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Cystogenesis Jong Hoon Park 2016-10-12 Autosomal Dominant Polycystic Kidney Disease (ADPKD) is a highly prevalent hereditary renal disorder in which fluid-filled cysts are appeared in both kidneys. Main causative genes of ADPKD are PKD1 and PKD2, encoding for polycystin-1 (PC1) and polycystin-2 (PC2) respectively. Those proteins are localized on primary cilia and function as mechanosensor in response to the fluid flow, translating mechanistic stimuli into calcium signaling. With mutations either of PKD1 or PKD2, hyper-activated renal tubular epithelial cell proliferation is observed, followed by disrupted calcium homeostasis and aberrant intracellular cyclic AMP (cAMP) accumulation. Increased cell proliferation with fluid secretion leads to the development of thousands of epithelial-lined, fluid-filled cysts in kidneys. It is also accompanied by interstitial inflammation, fibrosis, and finally reaching end-stage renal disease (ESRD). In human ADPKD, the age at which renal failure typically occurs is later in life, however no specific targeted medications are available to cure ADPKD. Recently, potential therapeutic targets or surrogate diagnostic biomarkers for ADPKD are proposed with the advances in the understanding of ADPKD pathogenesis, and some of them were attempted for clinical trials. Herein, we will summarize genetic and epi-genetic molecular mechanisms in ADPKD progression, and overview the currently available biomarkers or potential therapeutic reagents suggested.

The Reception of Darwinism in the Iberian World T.F Glick 2012-12-06 | Twenty-five years ago, at the Conference on the Comparative Reception of Darwinism held at the University of Texas in 1972, only two countries of the Iberian world-Spain and Mexico-were represented.' At the time, it

was apparent that the topic had attracted interest only as regarded the "mainstream" science countries of Western Europe, plus the United States. The Eurocentric bias of professional history of science was a fact. The sea change that subsequently occurred in the historiography of science makes 1972 appear something like the antediluvian era. Still, we would like to think that that meeting was prescient in looking beyond the mainstream science countries-as then perceived-in order to test the variation that ideas undergo as they pass from center to periphery. One thing that the comparative study of the reception of ideas makes abundantly clear, however, is the weakness of the center/periphery dichotomy from the perspective of the diffusion of scientific ideas. Catholics in mainstream countries, for example, did not handle evolution much better than did their coreligionaries on the fringes. Conversely, Darwinians in Latin America were frequently better placed to advance Darwin's ideas in a social and political sense than were their fellow evolutionists on the Continent. The Texas meeting was also a marker in the comparative reception of scientific ideas, Darwinism aside. Although, by 1972, scientific institutions had been studied comparatively, there was no antecedent for the comparative history of scientific ideas.

Book of Abstracts of the 70th Annual Meeting of the European Federation of Animal Science Scientific Committee
2019-08-26 This Book of Abstracts is the main publication of the 70th Annual Meeting of the European Federation of Animal Science (EAAP). It contains abstracts of the invited papers and contributed presentations of the sessions of EAAP's eleven Commissions: Animal Genetics, Animal Nutrition, Animal Management and Health, Animal Physiology, Cattle Production, Sheep and Goat Production,

Pig Production, Horse Production and Livestock Farming Systems, Insects and Precision Livestock Farming.

Code of Conduct for Responsible Fisheries Food and

Agriculture Organization of the United Nations 1995

The Coronado Expedition, 1540-1542 George Parker

Winship 1896

Merriam-Webster's Vocabulary Builder Mary W. Cornog 1998

The ideal book for people who want to increase their word power. Thorough coverage of 1,200 words and 240 roots while introducing 2,300 words. The Vocabulary Builder is organized by Greek and Latin roots for effective study with nearly 250 new words and roots. Includes quizzes after each root discussion to test progress. A great study aid for students preparing to take standardized tests.

