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Ubiquity Jacob W. Lewis 2021-12-15 From its invention to the internet age, photography has been considered universal, pervasive, and omnipresent. This anthology of essays posits how the question of when photography came to be everywhere shapes our understanding of all manner of photographic media. Whether looking at a portrait image on the polished silver surface of the daguerreotype, or a viral image on the reflective glass of the smartphone, the experience of looking at photographs and thinking with photography is inseparable from the idea of ubiquity—that is, the apparent ability to be everywhere at once. While photography’s distribution across cultures today is undeniable, the insidious logics and pervasive myths that have governed its spread demand our critical attention, now more than ever.

Imperatives and Commands Alexandra Y. Aikhenvald 2012-10-11 This book is the first exhaustive cross-linguistic study of imperatives and commands. It makes a significant and original contribution to the understanding of their morphological, syntactic, semantic, and pragmatic characteristics, and offers fresh insights on the patterns of human interaction and cognition associated with them.

Handbook of Practical Fine Needle Aspiration and Small Tissue Biopsies Fan Lin 2017-09-01 This handbook has been designed to provide a comprehensive and state-of-the art review and update of the major issues and challenges specific to fine needle aspiration (FNA) and small tissue core biopsies, which have emerged as primary modalities in establishing a definitive cancer diagnosis in the field of anatomic pathology, both in the U.S. and worldwide. Making an accurate diagnosis from a limited sample can be quite challenging yet crucial to patient care. The handbook, using the most current and evidence-based resources, will 1) emphasize a triple test (clinical, radiologic, and cytologic/histologic correlation); 2) stress the importance of cellblock preparation/small tissue core biopsy in modern cytopathology; 3) include over 100 diagnostic immunostaining panels/tables to address the utility and importance of ancillary studies; 4) incorporate relevant FISH and molecular tests into each chapter; and 5) summarize the pearls and pitfalls of FNA/small tissue biopsies at the

beginning of each chapter. The book also includes highly practical presentations of typical case scenarios seen in an anatomic pathology laboratory. These are in the form of case presentations with step-by-step expert analysis. Sample cases include common but challenging situations, such as work-up of a tumor of unknown origin, evaluation of well-differentiated malignant tumors vs. benign/reactive lesions, identification of newly described tumor entities, and implementation of best practice in immunohistochemistry and molecular testing in a difficult case. *Handbook of Practical Fine Needle Aspiration and Small Tissue Biopsies* is written by recognized experts in their fields and provides a unique and valuable resource in the field of cytopathology, both for those currently in training and for those already in clinical practice at various skill levels. It represents a new, comprehensive yet concise resource on these timely and critical topics.v>

Managing Treatment-Resistant Depression Joao Luciano de Quevedo 2022-03-31 *Managing Treatment-Resistant Depression: Road to Novel Therapeutics* defines TRD for readers, discussing the clinical and epidemiological predictors, economic burden and neurobiological factors. In addition, staging methods for treatment resistance are fully covered in this book, including serotonin specific reuptake inhibitors, serotonin norepinephrine reuptake inhibitors, other classes of antidepressants, including tricyclic antidepressants and monoamine oxidase inhibitors, augmentation strategies, and newer antidepressant treatments like ketamine and esketamine. In addition, evidence supporting the use of psychotherapies and neuromodulation strategies are also reviewed. Written by top experts in the field, this book is the first of its kind to review all methods of treatment for TRD. Defines Treatment-Resistant Depression and Staging Treatment Intensity Includes Treatment-Resistant Depression options for children, adolescents, geriatrics, during pregnancy, and during post-partum and menopause transitions Discusses the use of Ketamine and Esketamine for treatment-resistant depression

Plant-Fire Interactions Víctor Resco de Dios 2020-03-17 This book provides a unique exploration of the inter-relationships between the science of plant environmental responses and the understanding and management of forest fires. It bridges the gap between plant ecologists, interested in the functional and evolutionary consequences of fire in ecosystems, with foresters and fire managers, interested in effectively reducing fire hazard and damage. This innovation in this study lies in its focus on the physiological responses of plants that are of relevance for predicting forest fire risk, behaviour and management. It covers the evolutionary trade-offs in the resistance of plants to fire and drought, and its implications for predicting fuel moisture and fire risk; the importance of floristics and plant traits, in interaction with landform and atmospheric conditions, to successfully predict fire behaviour, and provides recommendations for pre- and post- fire management, in relation with the functional composition of the community. The book will be particularly focused on examples from Mediterranean environments, but the underlying principles will be of broader utility.

