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### **KEY=ISEKI - GIOVANNA HARVEY**

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### **CLINICAL PRACTICE GUIDELINES FOR CHRONIC KIDNEY DISEASE**

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### **ACADEMIC WRITING FOR GRADUATE STUDENTS**

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### **ESSENTIAL TASKS AND SKILLS : A COURSE FOR NONNATIVE SPEAKERS OF ENGLISH**

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*University of Michigan Press ELT A Course for Nonnative Speakers of English. Genre-based approach. Includes units such as graphs and commenting on other data and research papers.*

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### **HANDBOOK OF FOOD ANALYSIS - TWO VOLUME SET**

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*CRC Press Updated to reflect changes in the industry during the last ten years, The Handbook of Food Analysis, Third Edition covers the new analysis systems, optimization of existing techniques, and automation and miniaturization methods. Under the editorial guidance of food science pioneer Leo M.L. Nollet and new editor Fidel Toldra, the chapters take an in*

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### **WILLIAMS HEMATOLOGY, 9E**

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*McGraw Hill Professional Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. The world's most highly regarded reference text on the mechanisms and clinical management of blood diseases A Doody's Core Title for 2019! Edition after edition, Williams Hematology has guided generations of clinicians, biomedical researchers, and trainees in many disciplines through the origins, pathophysiological mechanisms, and management of benign and malignant disorders of blood cells and coagulation proteins. It is acknowledged worldwide as the leading hematology resource, with editors who are internationally regarded for their research and clinical achievements and authors who are luminaries in their fields. The Ninth Edition of Williams Hematology is extensively revised to reflect the latest advancements in basic science, translational pathophysiology, and clinical practice. In addition to completely new chapters, it features a full-color presentation that includes 700 photographs, 300 of which are new to this edition, and 475 illustrations. Recognizing that blood and marrow cell morphology is at the heart of diagnostic hematology, informative color images of the relevant disease topics are conveniently integrated into each chapter, allowing easy access to illustrations of cell morphology important to diagnosis. Comprehensive in its depth and breath, this go-to textbook begins with the evaluation of the patient and progresses to the molecular and cellular underpinnings of normal and pathological hematology. Subsequent sections present disorders of the erythrocyte, granulocytes and monocytes, lymphocytes and plasma cells, malignant myeloid and lymphoid diseases, hemostasis and thrombosis, and transfusion medicine.*

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### **TCRP REPORT**

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*Transportation Research Board*

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### **LIVE FEEDS IN MARINE AQUACULTURE**

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*John Wiley & Sons As the expansion in world aquaculture continues at a very high rate, so does the need for information on feeding of cultivated fish and shellfish. In the larval and juvenile phases of many species, the use of manufactured feed is not possible. This important book covers in detail the biology and culture of the main live prey and microalgae used as feeds in the aquaculture of major*

commercial species including shrimps, sea bass, halibut, cod and bivalves. Contents include comprehensive details of the status of marine aquaculture in relation to live prey, and chapters covering the biology, production, harvesting, processing and nutritional value of microalgae and the main prey species: rotifers, *Artemia* and copepods. The editors have drawn together an impressive international team of contributors, providing a work that is set to become the standard reference and practical guide on the subject for many years to come. *Live Feeds in Marine Aquaculture* is an essential purchase for anyone involved in marine aquaculture, including fish farmers, researchers, and personnel in feed and equipment companies supplying the aquaculture trade. An extremely valuable tool as a reference and practical manual for students and professionals alike; libraries in all universities and research establishments where biological and aquatic sciences and aquaculture are studied and taught, should have copies available on their shelves.

