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KEY=PITT - JOURNEY COLEMAN

PARASITOLOGY

AN INTEGRATED APPROACH

John Wiley & Sons **Parasitology: An Integrated Approach**, provides a concise, student-friendly account of parasites and parasite relationships that is supported by case studies and suggestions for student projects. The book focuses strongly on parasite interactions with other pathogens and in particular parasite-HIV interactions, as well as looking at how host behaviour contributes to the spread of infections. There is a consideration of the positive aspects of parasite infections, how humans have used parasites for their own advantage and also how parasite infections affect the welfare of captive and domestic animals. The emphasis of Parasitology is on recent research throughout and each chapter ends with a brief discussion of future developments. This text is not simply an updated version of typical parasitology books but takes an integrated approach and explains how the study of parasites requires an understanding of a wide range of other topics from molecular biology and immunology to the interactions of parasites with both their hosts and other pathogens.

EVOLUTIONARY PARASITOLOGY

THE INTEGRATED STUDY OF INFECTIONS, IMMUNOLOGY, ECOLOGY, AND GENETICS

Oxford University Press **Concepts from evolution, ecology, parasitology, and immunology have informed a new synthesis of host-parasite interactions. The book builds on these established approaches whilst including some of the most successful interdisciplinary areas of modern biology - evolutionary epidemiology and ecological immunology.**

WILDLIFE DISEASE ECOLOGY

LINKING THEORY TO DATA AND APPLICATION

Cambridge University Press **Introduces readers to key case studies that illustrate how theory and data can be integrated to understand wildlife disease ecology.**

PANIKER'S TEXTBOOK OF MEDICAL PARASITOLOGY

JP Medical Ltd **The new edition of this textbook is a complete guide to parasitology for undergraduate medical students. Divided into 23 chapters, each topic has been thoroughly updated and expanded to cover the most recent advances and latest knowledge in the field. The book begins with an overview of parasitology, then discusses numerous different types of parasite, concluding with a chapter on diagnosis methods. Many chapters have been rewritten and the eighth edition of the book features many new tables, flow charts and photographs. Each chapter concludes with a 'key points' box to assist with revision. Key points Eighth edition providing undergraduates with a complete guide to parasitology Fully revised text with many new topics, tables and photographs Each chapter concludes with 'key points' box to assist revision Previous edition (9789350905340) published in 2013**

MECHATRONICS

AN INTEGRATED APPROACH

CRC Press **While most books on the subject present material only on sensors and actuators, hardware and simulation, or modeling and control, Mechatronics: An Integrated Approach presents all of these topics in a single, unified volume from which users with a variety of engineering backgrounds can benefit. The integrated approach emphasizes the design and inst**

MATERIALS MANAGEMENT

AN INTEGRATED APPROACH

PHI Learning Pvt. Ltd. Focussed on the importance of an integrated approach to materials management within the framework of the Indian environment, this work presents a comprehensive coverage of all aspects of the subject, such as the operational details of stores, purchase and inventory control as well as procedures and modern mathematical concepts. While dealing with policy aspects of materials management, including the concepts of management by objectives, it offers a lucid explanation of the application of modern scientific management techniques.

PARASITOLOGY

AN INTEGRATED APPROACH

John Wiley & Sons Parasitology Highly detailed textbook on parasites and parasite relationships The fully revised edition of Parasitology: An Integrated Approach holds true to its engaging and easy-to-read approach. It comprehensively covers the complex and dynamic interaction between the parasite and its host ranging from invertebrates to vertebrates. Following an integrated approach, the authors explain how the study of parasites requires an understanding of biological concepts such as growth and reproduction, molecular biology, biochemistry, immunology, and pathology. In this second edition, they further address parasites and parasite relationships in the grand scheme of global changes and their impact. This textbook also reviews the often-neglected positive aspects of parasite infections and how humans have used parasites for their own advantage. Parasitology: An Integrated Approach, 2nd edition includes supplementary learning resources such as self-assessment quizzes, practical exercises, and an extensive collection of photographs. Now includes parasite life cycles in colour Strong focus on parasite interactions with other pathogens such as bacteria and viruses Discusses major advancements in the field of parasite diagnostics Additional image material and learning resources (quizzes, practical exercises) provided online A valuable and comprehensive learning resource for undergraduate students in the biological, biomedical and veterinary sciences and in medicine. It is also of interest to postgraduates and professionals with an interest including but not limited to parasitology, animal welfare, ecology, and medical microbiology.