The Threat of Pandemic Influenza Institute of Medicine 2005-04-09 Public health officials and organizations around the world remain on high alert because of increasing concerns about the prospect of an influenza pandemic, which many experts believe to be inevitable. Moreover, recent problems with the availability and strain-specificity of vaccine for annual flu epidemics in some countries and the rise of pandemic strains of avian flu in disparate geographic regions have alarmed experts about the world's ability to prevent or contain a

human pandemic. The workshop summary, *The Threat of Pandemic Influenza: Are We Ready?* addresses these urgent concerns. The report describes what steps the United States and other countries have taken thus far to prepare for the next outbreak of "killer flu." It also looks at gaps in readiness, including hospitals' inability to absorb a surge of patients and many nations' incapacity to monitor and detect flu outbreaks. The report points to the need for international agreements to share flu vaccine and antiviral stockpiles to ensure that the 88 percent of nations that cannot manufacture or stockpile these products have access to them. It chronicles the toll of the H5N1 strain of avian flu currently circulating among poultry in many parts of Asia, which now accounts for the culling of millions of birds and the death of at least 50 persons. And it compares the costs of preparations with the costs of illness and death that could arise during an outbreak.

Emerging Zoonoses I. W. Fong 2017-02-06 The book begins with a review of zoonotic pandemics of the past: the "Black Death" or bubonic plague of the Middle Ages, the Spanish Influenza pandemic (derived from avian influenza) of the early 20th century, to the more modern pandemic of AIDS/HIV infection, which originated in Africa from primates. However, the majority of chapters focus on more recent zoonoses, which have been recognized since the late 20th century to the present: · SARS and MERS coronaviruses · New avian influenza viruses · The tick-borne Henan fever virus from China · The tick-borne Heartland virus from the United States · Recently recognized bacterial pathogens, such as *Streptococcus suis* from pigs. In addition, reemergence of established zoonoses that have expanded their niche are reviewed, such as the spread of Zika virus and Chikungunya virus to the Western Hemisphere, and the emergence and spread of Ebola virus infection in Africa. A chapter is also devoted to an overview of the mechanisms and various types of animals involved in the transmission of diseases to humans, and the potential means of control and prevention. Many endemic and sporadic diseases are still transmitted by animals, through either direct or indirect contact, and zoonoses are estimated to account for about 75% of all new and emerging infectious diseases. It is predicted by public health experts that the next major pandemic of infectious disease will be of animal origin, making *Emerging Zoonoses: A Worldwide Perspective* a crucial resource to all health care specialists by providing them with much needed information on these zoonotic diseases.[iv](#)>

A Cultural History of Tarot Helen Farley 2019-08-22 The enigmatic and richly illustrative tarot deck reveals a host of strange and iconic mages, such as The Tower, The Wheel of Fortune, The Hanged Man and The Fool: over which loom the terrifying figures of Death and The Devil. The 21 numbered playing cards of tarot have always exerted strong fascination, way beyond their original purpose, and the multiple resonances of the deck are ubiquitous. From T S Eliot and his 'wicked pack of cards' in "The Waste Land" to the psychic divination of Solitaire in Ian Fleming's "Live and Let Die"; and from the satanic novels of Dennis Wheatley to the deck's adoption by New Age practitioners, the cards have in modern times become inseparably connected to the occult. They are now viewed as arguably the foremost medium of prophesying and foretelling. Yet, as the author shows, originally the tarot were used as recreational playing cards by the Italian nobility in the Renaissance. It was only much later, in the 18th and 19th centuries, that the deck became associated with esotericism before evolving finally into a diagnostic tool for mind, body and spirit. This is the first book to explore the remarkably varied ways in which tarot has influenced culture. Tracing the changing patterns of the deck's use, from game to mysterious oracular device, Helen Farley examines tarot's emergence in 15th

century Milan and discusses its later associations with astrology, kabbalah and the Age of Aquarius.

Understanding Education for the Visually Impaired Ronél Ferreira 2020-12-31 The contribution that this book makes to scholarship is regarded as ground-breaking, as it is based on recent research conducted with teachers on the ground-level, as well as on research and experiences of practitioners, gained over many years. In this volume, Understanding education for the visually impaired, the focus falls on understanding visual impairment within the South African context, more specifically on what the education of these learners entails. In addition to the contribution to existing literature in the fields of inclusive education and visual impairment, the publication has practical application value for teachers and practitioners who work with and support such learners.