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## **UREMIC TOXINS**

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*Springer Science & Business Media* The present book contains the Proceedings of a two day Symposium on Uremic Toxins organized at the University of Ghent in Belgium. A series of guest lectures, free communications and posters have been presented. An international audience of 163 scientists from 16 nationalities listened to and discussed extensively a spectrum of topics brought forward by colleagues and researchers who worked for many years in the field of Uremic Toxins. There is a striking contrast between all the new dialysis strategies available in the work to "clean" the uremic patients and the almost non-progression of our knowledge on uremic toxins in the past decade. In this sense the symposium was felt by all participants as a new start for the research in the biochemical field of the definition of uremia. If the present volume would stimulate new work in this field in order to define uremia, or identify the uremic toxins, the purpose of the organizers would be maximally fulfilled.

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## **MECHANISMS OF ADIPONECTIN ACTION**

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*MDPI* The adipokine adiponectin is very concentrated in plasma, and decreased levels of adiponectin are associated with pathological conditions such as obesity, diabetes, cardiovascular diseases, and metabolic syndrome. When produced in its full-length form, adiponectin self-associates to generate multimeric complexes. The full-length form of adiponectin can be cleaved by the globular form of elastase that is produced locally, and the resulting biological effects are exerted in a paracrine or autocrine manner. The different forms of adiponectin bind to specific receptors consisting of two G-protein-independent, seven-transmembrane-spanning receptors, called AdipoR1 and AdipoR2, while T-cadherin has been identified as a potential receptor for high molecular weight complexes of adiponectin. Adiponectin exerts a key role in cellular metabolism, regulating glucose levels as well as fatty acid breakdown. However, its biological effects are heterogeneous, involving multiple target tissues. The Special Issue "Mechanisms of Adiponectin Action" highlights the pleiotropic role of this hormone through 3 research articles and 7 reviews. These papers focus on the recent knowledge regarding adiponectin in different target tissues, both in healthy and in diseased conditions.

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## **RED BOOK**

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### **2009 REPORT OF THE COMMITTEE ON INFECTIOUS DISEASES**

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*Amer Academy of Pediatrics AAP Committee on Infectious Diseases; Editor: Larry K. Pickering, MD, FAAP; Associate editors: Carol J. Baker, MD, FAAP; David W. Kimberlin, MD, FAAP; Sarah S. Long, MD, FAAP* The revised and updated 2009 Red Book includes the latest findings and clinical guidelines on the manifestations, etiology, epidemiology, diagnosis, and treatment of more than 200 childhood conditions. "The authoritative guide to the latest pediatric infectious disease information" Developed by the AAP Committee on Infectious Diseases in conjunction with the CDC, the FDA, and other leading institutions with contributions from hundreds of physicians nationwide, the newly revised and updated 2009 "Red Book" continues the tradition of excellence with the latest findings and clinical recommendations on the manifestations, etiology, epidemiology, diagnosis, and treatment of more than 200 childhood conditions. 2009 Red Book Content Highlights All chapters and sections updated Key developments in combination vaccines 2009 AAP standards for child and adolescent immunization practices The latest on common misconceptions about immunizations Revised section on vaccine contraindications and precautions The latest on pregnancy and the human papillomavirus (HPV) vaccine Updated recommendations for routine screening of pregnant women for HIV The latest on sexually transmitted infections (STIs) in adolescents and children and recommendations for use of HPV vaccine Updated coverage of Adenovirus, Anthrax, Arboviruses, Candidiasis, "Clostridium difficile," Enteroviruses, Epstein-Barr Virus Infections New chapter on "Fusobacterium" infections Updated information on Hepatitis A and Hepatitis B Significantly revised chapters on Herpes Simplex and Human Immunodeficiency Virus Infection Updated chapter on Group A Streptococcal Infections New AHA guidelines for the prevention of infective endocarditis And much more!

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## **GROUNDWATER CHEMICALS DESK REFERENCE**

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*CRC Press* The latest edition of the bestselling *Groundwater Chemicals Desk Reference* has been thoroughly updated and expanded. In addition to information concerning the environmental fate and transport in various media, organic priority pollutants and chemicals commonly found in the workplace and the environment, it includes toxicity information for mammals and aquatic species in a clear,

consistent format.