THE PSYCHOLOGY OF LANGUAGE

AN INTEGRATED APPROACH

SAGE Publications Breaking through the boundaries of traditional psycholinguistics texts, The Psychology of Language: An Integrated Approach, by David Ludden, takes an integrated, cross-cultural approach that weaves the latest developmental and neuroscience research into

every chapter. Separate chapters on bilingualism and sign language and integrated coverage of the social aspects of language acquisition and language use provide a breadth of coverage not found in other texts. In addition, rich pedagogy in every chapter and an engaging conversational writing style help students understand the connections between core psycholinguistic material and findings from across the psychological sciences.

THE UNITED NATIONS WORLD WATER DEVELOPMENT REPORT

VALUING WATER

UNESCO Publishing **Water is a finite and non-substitutable resource. As the foundation of life, societies and economies, it carries multiple values and benefits. But unlike most other natural resources, it has proven extremely difficult to determine its true 'value'. The 2021 edition of the United Nations World Water Development Report, titled "Valuing Water" assesses the current status of and challenges to the valuation of water across different sectors and perspectives and identifies ways in which valuation can be promoted as a tool to help improve its management and achieve global sustainable development.**

A LIFE COURSE APPROACH TO CHRONIC DISEASE EPIDEMIOLOGY

Oxford University Press **'A Life Course Approach to Chronic Disease Epidemiology' provides a detailed and up-to-date review of research findings which suggest that many of the chronic diseases prevalent in adult life have their origins in early life.**

ANALYSIS OF URBAN GROWTH AND SPRAWL FROM REMOTE SENSING DATA

Springer Science & Business Media **This book provides a comprehensive discussion on urban growth and sprawl, and how they can be analyzed using remote sensing imageries. It compiles views of numerous researchers that help in understanding the urban growth and sprawl; their patterns, process, causes, consequences, and countermeasures; how remote sensing data and geographic information system techniques can be used in mapping, monitoring, measuring, analyzing, and simulating the urban growth and sprawl and what are the merits and demerits of available methods and models. This book will be of value for the scientists and researchers engaged in urban geographic research, especially using remote sensing imageries. This book will serve as a rigours literature review for them. Post graduate students of urban geography or urban/regional planning may refer this book as additional studies. This book may help the academicians for preparing lecture notes and delivering lectures. Industry professionals may also be benefited from the discussed methods and models along with numerous citations.**

PROBABILITY AND INFORMATION

AN INTEGRATED APPROACH

Cambridge University Press Introduces probability and its applications to beginning students in mathematics, statistics or computer science.

INFECTIOUS DISEASES OF THE FETUS AND NEWBORN INFANT

W.B. Saunders Company

THE WELFARE OF CATS

Springer Science & Business Media Written by experts from the UK, the USA and Switzerland, this book focuses on the major issues affecting the welfare of domestic cats. It covers behaviour, the human-cat relationship, and the impact of housing, disease, nutrition and breeding on welfare.