The Greater Awyu Languages of West Papua Lourens de Vries 2020-08-24 This book is a comprehensive and authoritative description of the Greater Awyu family of Papuan languages. The book brings together many decades of research on Greater Awyu languages, including 10 years of field work by the author. The book presents a description of major patterns found in languages of the family: phonology, morphology, syntax and discourse. In addition, major aspects of the anthropological linguistics of Greater Awyu languages are described: counting systems, language names, kinship, linguistic ideologies, lexical substitution registers, avoidance and taboo. The linguistic patterns of Greater Awyu languages are systematically placed in the genetic, typological, areal and historical contexts of New Guinea. The long dialect continuums within the family, by reflecting different diachronic stages, offer a window on the origin of switch reference, clause chaining, topic markers, postpositions and double-headed relative clauses. The book is relevant for readers interested in the typological, historical and cultural linguistics of New Guinea but also for anthropologists and historians because the history and cultural practices of Greater Awyu speakers are a key part of the story of this language family.

Comparative Judicial Review Erin F. Delaney 2018-09-28 Constitutional courts around the world play an increasingly central role in day-to-day democratic governance. Yet scholars have only recently begun to develop the interdisciplinary analysis needed to understand this shift in the relationship of constitutional law to politics. This edited volume brings together the leading scholars of constitutional law and politics to provide a comprehensive overview of judicial review, covering theories of its creation, mechanisms of its constraint, and its comparative applications, including theories of interpretation and doctrinal developments. This book serves as a single point of entry for legal scholars and practitioners interested in understanding the field of comparative judicial review in its broader political and social context.

Yogurt in Health and Disease Prevention Nagendra P. Shah 2017-05-26 Yogurt in Health and Disease Prevention examines the mechanisms by which yogurt, an important source of micro- and macronutrients, impacts human nutrition, overall health, and disease. Topics covered include yogurt consumption's impact on overall diet quality, allergic disorders, gastrointestinal tract health, bone health, metabolic syndrome, diabetes, obesity, weight control, metabolism, age-related disorders, and cardiovascular health. Modifications to yogurt are also covered in scientific detail, including altering the protein to carbohydrate ratios, adding n-3 fatty acids, phytochemical enhancements, adding whole grains, and supplementing with various micronutrients.

Prebiotic, probiotic, and synbiotic yogurt component are also covered to give the reader a comprehensive understanding of the various impacts yogurt and related products can have on human health. Health coverage encompasses nutrition, gastroenterology, endocrinology, immunology, and cardiology Examines novel and unusual yogurts as well as popular and common varieties Covers effects on diet, obesity, and weight control Outlines common additives to yogurts and their respective effects Reviews prebiotics, probiotics, and symbiotic yogurts Includes practical information on how yogurt may be modified to improve its nutritive value

Earth's Climate Response to a Changing Sun Jean Lilensten 2015-11-23 For centuries, scientists have been fascinated by the role of the Sun in the Earth's climate system. Recent discoveries, outlined in this book, have gradually unveiled a complex picture, in which our variable Sun affects the climate variability via a number of subtle pathways, the implications of which are only now becoming clear. This handbook provides the scientifically curious, from undergraduate students to policy makers with a complete and accessible panorama of our present understanding of the Sun-climate connection. 61 experts from different communities have contributed to it, which reflects the highly multidisciplinary nature of this topic. The handbook is organised as a mosaic of short chapters, each of which addresses a specific aspect, and can be read independently. The reader will learn about the assumptions, the data, the models, and the unknowns behind each mechanism by which solar variability may impact climate variability. None of these mechanisms can adequately explain global warming observed since the 1950s. However, several of them do impact climate variability, in particular on a regional level. This handbook aims at addressing these issues in a factual way, and thereby challenge the reader to sharpen his/her critical thinking in a debate that is frequently distorted by unfounded claims.

Molecular Aspects of Hepatocellular Carcinoma Liang Qiao 2012 Therapeutic options for late-stage liver cancer are very limited and the prognosis is often poor. A better understanding of the molecular mechanisms involved in the initiation, progression, and metastasis of hepatocellular carcinoma is critical for developing more rational diagnostic and therapeutic approaches. This e-book covers current developments on clinically relevant research on the molecular biology of hepatocellular carcinoma. This e-book should be a valuable reference for professional gastroenterologists, hepatologists and oncologists as well as medical students and researchers.