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## **COMPUTER VISION, VIRTUAL REALITY AND ROBOTICS IN MEDICINE**

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### **FIRST INTERNATIONAL CONFERENCE, CVRMED '95, NICE, FRANCE, APRIL 3 - 6, 1995. PROCEEDINGS**

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*Springer* This book contains the written contributions to the program of the First International Conference on Computer Vision, Virtual Reality, and Robotics in Medicine (CVRMed'95) held in Nice during the period April 3-6, 1995. The articles are regrouped into a number of thematic sessions which cover the three major topics of the field: medical image understanding, registration problems in medicine, and therapy planning, simulation and control. The objective of the conference is not only to present the most innovative and promising research work but also to highlight research trends and to foster dialogues and debates among participants. This event was decided after a preliminary successful symposium organized in Stanford in March 1994 by E. Grimson (MIT), T. Kanade (CMU), R. Kikinis and W. Wells (Chair) (both at Harvard Medical School and Brigham and Women's Hospital), and myself (INRIA). We received 92 submitted full papers, and each one was evaluated by at least three members of the Program Committee, with the help of auxiliary reviewers. Based on these evaluations, a representative subset of the Program Committee met to select 19 long papers, 29 regular papers, and 27 posters. The geographical repartition of the contributions is the following: 24 from European countries (other than France), 23 contributions from France, 20 from Northern America (USA and Canada), and 8 from Asia (Japan and Singapore).

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## **BIOMECHANICS**

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### **PRINCIPLES AND APPLICATIONS**

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*CRC Press* Biomechanics: Principles and Applications offers a definitive, comprehensive review of this rapidly growing field, including recent advancements made by biomedical engineers to the understanding of fundamental aspects of physiologic function in health, disease, and environmental extremes. The chapters, each by a recognized leader in the field, address

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### **BIBLIOGRAPHIC GUIDE TO EDUCATION**

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... lists publications cataloged by Teachers College, Columbia University, supplemented by ... The Research Libraries of The New York Public Library.

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## **DATA ANALYTICS AND APPLICATIONS OF THE WEARABLE SENSORS IN HEALTHCARE**

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*MDPI* This book provides a collection of comprehensive research articles on data analytics and applications of wearable devices in healthcare. This Special Issue presents 28 research studies from 137 authors representing 37 institutions from 19 countries. To facilitate the understanding of the research articles, we have organized the book to show various aspects covered in this field, such as eHealth, technology-integrated research, prediction models, rehabilitation studies, prototype systems, community health studies, ergonomics design systems, technology acceptance model evaluation studies, telemonitoring systems, warning systems, application of sensors in sports studies, clinical systems, feasibility studies, geographical location based systems, tracking systems, observational studies, risk assessment studies, human activity recognition systems, impact measurement systems, and a systematic review. We would like to take this opportunity to invite high quality research articles for our next Special Issue entitled "Digital Health and Smart Sensors for Better Management of Cancer and Chronic Diseases" as a part of Sensors journal.

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## **CAROTENOIDS**

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### **PHYSICAL, CHEMICAL, AND BIOLOGICAL FUNCTIONS AND PROPERTIES**

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*CRC Press* Carotenoids are of great interest due to their essential biological functions in both plants and animals. However, the properties and functions of carotenoids in natural systems are surprisingly complex. With an emphasis on the chemical aspects of these compounds, Carotenoids: Physical, Chemical, and Biological Functions and Properties presents a broad overview and recent developments with respect to understanding carotenoid structure, electronic and photochemical properties, and the use of novel analytical methods in the detection and characterization of carotenoids and their actions. The text also explores LC/MS and LC/MS/MS techniques as well as new applications of PCR and molecular biology methodologies.