The Political Economy of Democracy and Tyranny Norman Schofield 2009 One theme that has emerged from the recent literature on political economy concerns the transition to democracy: why would dominant elites give up oligarchic power? This book addresses the fundamental question of democratic stability and the collapse of tyranny by considering a formal model of democracy and tyranny. The formal model is used to study elections in developed polities such as the United States, the United Kingdom, the Netherlands, Canada, and Israel, as well as complex developing polities such as Turkey. The key idea is that activist groups may offer resources to political candidates if they in turn adjust their polities in favor of the interest group. In polities that use a "first past the post" electoral system, such as the US, the bargaining between interest groups and candidates creates a tendency for activist groups to coalesce; in polities such as Israel and the Netherlands, where the electoral system is very proportional, there may be little tendency for activist coalescence. A further feature of

the model is that candidates, or political leaders, like Barack Obama, with high intrinsic charisma, or valence, will be attracted to the electoral center, while less charismatic leaders will move to the electoral periphery. This aspect of the model is used to compare the position taking and exercise of power of authoritarian leaders in Portugal, Argentina and the Soviet Union. The final chapter of the book suggests that the chaos that may be induced by climate change and rapid population growth can only be addressed by concerted action directed by a charismatic leader of the Atlantic democracies.

Meditations for Women Jane Powell 2007-11 Tens of thousands of women have turned to Jane Powell's Meditations for Women Web site for guidance (www.meditationsforwomen.com). Now, a year's worth of Jane's best meditations in a purse-size book that you can carry with you wherever you go. In this book of wisdom, you'll feel empowered to live your life to your fullest potential. With each of the 366 daily meditations you will learn new ways of viewing familiar, everyday situations, and discover tools to transform those situations into opportunities and personal growth. * Improve self-esteem and confidence * Overcome fears holding you back * Break emotional bad habits * Enjoy loving relationships * Recognize your self-worth * Effortlessly set your boundaries * Let go of past hurts * Reach your most cherished goals * and much, much more!

Ecological Implications of Minilivestock M G Paoletti 2005-01-07 This book provides stimulating and timely suggestions about expanding the world food supply to include a variety of minilivestock. It suggests a wide variety of small animals as nutritious food. These animals include arthropods (insects, earthworms, snails, frogs), and various rodents. The major

advantage of minilivestock is that they do not have t
Implementing and Developing Cloud Computing Applications
David E. Y. Sarna 2010-11-17 From small start-ups to major corporations, companies of all sizes have embraced cloud computing for the scalability, reliability, and cost benefits it can provide. It has even been said that cloud computing may have a greater effect on our lives than the PC and dot-com revolutions combined. Filled with comparative charts and decision trees, Impleme

Carolinian-English Dictionary Frederick H. Jackson 2019-03-31 Carolinian is a member of the Trukic subgroup of the Micronesian group of Oceanic languages. This is the first English dictionary of the three Carolinian dialects spoken by descendants of voyagers who migrated from atolls in the Central Caroline Islands to Saipan in the Northern Mariana Islands. This dictionary provides English definitions for almost 7,000 Carolinian entries and an English-Carolinian finder list. A special effort was made to include culturally important words, particularly those related to sailing, fishing, cooking, house building, traditional religion, and family structure. With this work, the compilers also establish an acceptable standard writing system with which to record the Carolinian language.

Hormonally Active Agents in the Environment National Research Council 2000-01-03 Some investigators have hypothesized that estrogens and other hormonally active agents found in the environment might be involved in breast cancer increases and sperm count declines in humans as well as deformities and reproductive problems seen in wildlife. This book looks in detail at the science behind the ominous prospect of "estrogen mimics" threatening health and well-being, from the level of ecosystems and populations to individual people and animals. The committee identifies

research needs and offers specific recommendations to decisionmakers. This authoritative volume: Critically evaluates the literature on hormonally active agents in the environment and identifies known and suspected toxicologic mechanisms and effects of fish, wildlife, and humans. Examines whether and how exposure to hormonally active agents occurs--in diet, in pharmaceuticals, from industrial releases into the environment--and why the debate centers on estrogens. Identifies significant uncertainties, limitations of knowledge, and weaknesses in the scientific literature. The book presents a wealth of information and investigates a wide range of examples across the spectrum of life that might be related to these agents.