EQUITY, SOCIAL DETERMINANTS AND PUBLIC HEALTH PROGRAMMES

World Health Organization This book is a collection of analyses of the social determinants of health that impact on specific health conditions. Stemming from the recommendations of the Commission on Social Determinants of Health, promising interventions to improve health equity are presented for the areas of: alcohol-related disorders, cardiovascular diseases, child health and nutrition, diabetes, food safety, maternal health, mental health, neglected tropical diseases, oral health, pregnancy outcomes, tobacco and health, tuberculosis, and violence and injuries. The book was commissioned by the Department of Ethics, Equity, Trade and Human Rights as part of the work undertaken by the Priority Public Health Conditions Knowledge Network of the Commission on Social Determinants of Health, in collaboration with 16 of the major public health programmes of WHO. In addition to this, through collaboration with the Special Programme of Research, Development and Research Training in Human Reproduction, the Special Programme for Research and Training in Tropical Diseases, and the Alliance for Health Policy and Systems Research, 13 case studies were commissioned to examine the implementation challenges in addressing social determinants of health in low-and middle-income settings.

BLOOD-BRAIN BARRIER IN DRUG DISCOVERY

OPTIMIZING BRAIN EXPOSURE OF CNS DRUGS AND MINIMIZING BRAIN SIDE EFFECTS FOR PERIPHERAL DRUGS

John Wiley & Sons Focused on central nervous system (CNS) drug discovery efforts, this book educates drug researchers about the blood-brain barrier (BBB) so they can affect important improvements in one of the most significant - and most challenging - areas of drug discovery. • Written by

world experts to provide practical solutions to increase brain penetration or minimize CNS side-effects • Reviews state-of-the-art in silico, in vitro, and in vivo tools to assess brain penetration and advanced CNS drug delivery strategies • Covers BBB physiology, medicinal chemistry design principles, free drug hypothesis for the BBB, and transport mechanisms including passive diffusion, uptake/efflux transporters, and receptor-mediated processes • Highlights the advances in modelling BBB pharmacokinetics and dynamics relationships (PK/PD) and physiologically-based pharmacokinetics (PBPK) • Discusses case studies of successful CNS and non-CNS drugs, lessons learned and paths to the market

THE DIABETES TEXTBOOK

CLINICAL PRINCIPLES, PATIENT MANAGEMENT AND PUBLIC HEALTH ISSUES

Springer Diabetes has become a worldwide health problem, the global estimated prevalence approaches ten percent and the burden of this disease in terms of morbidity and mortality is unprecedented. The advances acquired through the knowledge of the mechanisms of the disease and the variety of therapeutic approaches contrast with the inability of private and public health systems in underdeveloped and even developed countries to achieve the goals of treatment. This paradox has been described in many sources: the surge of scientific advances contrast with an unprecedented amount of human suffering. Thus, a patient centered and an evidence based approach with the capacity to produce measurable clinical and economic outcomes is required. The purpose of this textbook is multiple: to offer a comprehensive resource covering all aspects of outpatient management; to address diabetes as a health problem from an epidemiological, economic and clinical perspective; to discuss the role of social determinants of health on the worldwide increase in diabetes; to highlight the challenges and obstacles in providing adequate care; and to outline a multidisciplinary approach to management in which medical visits retain their importance as part of a team comprising the patient, his or her family and a multidisciplinary group of health professionals who are able to move beyond the traditional approach of diabetes as a disease and greatly improve outcomes.

ENCYCLOPEDIA REFERENCE OF PARASITOLOGY

BIOLOGY, STRUCTURE, FUNCTION

Springer Science & Business Media This second edition provides a comprehensive review of the facts and trends in veterinarian and human parasitology. Several internationally renowned specialists have been added to the authors of the first edition, and the whole is now organised in an encyclopedic arrangement of comprehensive keywords, thus speeding up the search for information.