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## BIOELECTROMAGNETICS

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### HUMAN SAFETY AND BIOMEDICAL APPLICATIONS

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*CRC Press* This book is an educational resource of evolving scientific knowledge in the area of bioelectromagnetics that may serve the interests of students and decision-makers, as well as society as a whole. It is distinguished by extensive descriptions of fundamental biophysical concepts and their relevance to human health. Reflecting the transdisciplinary approach from several different intellectual streams including physics, biology, epidemiology, medicine, environment, risk science, and engineering, the book is quite a venture into the battling studies to assess the latest research on health effects and biomedical applications of EM energy. This new edition of the book particularly looks at the potential threats from the emerging 5G wireless networks, which will deploy large numbers of low-powered smartphones, notebooks, tablets, radio access networks, and other transmitters. Features Introduces necessary biophysical principles of EM fields in the context of their interaction with living systems. Strengthens understanding of cutting-edge research on several major areas in the broad area of bioelectromagnetics. Presents safety standards and guidelines for human exposure to EM fields. Discusses techniques that have been developed to ensure adequate EM-thermal dosimetry required for both health effects and biomedical applications. Provides insight into the determinants of EM health risk assessment and public concerns. Includes extensive reference list at the end of each chapter to enhance further study. Riadh Habash is a special appointment professor and McLaughlin Research Chair in Electromagnetic Fields and Health at the University of Ottawa, Canada. He has been the recipient of many awards, including the National Wighton Fellowship Award, and has authored or co-authored over 90 research articles, six books, and five book chapters. His most recent books are *Green Engineering* in 2017 and *Professional Practice* in 2019 (CRC Press), with the remaining previous books targeting the area of bioelectromagnetics.

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### STEM CELLS

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### THERAPEUTIC APPLICATIONS

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*Springer Nature* Since different types of stem cells for therapeutic applications have recently been proposed, this timely volume explores various sources of stem cells for tissue and organ regeneration and discusses their advantages and limitations. Also discussed are pros and cons for using embryonic stem cells, induced pluripotent stem cells, and adult stem cells isolated from postnatal tissues. Different types of adult stem cells for therapeutic applications are also reviewed, including hematopoietic stem cells, epidermal stem cells, endothelial progenitors, neural stem cells, mesenchymal stem cells, and very small embryonic-like stem cells. This book also addresses paracrine effects of stem cells in regenerative medicine that are mediated by extracellular microvesicles and soluble secretome. Finally, potential applications of stem cells in cardiology, gastroenterology, neurology, immunotherapy, and aging are presented. This is an ideal book for students and researchers working in the stem cell research field.

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### PRACTICAL APPLICATIONS OF PHOSPHORS

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*CRC Press* Drawn from the second edition of the best-selling *Phosphor Handbook*, *Practical Applications of Phosphors* outlines methods for the production of various phosphors and discusses a broad spectrum of applications. Beginning with methods for synthesis and related technologies, the book sets the stage by classifying and then explaining practical phosphors according to usage. It describes the operating principle and structure of phosphor devices and the phosphor characteristics required for a given device, then covers the manufacturing processes and characteristics of phosphors. The book discusses research and development currently under way on phosphors with potential for practical usage and touches briefly on phosphors that have played a historical role, but are no longer of practical use. It provides a comprehensive treatment of applications including lamps and cathode-ray tubes, x-ray and ionizing radiation, and for vacuum fluorescent and field emission displays and covers inorganic and organic electroluminescence materials. The book also covers phosphors for plasma displays, organic fluorescent pigments, and phosphors used in a variety of other practical applications. Emphasizing the practical and cutting-edge nature of the material included, the editors round out their coverage with a discussion of solid-state and organic laser materials.

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### LIBRARY OF CONGRESS CATALOG

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### A CUMULATIVE LIST OF WORKS REPRESENTED BY LIBRARY OF CONGRESS PRINTED CARDS. BOOKS: SUBJECTS

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### EMPIRES AND EXCHANGES IN EURASIAN LATE ANTIQUITY

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**ROME, CHINA, IRAN, AND THE STEPPE, CA. 250-750**