The Health Effects of Cannabis and Cannabinoids National Academies of Sciences, Engineering, and Medicine 2017-03-31 Significant changes have taken place in the policy landscape surrounding cannabis legalization, production, and use. During the past 20 years, 25 states and the District of Columbia have legalized cannabis and/or cannabidiol (a component of cannabis) for medical conditions or retail sales at the state level and 4 states have legalized both the medical and recreational use of cannabis. These landmark changes in policy have impacted cannabis use patterns and perceived levels of risk. However, despite this changing landscape, evidence regarding the short- and long-term health effects of cannabis use remains elusive. While a myriad of studies have examined cannabis use in all its various forms, often these research conclusions are not appropriately synthesized, translated for, or communicated to policy makers, health care providers, state health officials, or other stakeholders who have been charged with influencing and enacting policies, procedures, and laws related to cannabis use. Unlike other controlled substances such as

alcohol or tobacco, no accepted standards for safe use or appropriate dose are available to help guide individuals as they make choices regarding the issues of if, when, where, and how to use cannabis safely and, in regard to therapeutic uses, effectively. Shifting public sentiment, conflicting and impeded scientific research, and legislative battles have fueled the debate about what, if any, harms or benefits can be attributed to the use of cannabis or its derivatives, and this lack of aggregated knowledge has broad public health implications. The Health Effects of Cannabis and Cannabinoids provides a comprehensive review of scientific evidence related to the health effects and potential therapeutic benefits of cannabis. This report provides a research agenda—outlining gaps in current knowledge and opportunities for providing additional insight into these issues—that summarizes and prioritizes pressing research needs.

Insect Vectors and Plant Pathogens Nachhattar Singh Butter
2018-08-14 The history of pathogens and vectors, unique symptoms of diseases and economic importance of important viral diseases have been dealt with in the introductory chapter of this book. While highlighting the role of arthropods, nematodes, and fungi; other agents of the spread of plant pathogens have also been included. Important aspects of insect vectors with direct bearing on transmission, i.e. vector identification, biology, feeding apparatus, and mechanism of spread including control of pathogens through vectors are covered comprehensively. As aphids and other hemipterous insects are major insect vectors, the book stresses on this order. There is a focus on the transmission of determinants under different categories of the transmission mechanism. The transmission determinant paradigm comprising coat protein and helper component has been expounded with

recent cases. A brief description of new diseases at least one from each genus of plant viruses has been included in this compendium to elucidate the interaction of vector and virus. Phytoplasmal etiology of pathogens has been detailed separately on account of their importance. The transmission of plant viruses through insects with biting and chewing type of mouth parts has been discussed in detail as separate chapter. The latest research in the field of mites, nematodes, and fungi as vectors of plant viruses has been included. How the phytotoxemia is different from other crop disorders, has been critically explained with support from suitable and common examples of crop disorders. The book also highlights the effects of plant viruses on their vectors. An account of classification of plant viruses has also been given for better understanding of subject matter. Likewise, the information on the electron microscope along with its use has been included so as to define the procedure of examining sub-microscopic entities. The latest developments in the management of plant pathogens through vector management have been discussed with special reference to the use of biotechnology, crop protection, and plant resistance. The book will be of value to the teachers and to researchers. It will also be useful for extension workers in managing crop disorders. Students and researchers of entomology, plant pathology, plant protection and virology disciplines will obtain the latest in the field, through this book.

Brain Disorders in Critical Illness Robert D. Stevens 2013

Brain dysfunction is a major clinical problem in intensive care, with potentially debilitating long-term consequences for post-ICU patients of any age. The resulting extended length of stay in the ICU and post-discharge cognitive dysfunction are now recognized as major healthcare burdens. This comprehensive clinical text provides intensivists and

neurologists with a practical review of the pathophysiology of brain dysfunction and a thorough account of the diagnostic and therapeutic options available. Initial sections review the epidemiology, outcomes, relevant behavioral neurology and biological mechanisms of brain dysfunction. Subsequent sections evaluate the available diagnostic options and preventative and therapeutic interventions, with a final section on clinical encephalopathy syndromes encountered in the ICU. Each chapter is rich in illustrations, with an executive summary and a helpful glossary of terms. *Brain Disorders in Critical Illness* is a seminal reference for all physicians and neuroscientists interested in the care and outcome of severely ill patients.

