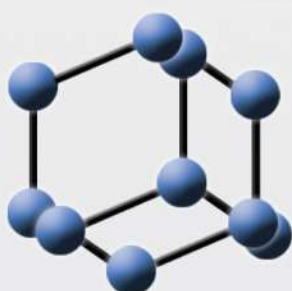


# **B**ENTHAM BOOKS **BEST SELLER** CATALOGUE

# 2021



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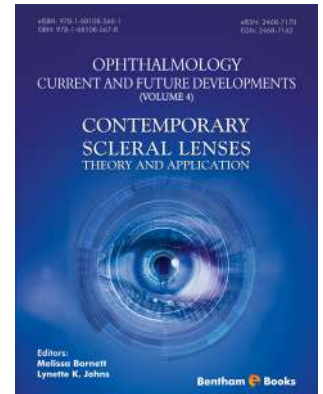




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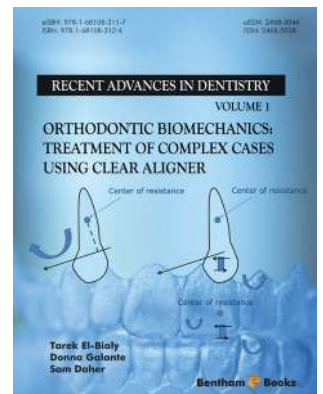
This textbook covers the history and evolution of scleral lenses, basic scleral lens structure, optics and customizable features of scleral lenses, analysis of ocular surface shape, ocular surface topography and advances in optometry technology. The book is a valuable reference for ophthalmology students and practitioners.



**PRICE \$174**

- **ORTHODONTIC BIOMECHANICS: TREATMENT OF COMPLEX CASES USING CLEAR ALIGNER**

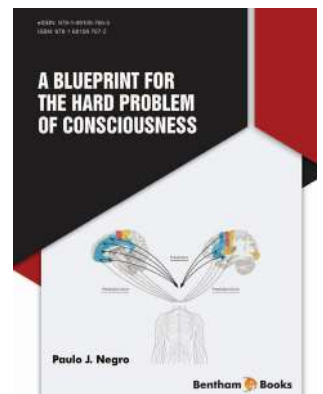
A useful guide which explains the use of clear aligners in a variety of complex malocclusions including increased teeth crowding, spacing, overjet, overbite, open bite, major jaw discrepancies, underbite and much more. Simplified treatment planning methods based on thorough diagnoses are also presented for the benefit of orthodontists in their daily dental practice.



**PRICE \$105**

- **A BLUEPRINT FOR THE HARD PROBLEM OF CONSCIOUSNESS**

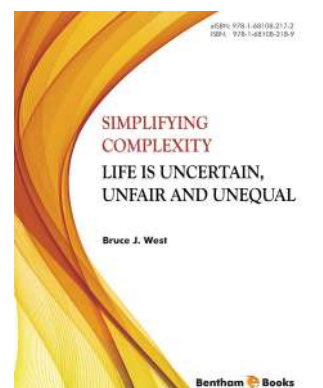
The book addresses the Hard Problem of Consciousness – the fundamental mechanism that allows physical events to transcend into subjective experiences. It offers a unique perspective to readers interested in the scientific philosophy and cognitive neuroscience theory in relation to models of the theory of consciousness.



**PRICE \$93**

- **SIMPLIFYING COMPLEXITY: LIFE IS UNCERTAIN, UNFAIR AND UNEQUAL**

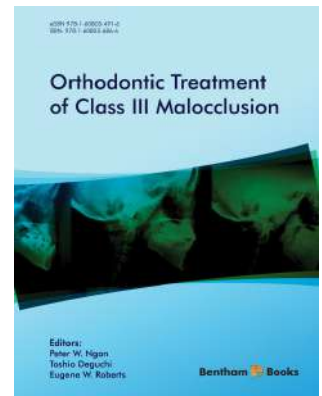
Simplifying Complexity explains the scientific study of complex cognitive networks, as well as the methods scientists use to parse difficult problems into manageable pieces. This is an essential read for advanced students (in the fields of sociology, cognitive science, complex networks and change management) and general readers looking for a more scientific guide to understanding and managing the nature of change in a complex world.