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Cambridge University Press *Empires and Exchanges in Eurasian Late Antiquity* offers an integrated picture of Rome, China, Iran, and the Steppes during a formative period of world history. In the half millennium between 250 and 750 CE, settled empires underwent deep structural changes, while various nomadic peoples of the steppes (Huns, Avars, Turks, and others) experienced significant interactions and movements that changed their societies, cultures, and economies. This was a transformational era, a time when Roman, Persian, and Chinese monarchs were mutually aware of court practices, and when Christians and Buddhists criss-crossed the Eurasian lands together with merchants and armies. It was a time of greater circulation of ideas as well as material goods. This volume provides a conceptual frame for locating these developments in the same space and time. Without arguing for uniformity, it illuminates the interconnections and networks that tied countless local cultural expressions to far-reaching inter-regional ones.

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**PRINCIPLES OF ANIMAL NUTRITION**

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CRC Press *Animals are biological transformers of dietary matter and energy to produce high-quality foods and wools for human consumption and use. Mammals, birds, fish, and shrimp require nutrients to survive, grow, develop, and reproduce. As an interesting, dynamic, and challenging discipline in biological sciences, animal nutrition spans an immense range from chemistry, biochemistry, anatomy and physiology to reproduction, immunology, pathology, and cell biology. Thus, nutrition is a foundational subject in livestock, poultry and fish production, as well as the rearing and health of companion animals. This book entitled Principles of Animal Nutrition consists of 13 chapters. Recent advances in biochemistry, physiology and anatomy provide the foundation to understand how nutrients are utilized by ruminants and non-ruminants. The text begins with an overview of the physiological and biochemical bases of animal nutrition, followed by a detailed description of chemical properties of carbohydrates, lipids, protein, and amino acids. It advances to the coverage of the digestion, absorption, transport, and metabolism of macronutrients, energy, vitamins, and minerals in animals. To integrate the basic knowledge of nutrition with practical animal feeding, the book continues with discussion on nutritional requirements of animals for maintenance and production, as well as the regulation of food intake by animals. Finally, the book closes with feed additives, including those used to enhance animal growth and survival, improve feed efficiency for protein production, and replace feed antibiotics. While the classical and modern concepts of animal nutrition are emphasized throughout the book, every effort has been made to include the most recent progress in this ever-expanding field, so that readers in various biological disciplines can integrate biochemistry and physiology with nutrition, health, and disease in mammals, birds, and other animal species (e.g., fish and shrimp). All chapters clearly provide the essential literature related to the principles of animal nutrition, which should be useful for academic researchers, practitioners, beginners, and government policy makers. This book is an excellent reference for professionals and a comprehensive textbook for senior undergraduate and graduate students in animal science, biochemistry, biomedicine, biology, food science, nutrition, veterinary medicine, and related fields.*

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**DISCOVERING GEOMETRY**

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**AN INVESTIGATIVE APPROACH. TEACHING AND WORKSHEET MASTERS**

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**ACUTE ISCHEMIC STROKE**

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**IMAGING AND INTERVENTION**

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Springer Science & Business Media *This updated second edition of Acute Ischemic Stroke: Imaging and Intervention provides a comprehensive account of the state of the art in the diagnosis and treatment of acute ischemic stroke. The basic format of the first edition has been retained, with sections on fundamentals such as pathophysiology and causes, imaging techniques and interventions. However, each chapter has been revised to reflect the important recent progress in advanced neuroimaging and the use of interventional tools. In addition, a new chapter is included on the classification instruments for ischemic stroke and their use in predicting outcomes and therapeutic triage. All of the authors are internationally recognized experts and members of the interdisciplinary stroke team at the Massachusetts General Hospital and Harvard Medical School. The text is supported by numerous informative illustrations, and ease of reference is ensured through the inclusion of suitable tables. This book will serve as a unique source of up-to-date information for neurologists, emergency physicians, radiologists and other health care providers who care for the patient with acute ischemic stroke.*

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**DEMENTIA WITH LEWY BODIES**

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## **AND PARKINSON'S DISEASE DEMENTIA**