Essentials of Paleomagnetism Lisa Tauxe 2010-03-19 "This book by Lisa Tauxe and others is a marvelous tool for education and research in Paleomagnetism. Many students in the U.S. and around the world will welcome this publication, which was previously only available via the Internet. Professor Tauxe has performed a service for teaching and research that is utterly unique."—Neil D. Opdyke, University of Florida

Theoretical and Practical Advances in Computer-based Educational Measurement Bernard P. Veldkamp 2019-07-05 This open access book presents a large number of innovations in the world of operational testing. It brings together different but related areas and provides insight in their possibilities, their advantages and drawbacks. The book not only addresses improvements in the quality of educational measurement, innovations in (inter)national large scale assessments, but also several advances in psychometrics and improvements in computerized adaptive testing, and it also offers examples on the impact of new technology in assessment. Due to its nature, the book will appeal to a broad audience within the educational measurement community. It

contributes to both theoretical knowledge and also pays attention to practical implementation of innovations in testing technology.

Biodiversity and Biomedicine Munir Ozturk 2020-07-15 Biodiversity and Biomedicine: Our Future provides a new outlook on Earth's animal, plant, and fungi species as vital sources for human health treatments. While there are over 10 million various species on the planet, only 2 million have been discovered and named. This book identifies modern ways to incorporate Earth's species into biomedical practices and emphasizes the need for biodiversity conservation. Written by leading biodiversity and biomedical experts, the book begins with new insights on the benefits of biologically active compounds found in fungi and plants, including a chapter on the use of wild fruits as a treatment option. The book goes on to discuss the roles of animals, such as amphibians and reptiles, and how the threatened presence of these species must be reversed to conserve biodiversity. It also discusses marine organisms, including plants, animals, and microbes, as essential in contributing to human health. Biodiversity and Biomedicine: Our Future is a vital source for researchers and practitioners specializing in biodiversity and conservation studies. Students in natural medicine and biological conservation will also find this useful to learn of the world's most bio-rich communities and the molecular diversity of various species. Presents new developments in documenting and identifying species for biodiversity conservation and ethical considerations for biodiversity research Examines biodiversity as an irreplaceable resource for biomedical breakthroughs using available species for medical research Discusses challenges and opportunities for biodiversity protection and research in biosphere reserves

Impacts of Invasive Species on Coastal Environments Christopher Makowski 2018-07-24 This book focuses on the global threats to coastal environments from invasive, non-native species and examines how these alien biological species adversely alter landscapes and socioeconomic conditions as well as the psychological attitudes and perceptions of local inhabitants and tourists. Designed for the professional or specialist in marine science, coastal zone management, biology, and related disciplines, this volume appeals to those not only working directly with invasive flora and fauna species, but also those individuals involved in a wide array of coastal related fields. Examples and case studies of coastal invasive species are drawn from many different geographic areas worldwide, including North and South America, Europe, Oceania, the Caribbean, Southeast Asia, and Africa.

Rethinking Gamification Mathias Fuchs 2014 Gamification marks a major change to everyday life. It describes the permeation of economic, political, and social contexts by game-elements such as awards, rule structures, and interfaces that are inspired by video games. Sometimes the term is reduced to the implementation of points, badges, and leaderboards as incentives and motivations to be productive. Sometimes it is envisioned as a universal remedy to deeply transform society toward more humane and playful ends. Despite its use by corporations to manage brand communities and personnel, however, gamification is more than just a marketing buzzword. States are beginning to use it as a new tool for governing populations more effectively. It promises to fix what is wrong with reality by making every single one of us fitter, happier, and healthier. Indeed, it seems like all of society is up for being transformed into one massive game. The contributions in this book offer a candid assessment of the gamification hype. They trace back the historical roots of the phenomenon and

explore novel design practices and methods. They critically discuss its social implications and even present artistic tactics for resistance. It is time to rethink gamification!