**PRICE \$119**

- **ORTHODONTIC TREATMENT OF CLASS III MALOCCLUSION**

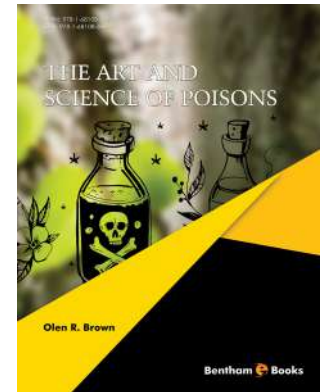
This textbook explains clinical treatment of patients with Class III malocclusions. It equips readers with a critical perspective of present information about craniofacial biology, diagnosis and treatment planning and contemporary orthodontic appliances used in daily orthodontic practice. It is a useful reference for dental medicine students and professionals.



**PRICE \$194**

- **THE ART AND SCIENCE OF POISONS**

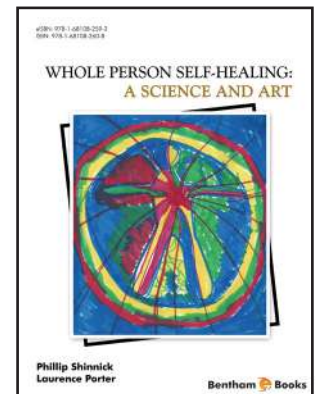
Presents the science of poisons (their biochemistry and natural occurrence) and their place in history and art (the legends and tales of intrigue, and the surreptitious deaths of well-known personalities). Readers with a curiosity about science, history and human nature will enjoy this brief, yet varied exploration into the world of poisons.



**PRICE \$89**

- **WHOLE PERSON SELF HEALING: A SCIENCE AND ART**

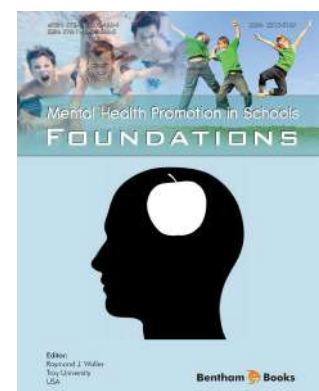
This book brings an interdisciplinary healing approach to relieve pain and suffering. It covers different topics that introduce readers to alternative therapies that can help the healing processes in the body, including an introduction to pulsed electromagnetic fields and their use in healing medicine, stable Bose-Einstein statistics, meditation techniques, scientific measurement of Qi energy and Qigong practice methods. The book also presents cases of family-based therapy and individuals recovering from painful injury.



**PRICE \$119**

- **MENTAL HEALTH PROMOTION IN SCHOOLS: FOUNDATIONS**

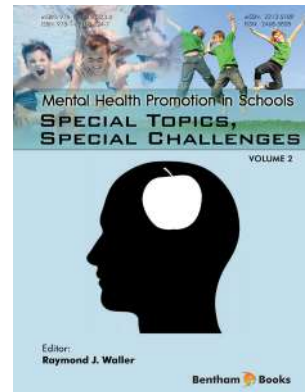
Student mental health has also been demonstrated to have a direct impact on student behavior and performance. This book discusses methods by which educators can promote student mental health, similar to the ways in which schools already promote physical health.



**PRICE \$119**

- **MENTAL HEALTH PROMOTION IN SCHOOLS: SPECIAL TOPICS, SPECIAL CHALLENGES**

This second volume in the book series gives clear explanations of some special topics and challenges related to the roles of the school in adolescent mental healthcare (such as disability, temperament, psychological resilience, school safety and LGBT issues). Each chapter addresses beneficial and detrimental practices that schools and any involved professionals may engage in.