The State of the World's Aquatic Genetic Resources for Food and Agriculture Food and Agriculture Organization of the United Nations 2019-07-24 The conservation, sustainable use and development of aquatic genetic resources (AqGR) is critical to the future supply of fish. *The State of the World's Aquatic Genetic Resources for Food and Agriculture* is the first ever global assessment of these resources, with the scope of this first Report being limited to cultured AqGR and their wild relatives, within national jurisdiction. The Report draws on 92 reports from FAO member countries and five specially commissioned thematic background studies. The reporting countries are responsible for 96 percent of global aquaculture production. The Report sets the context with a review of the state of world's aquaculture and fisheries and includes overviews of the uses and exchanges of AqGR, the drivers and trends impacting AqGR and the extent of ex situ and in situ conservation efforts. The Report also investigates the roles of stakeholders in AqGR and the levels of activity in research, education, training and extension, and reviews national policies and the levels of regional and international

cooperation on AqGR. Finally, needs and challenges are assessed in the context of the findings from the data collected from the countries. The Report represents a snapshot of the present status of AqGR and forms a valuable technical reference document, particularly where it presents standardized key terminology and concepts.

Review of the state of the world fishery resources: Inland fisheries Food and Agriculture Organization of the United Nations 2018-11-05 The FAO Fishery and Aquaculture Circular C942 Revision 3 (C942 Rev. 3) updates and expands the scope of previous revisions of the circular. C942 Rev. 3 is an important baseline document, intended to assist in the global understanding of inland fisheries and inform dialogue on their current and future role. The third revision reviews the status and trends of inland fisheries catch at global, continental and subcontinental levels. It places inland capture fisheries in the context of overall global fish production, and calls attention to the importance of inland capture fisheries with respect to food security and nutrition and the Sustainable Development Goals. It quantifies global inland fisheries resources in terms of food production, nutrition, employment, economic contribution with respect to those countries/regions or subnational areas where they are important. A characterization approach to distinguish large-scale and small-scale fishing operations and their relative contributions is provided. The review provides estimated economic values of inland fisheries, as well as a valuation of potential replacement cost of these (in terms of dollars, other resources such as land and water, feeds). There is also an analysis of the extent and economic value of recreational inland fisheries. The contribution to employment and the gender differences related to this are quantified. The linkages between inland fisheries and biodiversity are also explored.

C942 Rev. 3 discusses ways to measure and assess inland fisheries, in particular, how to establish more accurately inland fishery catches in the many situations where there are challenges to collection of catch statistics.

The State of World Fisheries and Aquaculture 2010 Food and Agriculture Organization of the United Nations 2010 Against a backdrop of global economic uncertainty, this issue of The State of World Fisheries and Aquaculture highlights the major role and challenges facing fisheries and aquaculture worldwide. With a steadily rising demand for fish and fish products, the supply of fish as human food hit a record high in 2008, underlining its significance in contributing to food security and nutrition as a source of high-quality, affordable animal protein in particular. International trade in fish also topped previous values, pointing to the sector's continued important contribution to economic expansion and human well-being. Aquaculture, despite a falling growth rate in recent years, remains the fastest-growing animal-food-producing sector and is set to overtake capture fisheries as a source of food fish. Overall production of the sector continues to grow. This publication analyses and reviews the latest available global statistics and trends in fisheries and aquaculture. It explores the important, yet often underestimated, role of inland fisheries, particularly in many small communities where they make a vital contribution to poverty alleviation and livelihood security. A broader look at the issues affecting fisheries and aquaculture emphasizes the growing need to focus on the many facets of policy and governance and examines the impacts of climate change, biodiversity loss, quality certification and product traceability on the sector. Also published in Arabic, Chinese, French, Russian and Spanish.

Handbook of Solid Phase Microextraction Janusz Pawliszyn

2011-11-29 The relatively new technique of solid phase microextraction (SPME) is an important tool to prepare samples both in the lab and on-site. SPME is a "green" technology because it eliminates organic solvents from analytical laboratory and can be used in environmental, food and fragrance, and forensic and drug analysis. This handbook offers a thorough background of the theory and practical implementation of SPME. SPME protocols are presented outlining each stage of the method and providing useful tips and potential pitfalls. In addition, devices and fiber coatings, automated SPME systems, SPME method development, and In Vivo applications are discussed. This handbook is essential for its discussion of the latest SPME developments as well as its in depth information on the history, theory, and practical application of the method.