Cannabinoids in Neurologic and Mental Disease Liana Fattore 2015-01-23 The application of cannabis sativa for the treatment of neurologic and mental disease is expanding. *Cannabinoids in Neurologic and Mental Disease* collects and presents for the first time recent research involving the use of pharmacological cannabinoids for the treatment of neurodegenerative and neuroinflammatory disease. The neurologic application of cannabinoid therapy builds upon psychiatric and psychological use for the treatment of a variety of core mental disorders. This comprehensive reference on the known uses of cannabinoids will be useful for clinical neurologists, neuroscience and clinical neuroscience researchers, clinical psychologists and psychiatrists and the general medical community. A comprehensive reference on the clinical uses of cannabinoids for treating major neurologic and mental diseases Detailed coverage of cannabinoid use for neuroinflammatory and neurodegenerative disease including Multiple Sclerosis, Epilepsy, Huntington's disease, Parkinson's disease, and Alzheimer's disease Detailed coverage of cannabinoid use for major psychiatric and psychological diseases and disorders including schizophrenia, bipolar disorders, Tourette's syndrome, and post-traumatic stress disorder (PTSD)

Applications of Non-Pollen Palynomorphs F. Marret 2021-10-29 This long-awaited book about non-pollen palynomorphs (NPPs) aims to cover gaps in our knowledge of these abundant but understudied palynological remains. NPPs, such as fungal spores, testate amoebae, dinoflagellate cysts, acritarchs and animal remains, are routinely recovered from palynological preparations of marine or terrestrial material, from Proterozoic to recent geological times. This book gives the reader a comprehensive overview of the different types of NPPs, with examples from diverse time periods and environments. It provides guidance on sample preparation to maximize the recovery of these NPPs, detailed information on their diversity and ecological affinity, clarification on the nomenclature and demonstrates their value as environmental indicators. This volume will become the reference guide for any student, academic or practitioner interested in everything else in their palynological preparations.

Cognition and Interaction: From Computers to Smart Objects and Autonomous Agents Amon Rapp 2019-10-10 Cognitive sciences have been involved under numerous accounts to explain how humans interact with technology, as well as to design technological instruments tailored to human needs. As technological advancements in fields like wearable and ubiquitous computing, virtual reality, robotics and artificial intelligence are presenting novel modalities for interacting with technology, there are opportunities for deepening, exploring, and even rethinking the theoretical foundations of human technology use. This volume entitled “Cognition and Interaction: From Computers to Smart Objects and Autonomous Agents” is a collection of articles on the impacts that novel 3 September *Frontiers in Psychology* 2019 | Cognition and Interaction interactive technologies are producing on individuals. It puts together 17 works, spanning from research on social cognition in human-robot interaction to studies on neural changes triggered by Internet use, that tackle relevant technological and theoretical issues in human-computer interaction, encouraging us to rethink how we conceptualize technology, its use and development. The volume addresses fundamental issues at different

levels. The first part revolves around the biological impacts that technologies are producing on our bodies and brains. The second part focuses on the psychological level, exploring how our psychological characteristics may affect the way we use, understand and perceive technology, as well as how technology is changing our cognition. The third part addresses relevant theoretical problems, presenting reflections that aim to reframe how we conceptualize ourselves, technology and interaction itself. Finally, the last part of the volume pays attention to the factors involved in the design of technological artifacts, providing suggestions on how we can develop novel technologies closer to human needs. Overall, it appears that human-computer interaction will have to face a variety of challenges to account for the rapid changes we are witnessing in the current technology landscape.

Creativity, Design Thinking and Interdisciplinarity Frédéric Darbellay 2017-12-18 This book, at the crossroads of creativity, design and interdisciplinary studies, offers an overview of these major trends in scientific research, society, culture and economics. It brings together different approaches and communities around a common reflection on interdisciplinary creative design thinking. This collective effort provides a unique dialogical and convergent space that deals with the challenges and opportunities met by researchers and practitioners working on design thinking, creativity and inter- and transdisciplinarity, or at the interface between these areas.

Resonances Esther M. Morgan-Ellis 2020-06-02 *Resonances: Engaging Music in Its Cultural Context* offers a fresh curriculum for the college-level music appreciation course. The musical examples are drawn from classical, popular, and folk traditions from around the globe. These examples are organized into thematic chapters, each of which explores a particular way in which human beings use music. Topics include storytelling, political expression, spirituality, dance, domestic entertainment, and more. The chapters and examples can be taught in any order, making *Resonances* a flexible resource that can be adapted to your teaching or learning needs. This textbook is accompanied by a complete set of PowerPoint slides, a test bank, and learning objectives.