**PRICE \$123**

- **HOW SMART PEOPLE CAN OVERCOME JET LAG**

This book scientifically explains the jet lag phenomenon. It then covers some easy tricks to fight jet lag, bright light, melatonin, sleeping pills and stimulants. Therefore, readers will be able to understand the reasons for jet lag and various ways to overcome it. **How Smart People Can Overcome Jet Lag** is a handy technical guide for anyone looking to make their air travel experiences less tiring.



**PRICE \$84**

- **ENVIRONMENTAL ISSUES FOR THE TWENTY-FIRST CENTURY AND THEIR IMPACT ON HUMAN HEALTH**

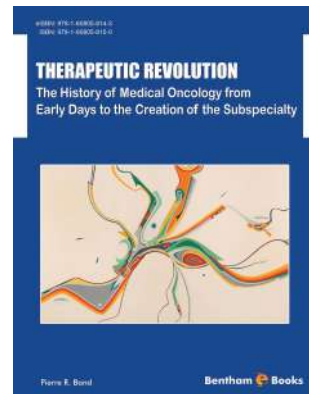
This book will be very useful to students of environmental science, ecology, ecotoxicology and others interested in a broad overview of contemporary environmental issues. It is presented in a simple, highly readable manner that makes it accessible to well-informed members of the public.



**PRICE \$63**

- **THERAPEUTIC REVOLUTION: THE HISTORY OF MEDICAL ONCOLOGY FROM EARLY DAYS TO THE CREATION OF THE SUBSPECIALTY**

Therapeutic Revolution relates the story of one of the great scientific tales of the twentieth century: how the field of medical oncology was created and its development owing to medical and scientific breakthroughs. Key events are explained through interviews of cancer treatment pioneers as well as the author's own experience of the pre-specialty era of medical practice.

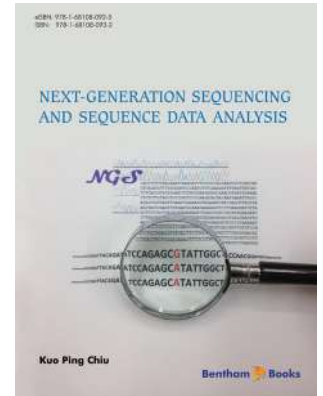


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- **NEXT-GENERATION SEQUENCING AND SEQUENCE DATA ANALYSIS**

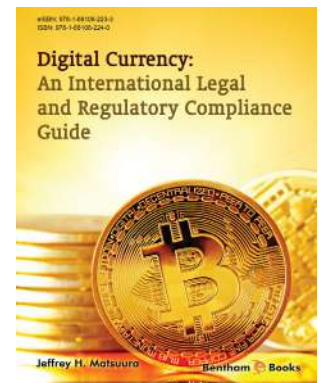
This primer on DNA sequencing techniques enables readers to learn about recent concepts and methods in genomics such as sequence library preparation, cluster generation for PCR technologies, PED sequencing, genome assembly, exome sequencing, transcriptomics and more. It serves as a handy textbook for bioinformatics and lab students as well as general readers interested in DNA sequencing techniques.



**PRICE \$107**

- **DIGITAL CURRENCY: AN INTERNATIONAL LEGAL AND REGULATORY COMPLIANCE GUIDE**

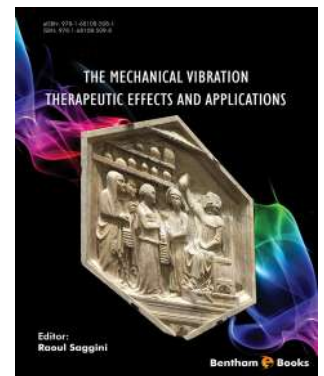
This book equips readers with information about the broad implications of laws and regulations on digital currency and blockchain development and how to incorporate these effectively into their professional and personal endeavors. This is a suitable book for businessmen and policymakers who are looking to understand blockchain currency regulations in order to implement the necessary frameworks to accommodate the technology.