PARASITOLOGY

MECHANISMS OF MIGRATION IN FISHES

Springer Science & Business Media The last major synthesis of our knowledge of fish migration and the underlying transport and guidance phenomena, both physical and biological, was "Fish Migration" published 16 years ago by F.R. Harden Jones (1968). That synthesis was based largely upon what could be gleaned by classical fishery-biology techniques, such as tagging and recapture studies, commercial fishing statistics, and netting and trapping studies. Despite the fact that Harden Jones also provided, with a good deal of thought and speculation, a theoretical basis for studying the various aspects of fish migration and migratory orientation, progress in this field has been, with a few exceptions, piecemeal and more disjointed than might have been expected. Thus we welcomed the approach from the NATO Marine Sciences Programme Panel and the encouragement from F.R. Harden Jones to develop a proposal for, and ultimately to organize, a NATO Advanced Research Institute (ARI) on mechanisms of fish migration. Substantial progress had been made with descriptive, analytical and predictive approaches to fish migration since the appearance of "Fish Migration." Both because of the progress and the often conflicting results of research, we felt that the time was again right and the effort justified to synthesize and to critically assess our knowledge. Our ultimate aim was to identify the gains and shortcomings and to develop testable hypotheses for the next decade or two.

ORGANIC AND BIOLOGICAL CHEMISTRY

Cengage Learning This text is comprised of Chapters 12-26 of Stoker's, **GENERAL, ORGANIC, AND BIOLOGICAL CHEMISTRY, 6e**. Like the longer book, **ORGANIC AND BIOLOGICAL CHEMISTRY, 6e** emphasizes the applications of chemistry, minimizes complicated mathematics, and is written throughout to help students succeed in the course and master the biochemistry content that is so important to their future careers. The Sixth Edition's clear explanations, visual support, and effective pedagogy combine to make the text ideal for allied health majors. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

CHILD AND ADOLESCENT DEVELOPMENT: AN INTEGRATED APPROACH

Cengage Learning Organized topically to realistically present the three overarching perspectives that guide today's researchers and practitioners of developmental psychology, David Bjorklund and Carlos Hernández Blasi's **CHILD AND ADOLESCENT DEVELOPMENT: AN INTEGRATED APPROACH** provides not only a truly ground-breaking integrated approach but also the most practical and up-to-date introduction to this vital subject. The authors emphasize applied issues and consistently show how the major

perspectives on human development must be integrated -rather than presented as contrasting and sometimes contradictory ways of looking at development -in order to meaningfully understand infants, children, and adolescents as well as how they develop. High-interest boxes including the Biopsychology of Childhood, Evolution in Action, and Socioculturally Speaking appear in rotation throughout the chapters to add both depth and dimension to the presentation of the text's comprehensive core content and featured perspectives. A rich set of pedagogical resources in the text itself and throughout its dynamic suite of online and print supplements helps to ensure that this text engages, enlightens, and challenges students in unique ways. Take a look and see why pre-publication reviewers and class-testers have been raving about the exciting teaching and learning possibilities this new text offers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

THE MINIPIG IN BIOMEDICAL RESEARCH

CRC Press **The Minipig in Biomedical Research** is a comprehensive resource for research scientists on the potential and use of the minipig in basic and applied biomedical research, and the development of drugs and chemicals. Written by acknowledged experts in the field, and drawing on the authors' global contacts and experience with regulatory authorities and the pharmaceutical and other industries, this accessible manual ranges widely over the biological, scientific, and practical uses of the minipig in the laboratory. Its coverage extends from the minipig's origins, anatomy, genetics, immunology, and physiology to its welfare, health, and husbandry; practical dosing and examination procedures; surgical techniques; and all areas of toxicity testing and the uses of the minipig as a disease model. Regulatory aspects of its use are considered. The reader will find an extensive amount of theoretical and practical information in the pharmacology; ADME and toxicology chapters which will help scientists and managers when deciding which species to use in basic research; drug discovery and pharmacology; and toxicology studies of chemicals, biotechnology products and devices. The book discusses regulatory uses of minipigs in the evaluation of human and veterinary pharmaceuticals, medical devices, and other classes of xenobiotics. It describes features of normal health, normal laboratory values, and common diseases. It also carefully elucidates ethical and legal considerations in their supply, housing, and transport. The result is an all-inclusive and up to date manual about the experimental uses of the minipig that describes 'How to' and 'Why' and 'What to expect in the normal', combining enthusiasm and experience with critical assessment of its values and potential problems.