Practical application of Solid Phase Microextraction methods including detailed steps Provides history of extraction methods to better understand the process Suitable for all levels, from beginning student to experienced practitioner

A Thesaurus of English Word Roots Horace Gerald Danner

2014-03-27 Horace G. Danner's A Thesaurus of English Word Roots is a compendium of the most-used word roots of the English language. As Timothy B. Noone notes in his foreword: "Dr. Danner's book allows you not only to build up your passive English vocabulary, resulting in word recognition knowledge, but also gives you the rudiments for developing your active English vocabulary, making it possible to infer the meaning of words with which you are not yet acquainted. Your knowledge can now expand and will do so exponentially as your awareness of the roots in English words and your corresponding ability to decode unfamiliar words grows apace. This is the beginning of a fine mental linguistic library: so enjoy!" In A Thesaurus of English Word Roots, all word

roots are listed alphabetically, along with the Greek or Latin words from which they derive, together with the roots' original meanings. If the current meaning of an individual root differs from the original meaning, that is listed in a separate column. In the examples column, the words which contain the root are then listed, starting with their prefixes, for example, dysacusia, hyperacusia. These root-starting terms then are followed by terms where the root falls behind the word, e.g., acouesthesia and acoumeter. These words are followed by words where the root falls in the middle or the end, as in such terms as bradyacusia and odynacusis.. In this manner, A Thesaurus of English Word Roots places the word in as many word families as there are elements in the word. This work will interest linguists and philologists and anyone interested in the etymological aspects of English language.

Astrocytes in (Patho)Physiology of the Nervous System
Vladimir Parpura 2008-12-11 Astrocytes were the original neuroglia that Ramón y Cajal visualized in 1913 using a gold sublimate stain. This stain targeted intermediate filaments that we now know consist mainly of glial fibrillary acidic protein, a protein used today as an astrocytic marker. Cajal described the morphological diversity of these cells with some ast- cytes surrounding neurons, while the others are intimately associated with vasculature. We start the book by discussing the heterogeneity of astrocytes using contemporary tools and by calling into question the assumption by classical neuroscience that neurons and glia are derived from distinct pools of progenitor cells. Astrocytes have long been neglected as active participants in intercellular communication and information processing in the central nervous system, in part due to their lack of electrical excitability. The follow up chapters review the “nuts and bolts” of ast- cytic physiology; astrocytes possess a diverse

assortment of ion channels, neurotransmitter receptors, and transport mechanisms that enable the astrocytes to respond to many of the same signals that act on neurons. Since astrocytes can detect chemical transmitters that are released from neurons and can release their own extracellular signals there is an increasing awareness that they play physiological roles in regulating neuronal activity and synaptic transmission. In addition to these physiological roles, it is becoming increasingly recognized that astrocytes play critical roles during pathophysiological states of the nervous system; these states include gliomas, Alzheimer disease, and epilepsy to mention a few.

Mycotoxin Reduction in Grain Chains John F. Leslie 2014-04-29 Cereal grain safety from farm to table Mycotoxin

Reduction in Grain Chains examines the ways in which food producers, inspectors, and processors can keep our food supply safe. Providing guidance on identification, eradication, and prevention at each stop on the "grain chain, this book is an invaluable resource for anyone who works with cereal grains. Discussions include breeding and crop management, chemical control, contamination prediction, and more for maize, wheat, sorghum, rice, and other major grains. Relevant and practical in the field, the lab, and on the production floor, this book features critical guidance for every point from farm to table.

Genetic Algorithms in Search, Optimization, and Machine Learning David Edward Goldberg 1989 A gentle introduction to genetic algorithms. Genetic algorithms revisited: mathematical foundations. Computer implementation of a genetic algorithm. Some applications of genetic algorithms. Advanced operators and techniques in genetic search. Introduction to genetics-based machine learning. Applications of genetics-based machine learning. A look back, a glance

ahead. A review of combinatorics and elementary probability. Pascal with random number generation for fortran, basic, and cobol programmers. A simple genetic algorithm (SGA) in pascal. A simple classifier system(SCS) in pascal. Partition coefficient transforms for problem-coding analysis.