**PRICE \$89**

- **THE MECHANICAL VIBRATION: THERAPEUTIC EFFECTS AND APPLICATIONS**

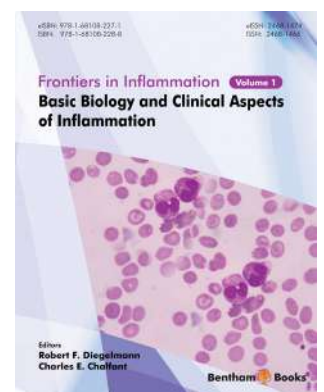
In rehabilitation medicine, the therapeutic application of vibration energy in specific clinical treatments and in sport rehabilitation is being affirmed by a growing number of medical professionals. This monograph presents basic information about vibrational therapy and its clinical applications. The combination of mathematical, physical and biomolecular modeling details, along with updated information on the subject make it a useful resource for medical professionals and researchers.



**PRICE \$119**

- **BASIC BIOLOGY AND CLINICAL ASPECTS OF INFLAMMATION**

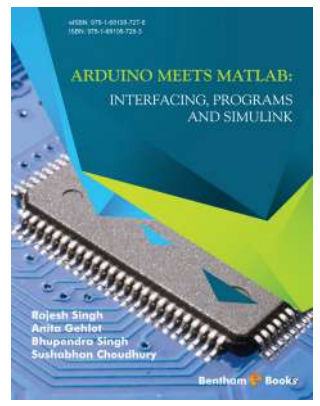
This book provides information about the critical cells and biochemical mediators involved in the complex process of inflammation. Readers are introduced to the basic scientific background on the subject, after which the book progresses towards translational research in clinical settings. Contributions to the text have been given by a distinguished group of researchers and clinicians highly recognized for their specific expertise in inflammation research.



**PRICE \$162**

• **ARDUINO MEETS MATLAB: INTERFACING, PROGRAMS AND SIMULINK**

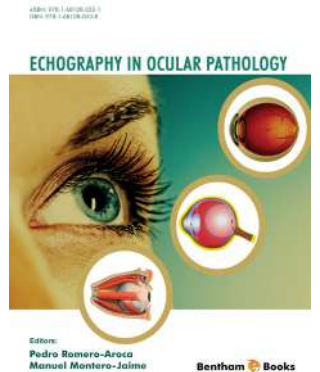
This book provides a single platform for beginners in systems engineering to start Arduino interface projects with MATLAB®. It covers the basics of the programming with Arduino and Arduino interfacing with MATLAB® (with and without the use or I/O packages). This is an ideal book for engineering students and system designers for learning the basic programming and simulation of Arduino and MATLAB® based real time project prototypes.



**PRICE \$99**

• **ECHOGRAPHY IN OCULAR PATHOLOGY**

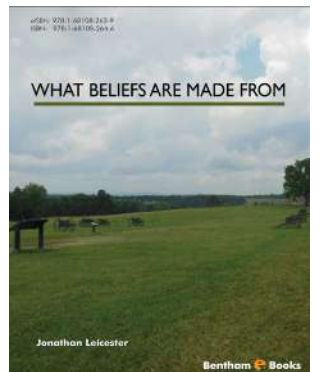
Echography in Ocular Pathology expands on the ultrasound exploration of the human eye with a review of the current knowledge about ocular ultrasound techniques and its indications in ophthalmic pathology. The book empowers readers – ophthalmologists and clinical technicians – with the knowledge to diagnose different eye pathologies and thus ameliorate ophthalmic patient management.