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*CRC Press Filling a noticeable gap in the market for a new text solely focused on Dementia with Lewy Bodies, this book discusses cutting-edge topics covering the condition from diagnosis to management, as well as what is known about the neurobiological changes involved. With huge progress having been made over the last decade in terms of the disorder*

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## **REPAIR AND REGENERATION OF LIGAMENTS, TENDONS, AND JOINT CAPSULE**

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*Springer Science & Business Media A comprehensive and authoritative review of the most important scientific and clinically relevant topics today in ligaments, tendons, and capsular biology, including their biomechanics and surgical reconstruction. The authors review the basic science of tendons in the hand and shoulder ligaments, the current clinical status of the shoulder and cruciate ligaments, and the latest advances in research on the healing of ligament and tendon to bone, artificial ligaments, and gene therapy. They also cover the major type 1 collagen soft tissues that are of particular interest to upper extremity surgeons and sports medicine specialists.*

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## **STRUCTURAL CRASHWORTHINESS**

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*Butterworth-Heinemann*

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## **STEM CELLS HANDBOOK**

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*Springer Science & Business Media This book discusses critical areas of progress in stem cell research, including the most recent research and applications of pluripotent embryonic cells, induced pluripotent cells, oligopotent tissue stem cells and cancer stem cells. The text covers basic knowledge of stem cell biology, stem cell ethics, development of techniques for applying stem cell therapy, the technology of obtaining appropriate cells for transplantation as well as the role of stem cells in cancer and how therapy may be directed to cancer stem cells. This new volume is essential reading for all scientists currently in the field or allied research areas, and those for those graduate students who envision a career in stem cells.*

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## **ARTIFICIAL STRUCTURES AND SHORELINES**

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*Springer Science & Business Media This volume is the result of an initiative of the Commission on the Coastal Environment of the International Geographical Union. The initial concept from which the plan has proceeded was presented at the 24th International Geographical Congress in Japan in 1980. AUTHORSHIP AND COVERAGE All of the articles in this volume have been written by specialists familiar with the coastal segment discussed. Nearly all have been prepared by citizens of the country (and, for that matter, even each subregion) considered. In the case of exceptions (e.g. Suriname), the authors have conducted fieldwork on the coast of the country they treat. In order to preserve the "on-the-spot" integrity of the volume, it was decided not to fill in the blanks along the world's coastline with library researched chapters. Thus, coverage is variable. Nearly every coastal country in Europe is represented whereas for Africa and South America there are major gaps. In addition, there are 2 instances of overlap. In the case of England (with a shoreline of nearly 3,000 km) a complementary chapter on Lincolnshire (with a shoreline of only 155 km) is included. The other case is the general article on the Baltic Coast of the USSR which is supported by chapters on Estonia and Lithuania.*

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## **PROPERTIES OF GLASS-FORMING MELTS**

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*CRC Press This book presents state-of-the-art information concerning properties and processes involved in glass melts. Based upon contributions by renowned authors and scientists working with glass melt systems, Properties of Glass-Forming Melts is an excellent compilation of the current knowledge on property data, mechanisms, measurement techniques, and structure-related properties of glass-forming. The authors provide in-depth analyses of such topics as glass-melt density, thermal expansion, heat conductivity, and chemical activities. Each chapter combines fundamental concepts with a compilation of recent and reliable data that is essential in the modeling of glass melting, fining, conditioning, and forming. The book first discusses the glass-forming melts, thermodynamics, transport properties, and redox effects of glass. This provides a sound basis to the analysis of important properties of glass melts such as viscosity, surface tension, density, and heat capacity as well as more generalized subjects of heat transfer and gas solubility. A chapter on electrical properties provides a solid foundation for understanding glass melting via direct Joule heating of the melt. The examination of the corrosive nature of molten glasses will be of great interest to tank designers and operators. This unique handbook concludes with an overview of nuclear waste vitrification, a growing discipline that relies on current data and encourages research in glass melts. This book is an ideal starting place for future-generation glass scientists and an effective reference for scientists who require data on the behavior of viscous melts and for glass technologists who apply mathematical models simulating the melting and forming processes. Properties of Glass-Forming Melts offers a one-of-a-kind and valuable source of reliable data and insight by those with firsthand knowledge and experiences in this field.*