Political Secularism, Religion, and the State Jonathan Fox 2015-04-16 This book examines 111 types of state religion policy in 177 countries between 1990 and 2008. Jonathan Fox argues that policy is largely a result of the competition between political secular actors and religious actors, both of which try to influence state religion policy. While there are other factors that influence state religion policy and both the secular and religious camps are divided, Fox offers that the secular-religious competition perspective provides critical insight into the nature of religious politics across the globe. While many states have both increased and decreased their involvement in religion, Fox demonstrates that states which have become more involved in religion are far more common.

The Language of Hunter-Gatherers Tom Güldemann 2020-01-31 Offers a linguistic window into contemporary hunter-gatherer societies, looking at how they survive and interface with agricultural and industrial societies.

Empowerment Series: An Introduction to the Profession of Social Work Elizabeth A. Segal 2015-01-01 The

fifth edition of Segal, Gerdes, and Steiner's *AN INTRODUCTION TO THE PROFESSION OF SOCIAL WORK* provides a balanced introduction to the social work profession and helps students to understand the role that the profession plays in the social welfare system. The authors' supportive tone and experiential approach inspires interest in and enthusiasm toward future careers in social work. Case studies, personal stories, and exercises help students apply the concepts and truly understand what it means to be a social worker. The book is designed to encourage both knowledge building and self-exploration-skills that are essential in developing good social work practice. Part of the Brooks/Cole Empowerment Series, the fifth edition is completely up to date and thoroughly integrates the core competencies and recommended practice behaviors outlined in the most recent Educational Policy and Accreditation Standards (EPAS) set by the Council on Social Work Education (CSWE). Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Biostimulants: Exploring Sources and Applications Naleeni Ramawat 2022-05-24 This edited book is a comprehensive compilation highlighting sources of biostimulants, their production, influence on plant growth and development, and regulatory status of plant biostimulants for better understanding and opening new vistas for future research. Biostimulants, the biological formulations are known to meliorate the plants growth and vigour, improve nutritional efficiency along with maintaining their well-being mainly via providing protection against a wide range of infections. Both horticultural as well as agricultural crops involve the utilization of the biostimulants. Fulvic and humic acids, nitrogen-containing compounds, protein hydrolysates, favourable bacteria and fungi, and extracts of seaweed are the chief active components of these. The major driving force for these materials is the organic farming industry and demand for sustainable crop production. This book will be of great interest to researchers, teachers, climate change scientists, capacity builders, and policy makers. Moreover, this book does the work of a supplementary reading for students in various fields such as agriculture, soil science, ecology, environmental science and forestry at undergraduate as well as graduate level. This will be a gainful read for national and international agricultural scientists and the policy makers. • Elaborates on biostimulants induced influence of plant growth and development • Covers all aspects of biostimulants sources and its role in plant life in detail • Discusses evidence based approach in biostimulants sources and its useful applications in plants

Flu Gina Kolata 2011-04-01 The fascinating, true story of the world's deadliest disease. In 1918, the Great Flu Epidemic felled the young and healthy virtually overnight. An estimated forty million people died as the epidemic raged. Children were left orphaned and families were devastated. As many American soldiers were killed by the 1918 flu as were killed in battle during World War I. And no area of the globe was safe. Eskimos living in remote outposts in the frozen tundra were sickened and killed by the flu in such numbers that entire villages were wiped out. Scientists have recently rediscovered shards of the flu virus frozen in Alaska and preserved in scraps of tissue in a government warehouse. Gina Kolata, an acclaimed reporter for The New York Times, unravels the mystery of this lethal virus with the high drama of a great adventure story. Delving into the history of the flu and previous epidemics, detailing the science and the latest understanding of this mortal disease, Kolata addresses the prospects for a great epidemic recurring, and, most important, what can be done to prevent it.

Biostratigraphic and Geological Significance of Planktonic Foraminifera Marcelle K. BouDagher-Fadel

2015-10-02 The role of fossil planktonic foraminifera as markers for biostratigraphical zonation and correlation underpins most drilling of marine sedimentary sequences and is key to hydrocarbon exploration. The first - and only - book to synthesise the whole biostratigraphic and geological usefulness of planktonic foraminifera, *Biostratigraphic and Geological Significance of Planktonic Foraminifera* unifies existing biostratigraphic schemes and provides an improved correlation reflecting regional biogeographies. Renowned micropaleontologist Marcelle K. Boudagher-Fadel presents a comprehensive analysis of existing data on fossil planktonic foraminifera genera and their phylogenetic evolution in time and space. This important text, now in its Second Edition, is in considerable demand and is now being republished by UCL Press.

