



2019 CATALOGUE

BIOLOGY & LIFE SCIENCES

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Arcler Press

MODELLING OF MOLECULAR PROPERTIES**Theoretical Principles and Numerical Simulations***Edited by Maria Emilova Velinova*

Dec 2018 277pp

9781773615431 Hardback £155.00 / €179.00

Considers various aspects of modelling of molecular properties, including an extensive historical overview of theoretical principles and numerical simulations in modelling of molecular properties and related issues. The book includes definitions and explanations related to elements of quantum mechanics.

Cognella Academic Publishing

BIOLOGY**Textbook and Activities for the Flipped Classroom***Kevin Bonney & Lori Nicholas*

Nov 2018 300pp

9781516508952 Paperback £113.00 / €132.00

Designed to support the flipped classroom method of teaching, *Biology: Textbook and Activities for the Flipped Classroom* introduces students to the fundamentals of biology. Each lesson in the textbook is complemented by a variety of active learning exercises and assessment questions.

Delve Publishing

BACTERIAL CELL BIOLOGY*Edited by Olivia Bouisset*

Dec 2018 300pp

9781773611907 Hardback £145.00 / €168.00

Edited by experts, this book includes contributions discussing dimensional organisation of the bacterial cell, various subcellular structures found in bacteria. Providing an integrated collection of contributions from leading researchers and scientists, this book will be of invaluable reference for researchers and of general use to teachers, students, and scientists in bacterial cell biology.

BACTERIAL CELL BIOLOGY*Edited by Stephen Rego*

Dec 2018 300pp

9781773615356 Hardback £150.00 / €174.00

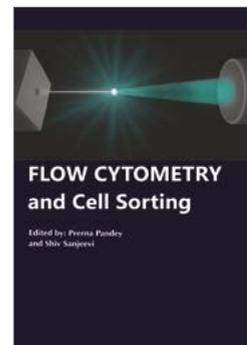
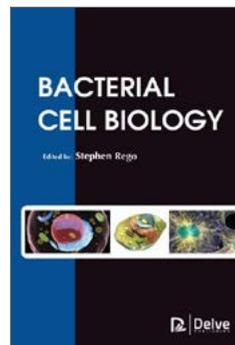
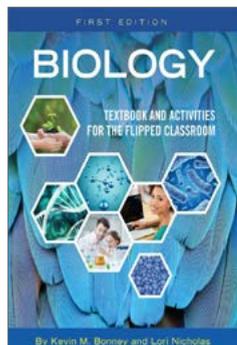
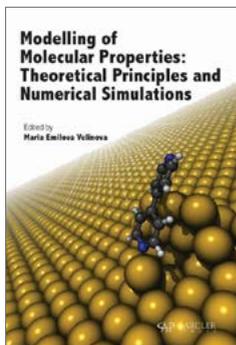
A complete reference material for readers interested in bacterial cell biology. Recent technological developments in clinical microbiology are covered to provide readers with a whole sum perspective of the subject.

FLOW CYTOMETRY AND CELL SORTING*Edited by Prerna Pandey & Shiv Sanjeevi*

Dec 2018 300pp

9781773613888 Hardback £150.00 / €174.00

Flow cytometry allows a cell population to be analysed. This book describes the technology involved. It covers managing flow cytometry/cell sorting core facilities for emerging researchers, in particular in developmental, cellular, and molecular biology.



FUNGI AND THEIR UTILIZATIONS

Rabia Iftikhar

Dec 2018 300pp

9781773610573 Hardback £145.00 / €168.00

Offers a comprehensive and thoroughly integrated treatment of the biology of the fungi, and deals with the application of fungi and the strategic management of some plant pathogens.

GENE EDITING

An Update

Edited by Prerna Pandey & Shiv Sanjeevi

Dec 2018 277pp

9781773614731 Hardback £150.00 / €174.00

Examines various aspects of gene editing, including an extensive overview about the tools that are used in editing of genes and related concepts. The book includes definitions of genomic editing, gene editing and the Cas system.

GENETIC ENGINEERING

Principles and Advancements

Edited by Vikas Mishra

Dec 2018 277pp

9781773615271 Hardback £150.00 / €174.00

Explores various aspects of genetic engineering, including an extensive overview of genetic engineering and related principles and advances. Coverage includes molecular biology and biotechnology, and a one-step cloning method for the construction of somatic cell gene targeting vectors.