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## **HANDBOOK OF FERMENTED FUNCTIONAL FOODS**

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*CRC Press Fermented foods have been an important part of the human diet in many cultures for many centuries. Modern research, especially on the immune system, is revealing how these foods and their active ingredients impact human health. Handbook of Fermented Functional Foods presents the latest data on fermented food products, their production processes, an*

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## **HETEROCYCLIC CHEMISTRY**

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## **AN ILLUSTRATED HISTORY OF HEALTH AND FITNESS, FROM PRE-HISTORY TO OUR POST-MODERN WORLD**

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*Springer This book examines the health/fitness interaction in an historical context. Beginning in primitive hunter-gatherer communities, where survival required adequate physical activity, it goes on to consider changes in health and physical activity at subsequent stages in the evolution of "civilization." It focuses on the health impacts of a growing understanding of medicine and physiology, and the emergence of a middle-class with the time and money to choose between active and passive leisure pursuits. The book reflects on urbanization and industrialization in relation to the need for public health measures, and the ever-diminishing physical demands of the work-place. It then evaluates the attitudes of prelates, politicians, philosophers and teachers at each stage of the process. Finally, the book explores professional and governmental initiatives to increase public involvement in active leisure through various school, worksite, recreational and sports programmes.*

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## **CLINICAL NEPHROTOXINS**

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## **RENAL INJURY FROM DRUGS AND CHEMICALS**

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*Springer Science & Business Media GEORGE A. PORTER information is an international commodity whose The field of clinical nephrotoxicity involves toxins of interpretation and application are strongly influenced diverse origin and exposure. A significant contribution by both the cultural and ethnic background of the to this problem arises from registered and non-regis observer. The opportunity to share in the rich diversity tered drugs either prescribed or purchased over the of the international scientific community was a fun counter. Another major contributor comes from occu pational or industrial exposures. Each situation pre damental goal of this endeavor. To participate as sents the nephrologist with unique challenges con equals leads to mutual respect and peer appreciation. cerning diagnosis, confirrnation, and treatment includ The sharing of intellectual resources which such an ing limitation from future exposure. In selecting drugs effort fosters, should facilitate the advancement of for inclusions in this book the editors were guided by sound science. both frequency and current knowledge. For occupa Our approach to the field of nephrotoxicity is from tionall environmental exposures similar guidelines the perspective of a book which will be of value to the were applied. As one reviews the world's literature clinician. In this respect we have chosen compounds concerning nephrotoxicity two types of investigation wh ich are of current importance to the nephrologist and his/her patient rather than of historical interest.*

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## **THE TWO HALVES OF THE BRAIN**

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## **INFORMATION PROCESSING IN THE CEREBRAL HEMISPHERES**

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*MIT Press This volume provides a comprehensive view of the latest research in brain asymmetry, offering not only recent empirical and clinical findings but also a coherent theoretical approach to the subject.*

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## **NUTRITION AND THE EYE**

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*MDPI This book is a printed edition of the Special Issue "Nutrition and the Eye" that was published in Nutrients*

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## **FUNGAL INFECTIONS IN IMMUNOCOMPROMISED HOSTS**

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*MDPI In this unique supplement, we have compiled several state-of-the-art topics that are based on lectures delivered by eminent mycology experts during the 37th ICHS meeting. We hope that the esteemed audience of the Journal of Fungi will enjoy and appreciate the ever-evolving and complex field of fungal infections in vulnerable hosts.*