**PRICE \$77**

• **WHAT BELIEFS ARE MADE FROM**

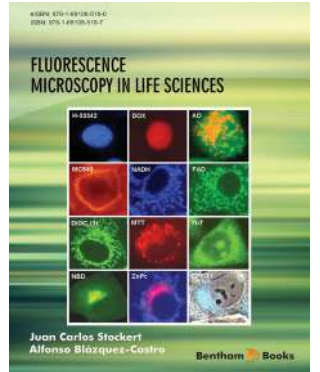
What Beliefs Are Made From explores the nature and purpose of belief by describing several beliefs that have been shared by many members of whole communities along with a review of common themes that appear throughout. General readers interested in the philosophy of the mind, and the psychology of belief will find it an interesting read.



**PRICE \$114**

• **FLUORESCENCE MICROSCOPY IN LIFE SCIENCES**

This textbook introduces readers to both the fundamentals and the applications of fluorescence microscopy in the biomedical field as well as biological research. Readers will learn about physical and chemical mechanisms giving rise to the phenomenon of luminescence and fluorescence in a comprehensive way. The different processes that modulate fluorescence efficiency and fluorescence features are also explored and explained.

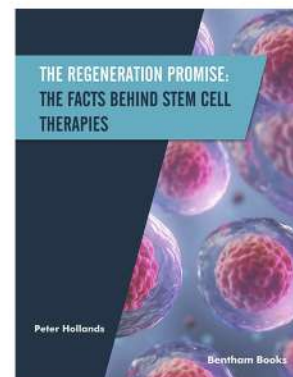


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## • THE REGENERATION PROMISE: THE FACTS BEHIND STEM CELL THERAPIES

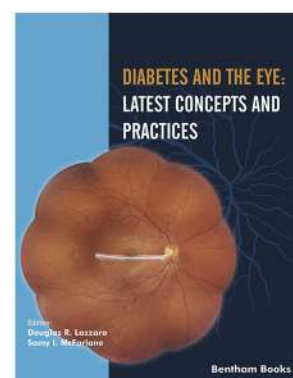
The Regeneration Promise is a reader-friendly guide to the world of regenerative medicine and stem cell technology. It covers the history of stem cell technology as a general introduction to the subject and then continues with a description of the many known types of stem cells and how these can potentially be used to treat disease.



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## • DIABETES AND THE EYE: LATEST CONCEPTS AND PRACTICES

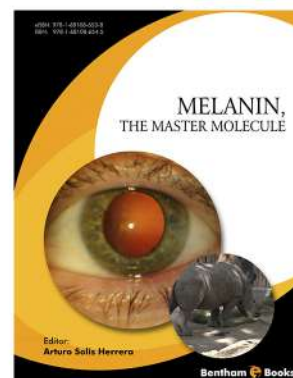
This book demonstrates the relationship between diabetes mellitus and the visual system. It presents a discussion about the diabetes epidemic and the many ways the disease can cause vision loss, with several types of vision disorders covered in separate chapters. Information about new advances made in the clinic are also included for the benefit of medical professionals and students in field of ophthalmology and rheumatology.



**PRICE \$83**

## • MELANIN, THE MASTER MOLECULE

This book is an exciting reference for biochemists and laymen interested in the science of melanin and a new perspective on the origin of life as we know it. The authors delve into the possibility of melanin being the key molecule needed to spark life since its water dissociating property through the absorption of light energy emulates the role of chlorophyll, but unlike the latter, it is not limited to plant cells.



**PRICE \$125**

## • THE COVID-19 PANDEMIC: EPIDEMIOLOGY, MOLECULAR BIOLOGY AND THERAPY

Covers relevant aspects of the recent COVID-19 pandemic including information about the SARS-CoV-2 pathogen, global epidemiology, transmission, risk factors, clinical manifestation, management, host immune response, pathogenesis, diagnosis, therapeutic agents (antivirals, natural compounds) and vaccines. General readers, academicians and biology students, alike, will find basic and advanced knowledge about the disease organized into simple and easy-to-read chapters in this comprehensive reference.



**PRICE \$59**



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