Enological Repercussions of Non-Saccharomyces Species

2.0 Antonio Morata 2021-04-15 The use of non-Saccharomyces yeast species is currently a biotechnology trend in enology for which they are being broadly used to improve the sensory profile of wines because they affect aroma, color, and mouthfeel. They have become a powerful biotool to modulate the influence of global warming on grape varieties, helping to maintain the acidity, decrease the alcoholic degree, stabilize wine color, and increase freshness. In cool climates, some non-Saccharomyces can promote demalication or color stability by the formation of stable derived pigments. Additionally, non-Saccharomyces yeasts open new possibilities in biocontrol for removing spoilage yeast and bacteria or molds that can produce and release mycotoxins and, thereby, help in reducing applied SO₂ levels.

The Advocate 2004-08-17 The Advocate is a lesbian, gay, bisexual, transgender (LGBT) monthly newsmagazine. Established in 1967, it is the oldest continuing LGBT publication in the United States.

Minority staff report 2006

Sucking Pests of Crops Omkar 2020-10-12 Sucking pests are most notorious group of pests for agricultural crops. Unlike most pests with chewing mouth parts, sucking pests cause more severe damage to the crops and are complex to get identified until advanced stages of infection. Not only is this late detection detrimental to their effective control, sucking pests also often cause fungal growth and virus transmission.

The book emphasizes on sucking pests of most major crops of India. It aims to reflect Indian scenario before the international readership. This book compiles comprehensive information on sucking pests of crops and brings the attention of the readers to this multiple damage causing insect complex. The chapters are contributed by highly experienced Indigenous experts from Universities & ICAR institutes, and book collates useful content for students and young researchers in plant pathology, entomology and agriculture.

Male Reproductive Function Christina Wang 2007-05-28

Male Reproductive Function gives an up-to-date review on the physiology and disease processes associated with the male reproductive system. The first few chapters describe the regulation of the functions of the testis and the integration of its components: germ cells, Sertoli cells and Leydig cells. This is followed by a description of puberty and aging, and the disorders or dysfunction that may be associated with these physiological processes. Discussions on the current methods for the diagnosis and treatment of male hypogonadism, male infertility and male sexual dysfunction follow, with detailed descriptions of types of androgen replacement and the benefits and risks of such treatment. The book concludes with the development of male contraception and the possible influence of the environment on the male reproductive system. Male Reproductive Function represents a conglomeration of the efforts of experts in andrology from all over the world, both in basic cellular/molecular biology as well as in clinical science and practice. This book is suitable for endocrinologists, urologists, general internists, gynecologists and other students in the field of male reproduction.

Religion, Ritual and Ritualistic Objects Albertina (Tineke) Nugteren 2019-04-23 This is a volume about the life and

power of ritual objects in their religious ritual settings. In this Special Issue, we see a wide range of contributions on material culture and ritual practices across religions. By focusing on the dynamic interrelations between objects, ritual, and belief, it explores how religion happens through symbolic materiality. The ritual objects presented in this volume include: masks worn in the Dogon dance; antique ecclesiastical silver objects carried around in festive processions and shown in shrines in the southern Andes; funerary photographs and films functioning as mnemonic objects for grieving children; a dented rock surface perceived to be the god's footprint in the archaic place of pilgrimage, Gaya (India); a recovered manual of rituals (from Xiapu county) for Mani, the founder of Manichaeism, juxtaposed to a Manichaean painting from southern China; sacred stories and related sacred stones in the Alor–Pantar archipelago, Indonesia; lotus symbolism, indicating immortalizing plants in the mythic traditions of Egypt, the Levant, and Mesopotamia; lavishly illustrated variations of portrayals of Ravana, a Sinhalese god-king-demon; figurines made of cow dung sculptured by rural women in Rajasthan (India); and mythical artifacts called 'Apples of Eden' in a well-known interactive game series.