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## **IMPROVING POTASSIUM RECOMMENDATIONS FOR AGRICULTURAL CROPS**

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*Springer Nature This open access book highlights concepts discussed at two international conferences that brought together world-renowned scientists to advance the science of potassium (K)*

recommendations for crops. There was general agreement that the potassium recommendations currently in general use are oversimplified, outdated, and jeopardize soil, plant, and human health. Accordingly, this book puts forward a significantly expanded K cycle that more accurately depicts K inputs, losses and transformations in soils. This new cycle serves as both the conceptual basis for the scientific discussions in this book and a framework upon which to build future improvements. Previously used approaches are critically reviewed and assessed, not only for their relevance to future enhancements, but also for their use as metrics of sustainability. An initial effort is made to link K nutrition in crops and K nutrition in humans. The book offers an invaluable asset for graduate students, educators, industry scientists, data scientists, and advanced agronomists.

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## **THE TRANSPORT SYSTEM AND TRANSPORT POLICY**

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### **AN INTRODUCTION**

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Edward Elgar Publishing *Ô*This very interesting book provides an excellent multi-disciplinary introduction into the functioning of transport systems and the interaction with their environments. *Ô* *Đ* Erik Verhoef, VU University Amsterdam, The Netherlands *Ô*The editors of this important book have clearly identified that few writings on transport treat the transport system as a whole. Implicit in this is a need for a genuinely multidisciplinary approach. An impressive list of contributors ensures that the book draws on the latest research whilst providing new insights into some of the key challenges facing transport students and researchers, transport providers and policy makers. *Ô* *Đ* Roger Vickerman, University of Kent, UK *Ô*Since ancient times transportation has brought our world together. But the need for connectivity and accessibility in a spatially differentiated world has prompted the emergence of very complex transportation systems. This book offers a fresh and operational contribution to a better understanding of the complexity and manageability of a mobile world, by addressing in a balanced way both conceptual and applied or policy aspects of modern transportation systems. *Ô* *Đ* Peter Nijkamp, Free University of Amsterdam, The Netherlands *Ô*Transport impacts on people and businesses in many different ways, and presents some of the key problems that decision-makers need to address. This comprehensive textbook introduces the transport system in a holistic and multidisciplinary way, bringing together the myriad components of transport. This textbook is written for an international readership of undergraduate and postgraduate students in transport and related subjects, as well as for professionals and policy decision-makers across both public and private sectors. Key features include: *¥* Discussion of the importance of transport accessibility and the impacts of transport on the environment and safety *¥* Policy issues relating to all of the discussed issues and prescribed future options. *¥* Transport evaluation methods and modelling approaches. *¥* Examples to highlight the linkages between components of the transport system *Đ* for example infrastructures, land-use, vehicle technologies *Đ* and the relevance of these linkages for decision making.

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## **BIOEFFECTS AND THERAPEUTIC APPLICATIONS OF ELECTROMAGNETIC ENERGY**

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CRC Press *Ô*From cell phones to treating cancer, EM energy plays a part in many of the innovations that we take for granted everyday. A basic force of nature, like nuclear energy or gravity, this energy can be harnessed and used, but still holds the potential to be harmful. The question remains, how safe are EM products? *Ô*Bioeffects and Therapeutic Applications of Electromagnetic Energy provides a review of cutting-edge research in EM health effects and EM therapy along with emerging areas of bioengineering and biomedical engineering. The book allows you to *·* Understand the necessary EM theory in the context of its interaction with the human body *·* Review cutting-edge research on EM health effects and EM therapy *·* Explore techniques developed to ensure adequate EM and thermal dosimetry required for health effects and thermal therapy *·* Strengthen your understanding of the rapidly emerging areas of bioengineering and biomedical engineering *Ô*Taking a transdisciplinary approach drawn from several intellectual streams that include physics, epidemiology, medicine, environment, risk assessment, and various disciplines of engineering, this book ventures into the conflicting studies to access research on bioeffects and therapeutic applications of EM energy. It is the only resource currently available that covers bioeffects and risk assessment of both extremely low frequency (ELF) fields and radiofrequency radiation (RFR) along with the recent developments in thermal therapy and imaging techniques.

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## **CALIFORNIA MANUFACTURERS REGISTER**

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