GTPASES IN CELLULAR SIGNALLING

Edited by Prerna Pandey & Shiv Sanjeevi

Dec 2018 285pp

9781773613871 Hardback £150.00 / €174.00

Examines aspects of cellular signaling, including an extensive overview of GTPases and related concepts. The book includes definitions of GTPASES in Signaling, GTPASES in Prokaryotes and the latest trends in the cellular signaling.

MARINE MAMMAL BIOLOGY

An Evolutionary Approach

Pooja Pandya

Dec 2018 300pp

9781773612454 Hardback £150.00 / €174.00

Taking an integrated approach to the biology of marine mammals; this book provides a general introduction to the biology of marine mammals, and an overview of the adaptations that have permitted mammals to succeed in the marine environment. It explores the essential aspects of what makes marine mammals physiologically "different" from terrestrial mammals.

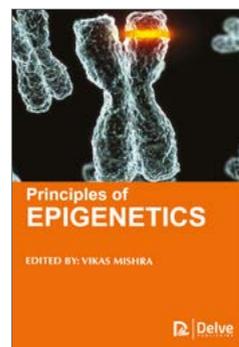
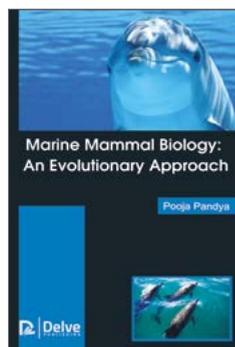
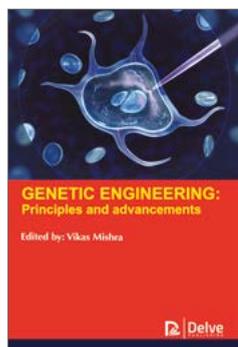
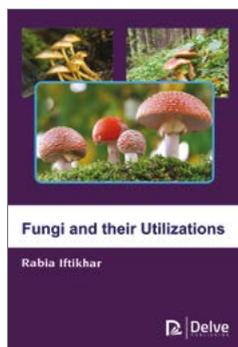
PRINCIPLES OF EPIGENETICS

Edited by Vikas Mishra

Dec 2018 300pp

9781773615295 Hardback £150.00 / €174.00

Examines various dimensions of epigenetics and its relationship to human disease. Part I deals with epigenetics in human diseases; Part II covers yeast epigenetics; Part III covers plant epigenetics.



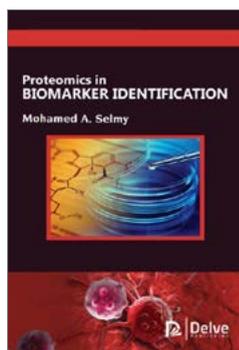
PROTEOGENOMICS

Mohamed A. Selmy

Dec 2018 300pp

9781773611594 Hardback £150.00 / €174.00

Proteins are understood to be the main workhorses in the cell, participating in a wide variety of activities from cell structure to inter- and intra-cellular transport. This work integrates key technologies and identifies areas for further development in proteogenomics.



PROTEOMICS IN BIOMARKER IDENTIFICATION

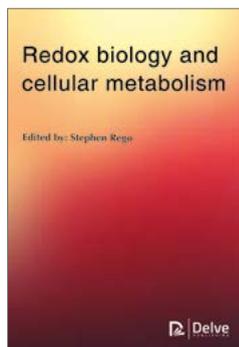
Mohamed A. Selmy

Dec 2018 300pp

9781773610825 Hardback
£145.00 / €168.00

Packed with methods and techniques, this book presents a standard operating procedure for sample selection, preparation, and storage, as well as data analysis

and modelling. Authoritative and practical, this book will appeal to students of biochemistry, molecular biology and genetics, and all postgraduates and researchers with an interest in genomics and proteomics.



REDOX BIOLOGY AND CELLULAR METABOLISM

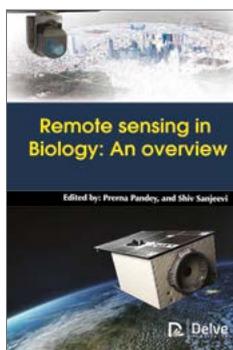
Edited by Stephen Rego

Dec 2018 350pp

9781773615370 Hardback
£150.00 / €174.00

Examines various aspects of redox biology, including extensive information related to cellular metabolism. The book provides the reader with insights into the development

of the cellular metabolism and examines the impact of various enzymes of carbohydrate metabolism on human body.