MOLECULAR BIOLOGY AND BIOTECHNOLOGY OF PLANT ORGANELLES

CHLOROPLASTS AND MITOCHONDRIA

Springer Science & Business Media We have taught plant molecular biology and biotechnology at the undergraduate and graduate level for over 20 years. In the past few decades, the field of plant organelle molecular biology and biotechnology has made immense strides. From the green revolution to golden rice, plant organelles have revolutionized agriculture. Given the exponential growth in research, the problem of finding appropriate textbooks for courses in plant biotechnology and molecular biology has become a major challenge. After years of handing out photocopies of various journal articles and reviews scattered through out the print and electronic media, a serendipitous meeting occurred at the 2002 IATPC World Congress held in Orlando, Florida. After my talk and evaluating several posters presented by investigators from my laboratory, Dr. Jacco Flipsen, Publishing Manager of Kluwer Publishers asked me whether I would consider editing a book on Plant Organelles. I accepted this challenge, after months of deliberations, primarily because I was unsuccessful in finding a text book in this area for many years. I signed the contract with Kluwer in March 2003 with a promise to deliver a camera-ready textbook on July 1, 2004. Given the short deadline and the complexity of the task, I quickly realized this task would need a co-editor. Dr. Christine Chase was the first scientist who came to my mind because of her expertise in plant mitochondria, and she readily agreed to work with me on this book.

HANDBOOK OF FISH BIOLOGY AND FISHERIES

FISH BIOLOGY

John Wiley & Sons Recent decades have witnessed strong declines in fish stocks around the globe, amid growing concerns about the impact of fisheries on marine and freshwater biodiversity. Fisheries biologists and managers are therefore increasingly asking about aspects of ecology, behaviour, evolution and biodiversity that were traditionally studied by people working in very separate fields. This has highlighted the need to work more closely together, in order to help ensure future success both in management and conservation. The Handbook of Fish Biology and Fisheries has been written by an international team of scientists and practitioners, to provide an overview of the biology of freshwater and marine fish species together with the science that supports fisheries management and conservation. This volume, subtitled Fish Biology, reviews a broad variety of topics from evolutionary relationships and global biogeography to physiology, recruitment, life histories, genetics, foraging behaviour, reproductive behaviour and community ecology. The second volume, subtitled Fisheries, uses much of this information in a wide-ranging review of fisheries biology, including methods of capture, marketing, economics, stock assessment, forecasting, ecosystem impacts and conservation.

Together, these books present the state of the art in our understanding of fish biology and fisheries and will serve as valuable references for undergraduates and graduates looking for a comprehensive source on a wide variety of topics in fisheries science. They will also be useful to researchers who need up-to-date reviews of topics that impinge on their fields, and decision makers who need to appreciate the scientific background for management and conservation of aquatic ecosystems. To order volume I, go to the box in the top right hand corner. Alternatively to order volume II, go

to: <http://www.blackwellpublishing.com/book.asp?ref=063206482X> or

to order the 2 volume set, go

to: <http://www.blackwellpublishing.com/book.asp?ref=0632064838>.

Provides a unique overview of the study of fish biology and ecology, and the assessment and management of fish populations and ecosystems. The first volume concentrates on aspects of fish biology and ecology, both at the individual and population levels, whilst the second volume addresses the assessment and management of fish populations and ecosystems.

Written by an international team of expert scientists and practitioners. An invaluable reference tool for both students, researchers and practitioners working in the fields of fish biology and fisheries.

NETTER'S ILLUSTRATED PHARMACOLOGY

ICON Using the classic images of physician-artist Frank H. Netter, as well as other talented artists, this book offers a unique visual approach to learning the basic principles of pharmacology. Classified by specific organ systems, each chapter shows how drugs are used for specific disorders of that system. The authors also include clear, concise notes under each image, highlighting the important elements of each principle.

