anyone else who wants to delve deeper into the advancements in pharmacology and toxicology.

Abby Calvin

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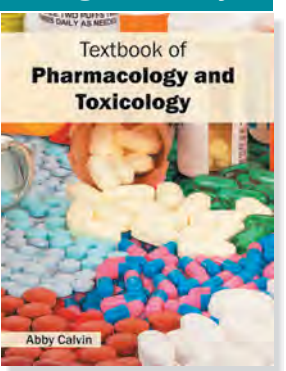
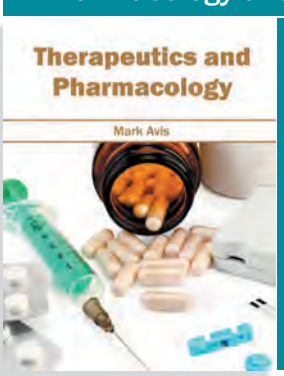


Pharmacology and Drug Discovery



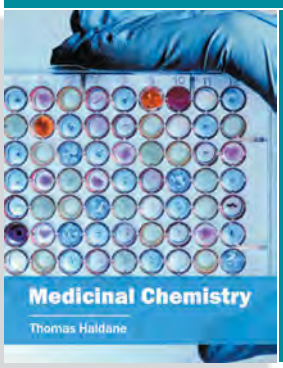
Mark Avis

ISBN
978-1-68286-166-0
$149.99 US
Pub Year: 2016
Book Size: 8.5”x11”
226pp. Colored
Hardback

Therapeutics and Pharmacology

Pharmacology is a broad field concentrating on the design and discovery of new and useful drugs. Constant research is occurring in this field across the globe. This book comprises contributions of international experts in all areas of clinical and experimental pharmacology. Also included in this book are some contemporary and progressive clinical trials. It will prove beneficial to students, academicians, pharmacologists and anyone else who wants to gain an in-depth knowledge of this field.

Medicinal Chemistry



Thomas Haldane
ISBN 978-1-68286-016-8
$139.99 US
Pub Year: 2016
Book Size: 8.5”x11”
187pp. Colored
Hardback

Medicinal Chemistry

Medicinal chemistry is a field that integrates the concepts of pharmacology and organic chemistry. This book contains some path-breaking studies in the field of medicinal chemistry which will help students and research scholars gain significant insights. Vital topics like pharmacokinetics, structure-activity relationships, etc., have been elucidated in this book. It will help the readers, especially those pursuing this discipline, in keeping pace with the current techniques and discoveries in the field of medicinal chemistry.

Medicinal Chemistry

Medicinal Chemistry: From Concepts to Applications

Medicinal chemistry is an evolving field of science that deals with the development and design of pharmaceutical drugs. It has aided the discovery and development of new drugs for curing severe diseases. The main objective of this book is to give a general overview of different areas of synthetic organic chemistry, structural biology, chemical biology, etc. This book will prove to be beneficial for students and professionals alike.

Erica Helmer
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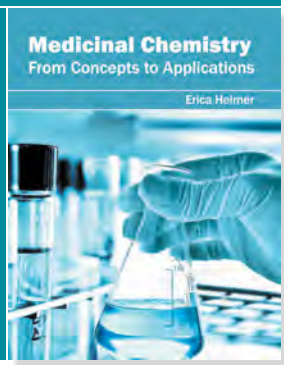
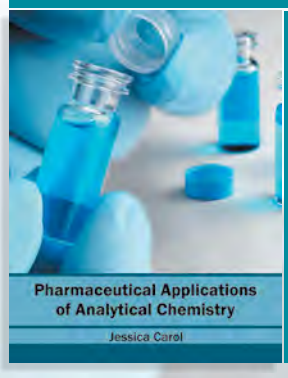


Medicinal Chemistry



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Pharmaceutical Applications of Analytical Chemistry

Analytical chemistry involves the identification and separation of chemical elements in both artificial and natural substances. This discipline has found its application in multiple fields like forensics, environmental and clinical analysis, etc. This book focuses on the experimental and analytical tools & methods utilized in the development and production of pharmaceutics. The researches included in this book provide new insights into the modern theories and applications of this field. It will serve as a valuable source of reference to students, academicians and professionals engaged in this area.

Medicinal Chemistry

Textbook of Medicinal Chemistry

Medicinal chemistry is an interdisciplinary field that incorporates concepts from various disciplines such as organic chemistry, pharmacology, biochemistry, etc. This book is a compilation of chapters that discuss topics like analytical chemistry, synthesis of chemical compounds, drug design, discovery and composition, etc. It presents researches and case studies by internationally acclaimed scholars. The book would be a comprehensive source of reference for all the students and academicians engaged in this field.

Erica Helmer
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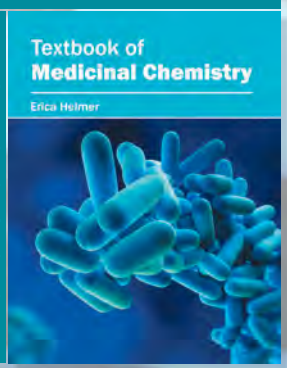

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