REMOTE SENSING IN BIOLOGY

An Overview

Edited by Prerna Pandey & Shiv Sanjeevi

Dec 2018 277pp

9781773611921 Hardback
£150.00 / €174.00

Explains various aspects of remote sensing in biology, describing the benefits and uses of remote sensing in agriculture and forestry. The

book includes the definition of remote sensing, application of remote sensing in health, digital technology and its connection with the conservation of nature, and remote sensing in ecology.

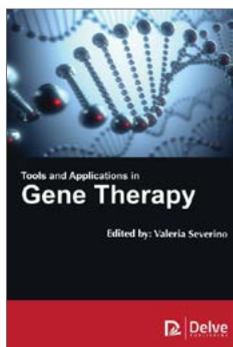
STRUCTURAL BIOLOGY OF MEMBRANES

Edited by Stephen Rego

Dec 2018 277pp

9781773615363 Hardback £150.00 / €174.00

Examines various methods to assess membrane structure, so as to understand bacterial membrane dynamics. The book covers methods to assess membrane structure and content, bacterial membrane dynamics, and the permeability of CO₂ through membranes.



TOOLS AND APPLICATIONS IN GENE THERAPY

Edited by Valeria Severino

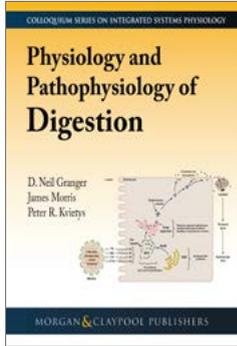
Dec 2018 277pp

9781773615240 Hardback
£150.00 / €174.00

Provides a detailed description of gene therapy, its progress and advances in non-viral DNA Vectors for Gene Therapy. Various gene delivery technologies are also covered

to offer readers innovative and efficient genome editing.

Morgan & Claypool Publishers



PHYSIOLOGY AND PATHOPHYSIOLOGY OF DIGESTION

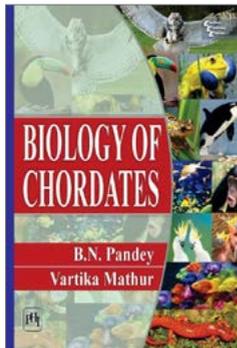
D. Neil Granger, James D. Morris & Peter R. Kvietys

Oct 2018 338pp
9781615046966 Paperback
£99.95 / €111.00
9781615047901 Hardback
£119.00 / €133.00

Colloquium Series on Integrated Systems Physiology: From Molecule to Function to Disease

Provides medical and graduate students, medical and surgical residents, and subspecialty fellows with a comprehensive summary of digestive system physiology and addresses the pathophysiological processes that underlie some GI diseases. The textual approach proceeds by organ, allowing the reader to track the food bolus through the GI tract.

PHI Learning



BIOLOGY OF CHORDATES

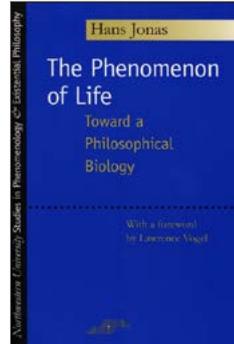
B.N. Pandey & Vartika Mathur
Dec 2018 624pp
9789387472136 Paperback
£48.50 / €54.00

Systematically and comprehensively provides a general account of the taxonomical, morphological, anatomical and physiological features of chordates. The text includes a discussion

of a representative genus in each class, and provides knowledge of other important genera.

BESTSELLERS

Northwestern University Press



THE PHENOMENON OF LIFE

Toward a Philosophical Biology

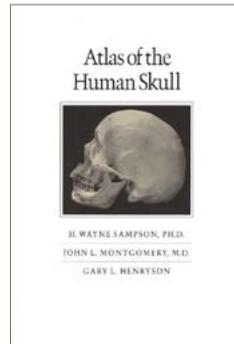
Hans Jonas

2000 328pp
9780810117495 Paperback
£37.95 / €42.00

Studies in Phenomenology and Existential Philosophy

Sets forth a systematic philosophy of biological facts, laid out in support of his claim that mind is prefigured throughout organic existence.

Texas A&M University Press



ATLAS OF THE HUMAN SKULL

H. Wayne Sampson, John L. Montgomery & Gary L. Henryson

2006 216pp, illustrations
9780890964880 Paperback £53.95 / €60.00

An easy-to-use comprehensive atlas dedicated solely to the human skull's anatomy. This atlas presents such an extensive coverage of the human skull that even the most inexperienced student can identify its features.

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