SACRED NATURAL SITES

CONSERVING NATURE AND CULTURE

Routledge Sacred Natural Sites are the world's oldest protected places. This book focuses on a wide spread of both iconic and lesser known examples such as sacred groves of the Western Ghats (India), Sagarmatha /Chomolungma (Mt Everest, Nepal, Tibet - and China), the Golden Mountains of Altai (Russia), Holy Island of Lindisfarne (UK) and the sacred lakes of the Niger Delta (Nigeria). The book illustrates that sacred natural sites, although often under threat, exist within and outside formally recognised protected areas, heritage sites. Sacred natural sites may well be some of the last strongholds for building resilient networks of connected landscapes. They also form important nodes for maintaining a dynamic socio-cultural fabric in the face of global change. The diverse authors bridge the gap between approaches to the conservation of cultural and biological diversity by taking into account cultural and spiritual values

together with the socio-economic interests of the custodian communities and other relevant stakeholders.

PHEROMONES AND ANIMAL BEHAVIOR

CHEMICAL SIGNALS AND SIGNATURES

Cambridge University Press Explains how animals use chemical communication, emphasizing the evolutionary context and covering fields from ecology to neuroscience and chemistry.

ONE HEALTH: THE HUMAN-ANIMAL-ENVIRONMENT INTERFACES IN EMERGING INFECTIOUS DISEASES

FOOD SAFETY AND SECURITY, AND INTERNATIONAL AND NATIONAL PLANS FOR IMPLEMENTATION OF ONE HEALTH ACTIVITIES

Springer Science & Business Media One Health is an emerging concept that aims to bring together human, animal, and environmental health. Achieving harmonized approaches for disease detection and prevention is difficult because traditional boundaries of medical and veterinary practice must be crossed. In the 19th and early 20th centuries this was not the case—then researchers like Louis Pasteur and Robert Koch and physicians like William Osler and Rudolph Virchow crossed the boundaries between animal and human health. More recently Calvin Schwabe revised the concept of One Medicine. This was critical for the advancement of the field of epidemiology, especially as applied to zoonotic diseases. The future of One Health is at a crossroads with a need to more clearly define its boundaries and demonstrate its benefits. Interestingly the greatest acceptance of One Health is seen in the developing world where it is having significant impacts on control of infectious diseases.

CANINE AND FELINE GASTROENTEROLOGY - E-BOOK

Elsevier Health Sciences A comprehensive reference standard for the discipline, *Canine and Feline Gastroenterology* covers the biology, pathobiology, and diagnosis and treatment of diseases of the gastrointestinal, pancreatic, and hepatobiliary systems. An international team of experts, including 85 authors from 17 different countries, led by Robert Washabau and Michael Day, covers everything from minor problems such as adverse food reactions to debilitating inflammatory, infectious, metabolic, and neoplastic diseases of the digestive system. This authoritative text utilizes an evidence-based approach to reflect the latest science and research, complemented by principles of problem solving, algorithms to improve clinical diagnoses, and extensive full-color illustrations. For generalists and specialists alike, this gastroenterology reference should be part of every serious practitioner's professional library. A comprehensive, 928-page reference standard covers the