Stress Challenges and Immunity in Space Alexander Choukèr 2019-11-27 This book explains how stress – either psychological or physical – can activate and/or paralyse human innate or adaptive immunity. Adequate immunity is crucial for maintaining health, both on Earth and in space. During space flight, human physiology is specifically challenged by complex environmental stressors, which are most pronounced during lunar or interplanetary missions. Adopting an interdisciplinary approach, the book identifies the impact of these stressors – the space exposome – on

immunity as a result of (dys-)functions of specific cells, organs and organ networks. These conditions (e.g. gravitation changes, radiation, isolation/confinement) affect immunity, but at the same time provide insights that may help to prevent, diagnose and address immune-related health alterations. Written by experts from academia, space agencies and industry, the book is a valuable resource for professionals, researchers and students in the field of medicine, biology and technology. The chapters “The Impact of Everyday Stressors on the Immune System and Health”, “Stress and Radiation Responsiveness” and “Assessment of Radiosensitivity and Biomonitoring of Exposure to Space radiation” are available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Chemistry for a Clean and Healthy Planet Ponnadurai Ramasami 2019-09-03 These proceedings gather carefully selected, peer-reviewed contributions from the International Conference on Pure and Applied Chemistry (ICPAC 2018). The event, the latest installment in a biennial conference series, was held in July 2018 in Mauritius. The respective chapters in this unique collection reflect a wide range of fundamental and applied research in the chemical sciences and various interdisciplinary subjects. In addition to reviews, they highlight cutting-edge advances.

The State of World Fisheries and Aquaculture 2020 FAO 2020-06-01 The 2020 edition of The State of World Fisheries and Aquaculture has a particular focus on sustainability. This reflects a number of specific considerations. First, 2020 marks the twenty-fifth anniversary of the Code of Conduct for Responsible Fisheries (the Code). Second, several Sustainable Development Goal indicators mature in 2020. Third, FAO hosted the International Symposium on Fisheries

Sustainability in late 2019, and fourth, 2020 sees the finalization of specific FAO guidelines on sustainable aquaculture growth, and on social sustainability along value chains. While Part 1 retains the format of previous editions, the structure of the rest of the publication has been revised. Part 2 opens with a special section marking the twenty fifth anniversary of the Code. It also focuses on issues coming to the fore, in particular, those related to Sustainable Development Goal 14 and its indicators for which FAO is the “custodian” agency. In addition, Part 2 covers various aspects of fisheries and aquaculture sustainability. The topics discussed range widely, from data and information systems to ocean pollution, product legality, user rights and climate change adaptation. Part 3 now forms the final part of the publication, covering projections and emerging issues such as new technologies and aquaculture biosecurity. It concludes by outlining steps towards a new vision for capture fisheries. The State of World Fisheries and Aquaculture aims to provide objective, reliable and up-to-date information to a wide audience – policymakers, managers, scientists, stakeholders and indeed everyone interested in the fisheries and aquaculture sector.

Tobacco and Shamanism in South America Johannes Wilbert 1987-01-01 An ethnography of magic-religious, medicinal and recreational tobacco use among nearly 300 native South American societies. Wilbert found that South American Indians use tobacco in many ways and that a close functional relation exists between tobacco and shamanism.

Food Processing: Strategies for Quality Assessment Abdul Malik 2014-11-05 The aim of the food processing is to ensure microbiological and chemical safety of foods, adequate nutrient content and bioavailability and acceptability to the consumer with regard to sensory properties and ease of

preparation. Processing may have either beneficial or harmful effects on these properties, so each of these factors must be taken into account in the design and preparation of foods. This book offers a unique dealing with the subject and provides not only an update of state-of-the art techniques in many critical areas of food processing and quality assessment, but also the development of value added products from food waste, safety and nanotechnology in the food and agriculture industry and looks into the future by defining current obstacles and future research goals. This book is not intended to serve as an encyclopedic review of the subject. However, the various chapters incorporate both theoretical and practical aspects and may serve as baseline information for future research through which significant development is possible.