discipline of canine and feline gastroenterology. An international focus is provided by 85 authors from 17 different countries, including renowned experts in veterinary gastroenterology, internal medicine, pathology, clinical pathology, radiology, and infectious disease. Coverage of the entire breadth and depth of gastroenterology ranges from biology to pathobiology, as well as diagnosis and treatment of diseases of the gastrointestinal, pancreatic, and hepatobiliary systems. Current information on GI microflora, immunology, cellular growth, and systems integration provides a foundation for treating clinical problems. Coverage of diseases in dogs and cats includes the oral cavity, esophagus, stomach, small intestine, large intestine, colon, anorectum, liver and biliary tract, exocrine pancreas, peritoneum, and associated vasculature. A focus on patient management examines the full range of procedures and techniques essential to diagnosis and treatment from clinical signs and diagnosis to nutritional support and pharmacologic management of disease. Clear explanations of current diagnostic modalities include laboratory tests, molecular methods, diagnostic imaging, endoscopy, and histopathology, also showing how to interpret and utilize results. A strong clinical approach emphasizes need-to-know information for managing the common and not-so-common G.I. clinical problems of everyday practice. Full-color photographs and illustrations depict concepts, conditions, and procedures. An evidence-based medicine perspective reflects the latest research as well as the modern practice of veterinary medicine. Logical, coherent, and consistent internal organization makes this a reader-friendly edition. Problem-based algorithms help in diagnosing every G.I. clinical problem from A to Z. A stand-alone section on the pharmacologic approach to G.I. disease offers quick and easy drug reference.

REFLECTIONS ON THE PANDEMIC IN THE FUTURE OF THE WORLD

ADAPTIVE MANAGEMENT OF FISHERIES IN RESPONSE TO CLIMATE CHANGE

FAO FISHERIES AND AQUACULTURE TECHNICAL PAPER NO. 667

Food & Agriculture Org. This report aims to accelerate climate change adaptation implementation in fisheries management throughout the world. It showcases how flexibility can be introduced in the fisheries management cycle in order to foster adaptation, strengthen the resilience of fisheries, reduce their vulnerability to climate change, and enable managers to respond in a timely manner to the projected changes in the dynamics of marine resources and ecosystems. The publication includes a set of good practices for climate-adaptive fisheries management that have proven their effectiveness and can be adapted to different contexts, providing a range of options for stakeholders including the fishing industry, fishery managers, policymakers and others involved in decision-making. These good practices were linked to one or more of the three common climate-

related impacts on fisheries resources: distributional change; productivity change; and species composition change. Therefore, these three impacts can serve as practical entry points to guide decision-makers in identifying good practice adaptation measures suitable for their local contexts. These good practices are based upon transferable experiences and lessons learned from the thirteen case studies across the globe and hopefully will contribute to greater uptake and implementation of climate-adaptive fisheries management measures on the ground.

ENCYCLOPEDIA OF PESTILENCE, PANDEMICS, AND PLAGUES

A uniquely interdisciplinary look at health, disease, treatment, and plagues throughout human history.

TODAY'S HEALTH INFORMATION MANAGEMENT: AN INTEGRATED APPROACH

Cengage Learning As technology, legislation, and industry practices continue to evolve rapidly, the health information management profession has become increasingly dynamic, complex, and essential. **TODAY'S HEALTH INFORMATION MANAGEMENT**, Second Edition, helps you prepare for success in this high-demand field by mastering both the fundamental principles and cutting-edge practices that define modern HIM. The Second Edition includes revised and updated content reflecting the latest trends, technology, and industry best practices, including new material on HIPAA, e-HIM, information systems, data quality, informatics, and current CAHIIM standards and RHIT/RHIA certification exam requirements. This trusted text includes everything you need to succeed in one of today's fastest-growing and most rewarding professions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

IMPROVING FOOD SAFETY THROUGH A ONE HEALTH APPROACH

WORKSHOP SUMMARY

National Academies Press Globalization of the food supply has created conditions favorable for the emergence, reemergence, and spread of food-borne pathogens-compounding the challenge of anticipating, detecting, and effectively responding to food-borne threats to health. In the United States, food-borne agents affect 1 out of 6 individuals and cause approximately 48 million illnesses, 128,000 hospitalizations, and 3,000 deaths each year. This figure likely represents just the tip of the iceberg, because it fails to account for the broad array of food-borne illnesses or for their wide-ranging repercussions for consumers, government, and the food industry-both domestically and internationally. A One Health approach to food safety may hold the promise of harnessing and integrating the expertise and resources from across the spectrum of multiple health

domains including the human and veterinary medical and plant pathology communities with those of the wildlife and aquatic health and ecology communities. The IOM's Forum on Microbial Threats hosted a public workshop on December 13 and 14, 2011 that examined issues critical to the protection of the nation's food supply. The workshop explored existing knowledge and unanswered questions on the nature and extent of food-borne threats to health. Participants discussed the globalization of the U.S. food supply and the burden of illness associated with foodborne threats to health; considered the spectrum of food-borne threats as well as illustrative case studies; reviewed existing research, policies, and practices to prevent and mitigate foodborne threats; and, identified opportunities to reduce future threats to the nation's food supply through the use of a "One Health" approach to food safety. *Improving Food Safety Through a One Health Approach: Workshop Summary* covers the events of the workshop and explains the recommendations for future related workshops.

INNOVATIONS IN THE ENTOMOLOGICAL SURVEILLANCE OF VECTOR-BORNE DISEASES

Cambridge Scholars Publishing Information on, and investigation of, the epidemiology and methods of vector-borne diseases is usually incorporated only sparsely into books about the epidemiology of infectious diseases. The most generally accessible sources are the WHO's annual malaria guidelines and annual World Malaria Reports. In contrast, the details and findings of research are found in specialist journals, and explain the minute details of a particular situation. This book is designed for people who need to investigate the sources of disease, and report their findings. Although it references hundreds of peer-reviewed studies, it presents the procedures that can be used by vector control and epidemiologists in straightforward language. It also makes mention of, and references, new and novel techniques that are currently being developed for investigations. The book begins with an explanation of what is required to conduct vector-borne disease epidemiology, and why the focus of prevention is the biting insects and arthropods. It also shows how the environment is the main unit of investigation in this regard, and explains techniques for developing a comprehensive and linked surveillance system and for detecting a disease prior to the infection of a human index case.

GEORGIS' PARASITOLOGY FOR VETERINARIANS

Elsevier Health Sciences Now in full color, this comprehensive reference provides current information on all parasites commonly encountered in veterinary medicine. This edition also covers organisms that infect poultry, laboratory animals, and exotic species.

THE BIOARCHAEOLOGY OF URBANIZATION

THE BIOLOGICAL, DEMOGRAPHIC, AND SOCIAL CONSEQUENCES OF LIVING IN CITIES

Springer Nature Urbanization has long been a focus of bioarchaeological research, but what is missing from the literature is an exploration of the geographic and temporal range of human biological, demographic, and sociocultural responses to this major shift in settlement pattern. Urbanization is characterized by increased population size and density, and is frequently assumed to produce negative biological effects. However, the relationship between urbanization and human “health” requires careful examination given the heterogeneity that exists within and between urban contexts. Studies of contemporary urbanization have found both positive and negative outcomes, which likely have parallels in past human societies. This volume is unique as there is no current bioarchaeological book addressing urbanization, despite various studies of urbanization having been conducted. Collectively, this volume provides a more holistic understanding of the relationships between urbanization and various aspects of human population health. The insight gained from this volume will provide not only a better understanding of urbanization in our past, but it will also have potential implications for those studying urbanization in contemporary communities.

FRESHWATER, FISH AND THE FUTURE

PROCEEDINGS OF THE GLOBAL CROSS-SECTORAL CONFERENCE

"This publication is a compilation of presentations and recommendations resulting from the Global Conference on Inland Fisheries: Freshwater, Fish and the Future, convened at FAO HQ in January 2015 and is part of an MOU signed with Michigan State University. Contents include scientific papers on inland fisheries from a global perspective that cover biological and socio-cultural assessments, drivers and governance issues. Ten steps to responsible inland fisheries are included along with recommendations for their implementation."--

GUIDE FOR THE CARE AND USE OF LABORATORY ANIMALS

EIGHTH EDITION

National Academies Press A respected resource for decades, the *Guide for the Care and Use of Laboratory Animals* has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad

Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.