Environmental Medicine Institute of Medicine 1995-05-28

People are increasingly concerned about potential environmental health hazards and often ask their physicians questions such as: "Is the tap water safe to drink?" "Is it safe to live near power lines?" Unfortunately, physicians often lack the information and training related to environmental health risks needed to answer such questions. This book discusses six competency based learning objectives for all medical school students, discusses the relevance of environmental health to specific courses and clerkships, and demonstrates how to integrate environmental health into the curriculum through published case studies, some of which are included in one of the book's three appendices. Also included is a guide on where to obtain additional information for treatment, referral, and follow-up for diseases with possible environmental and/or occupational origins.

Food Safety Handbook Ronald H. Schmidt 2005-03-11 As with the beginning of the twentieth century, when food

safety standards and the therapeutic benefits of certain foods and supplements first caught the public's attention, the dawn of the twenty-first century finds a great social priority placed on the science of food safety. Ronald Schmidt and Gary Rodrick's *Food Safety Handbook* provides a single, comprehensive reference on all major food safety issues. This expansive volume covers current United States and international regulatory information, food safety in biotechnology, myriad food hazards, food safety surveillance, and risk prevention. Approaching food safety from retail, commercial, and institutional angles, this authoritative resource analyzes every step of the food production process, from processing and packaging to handling and distribution. The Handbook categorizes and defines real and perceived safety issues surrounding food, providing scientifically non-biased perspectives on issues for professional and general readers. Each part is divided into chapters, which are then organized into the following structure: Introduction and Definition of Issues; Background and Historical Significance; Scientific Basis and Implications; Regulatory, Industrial, and International Implications; and Current and Future Implications. Topics covered include: Risk assessment and epidemiology Biological, chemical, and physical hazards Control systems and intervention strategies for reducing risk or preventing food hazards, such as Hazard Analysis Critical Control Point (HACCP) Diet, health, and safety issues, with emphasis on food fortification, dietary supplements, and functional foods Worldwide food safety issues, including European Union perspectives on genetic modification Food and beverage processors, manufacturers, transporters, and government regulators will find the *Food Safety Handbook* to be the premier reference in its field. Sedentary Behaviour Epidemiology Michael F. Leitzmann

2017-12-21 This book addresses the origins, determinants and magnitude of the global problem of sedentary behaviour, along with concise yet in-depth solutions for tackling it. As a consequence of major technological advances in modern society, many people find themselves in environments characterized by prolonged sedentary behaviour. Although inadequate exercise has long been known to cause adverse health consequences, sedentary behaviour has recently emerged as a risk factor for the development of numerous chronic diseases and health conditions. Building on the contributions of leading experts in the field, this book presents current knowledge about sedentary behaviour, its medical and public health significance, its correlates and determinants, measurement techniques, and recommendations for addressing this behaviour at the individual, community, environmental, and policy level. Applying a cross-disciplinary methodology, the book avoids considering physical activity and sedentary behavior as a single continuum, which potentially hampers progress in confronting widespread levels of sedentariness. Rather, the book helps readers better understand how sedentary and physically active behavior co-occur and how the two behaviours have distinct contributing factors. Building on the contributions of distinguished international experts in the field, this thorough resource is a valuable asset and challenges professionals, researchers, students, and practitioners alike to adopt new strategies and expand their reach.

Re-evaluation of Some Organic Chemicals, Hydrazine and Hydrogen Peroxide IARC Working Group on the Evaluation of Carcinogenic Risks to Humans 1999

Nondepartmental witnesses United States. Congress. House. Committee on Appropriations. Subcommittee on Departments

of Labor, and Health, Education, and Welfare, and Related Agencies 1975

Latin Alive Joseph B. Solodow 2010-01-21 In Latin Alive, Joseph Solodow tells the story of how Latin developed into modern French, Spanish, and Italian, and deeply affected English as well. Offering a gripping narrative of language change, Solodow charts Latin's course from classical times to the modern era, with focus on the first millennium of the Common Era. Though the Romance languages evolved directly from Latin, Solodow shows how every important feature of Latin's evolution is also reflected in English. His story includes scores of intriguing etymologies, along with many concrete examples of texts, studies, scholars, anecdotes, and historical events; observations on language; and more. Written with crystalline clarity, this book tells the story of the Romance languages for the general reader and to illustrate so amply Latin's many-sided survival in English as well.