Learning Disabilities Sandro Misciagna 2020-06-17 Learning disabilities are a heterogeneous group of disorders characterized by failure to acquire, retrieve, or use information competently. They are the most severe and chronic form of learning difficulty in children. They can be present at birth or acquired as a result of illness, exposure to toxins, poor nutrition, medical treatment, sociocultural deprivation, or injury. Learning problems typically consist in failure to acquire reading, writing, or math skills, which are traditionally considered core domains. This book explores the epidemiology, neurobiological bases, and diagnostic tools necessary for a comprehensive assessment of children with learning disabilities. It also presents examples of children with specific learning disabilities and explains possible intervention strategies.

Complementary & Alternative Therapies in Nursing Ruth Lindquist 2013-11-05 Print+CourseSmart

Clean Electricity from Photovoltaics Mary D Archer 2001-06-04 Photovoltaic cells provide clean, reversible electrical power from the sun. Made from semiconductors, they are durable, silent in operation and free of polluting emissions. In this book, experts from all sectors of the PV community — materials scientists, physicists, production engineers, economists and environmentalists — give their critical appraisals of where the technology is now and what its prospects are. Contents: The Past and Present (M D Archer) Device Physics of Silicon Solar Cells (J O Schumacher & W Wettling) Principles of Cell Design (J Poortmans et al.) Crystalline Silicon Solar Cells (M A Green) Amorphous Silicon Solar Cells (C R Wronski & D E Carlson) Cadmium Telluride Solar Cells (D Bonnet) Cu(In,Ga)Se₂ Solar Cells (U Rau & H W Schock) Super-High Efficiency III-V Tandem and Multijunction Cells (M Yamaguchi) Organic Photovoltaic Devices (J J M Halls & R H Friend) Quantum Well Solar Cells (J Nelson) Thermophotovoltaic Generation of Electricity (T J Coutts) Concentrator Cells and Systems (A Luque) Cells and Systems for Space Applications (C M Hardingham) Storage of Electrical Energy (R M Dell) Photovoltaic Modules, Systems and Applications (N M Pearsall & R Hill) The Photovoltaic Business: Manufacturers and Markets (B McNelis) The Economics of Photovoltaic Technologies (D Anderson) The Outlook for PV in the 21st Century (E H Lysen & B Yordi) Readership: Physicists, chemists and engineers. Keywords: Electricity; Photovoltaics; Cadmium; Solar Cells Reviews: "... is an excellent resource for its intended readership of students, scientists and technologists working in the area ... it is well indexed, and includes a handy list of useful web and library references. At the very least, the book deserves a place in the library of every research institution and company working on renewable energy." Nature "With a broad range of coverage, many references in each chapter, and an appendix listing useful quantities, factors and symbols, this

book would be an excellent reference source for any one working in the field of photovoltaics.”IEEE Electrical Insulation Magazine “It is timely, up-to-date and a very comprehensive work. The chapters are written by leading experts in their field who are able to communicate the technology and their enthusiasm ... Photovoltaic R&D is a multi-disciplinary activity, and most chapters should be accessible to advanced undergraduate students, postgraduates and researchers with a wide range of backgrounds. It can be recommended to those starting a PhD in the area and to existing researchers in other fields who wish to find out what all the excitement is about.”Contemporary Physics

Pyrite David Rickard 2015 Most people have heard of pyrite, the brassy yellow mineral commonly known as fool's gold. But despite being the most common sulfide on the earth's surface, pyrite's bright crystals have attracted a noteworthy amount of attention from many different cultures, and its nearly identical visual appearance to gold has led to tales of fraud, trickery, and claims of alchemy. 'Pyrite' occupies a unique place in human history: it became an integral part of mining lore in America during the 19th century, and it has a presence in ancient Sumerian texts, Greek philosophy, and medieval poetry, becoming a symbol for anything overvalued. In 'Pyrite', geochemist and author David Rickard blends basic science and historical narrative to describe the many unique ways pyrite makes appearances in our world. He follows pyrite back through the medieval alchemists to the ancient Arab, Chinese, Indian, and Classical worlds, showing why the mineral was central to the development of these various ancient cultures. 'Pyrite' can be tracked to the beginnings of humankind, and Rickard reveals how it contributed to the origins of our art and storytelling and even to our biologic development as humans.0But pyrite has unique scientific properties as well: the book distills how oxidation makes fool's gold look like a precious metal, and shows how pyrite can choke out oxygen from water, creating large "dead zones" in our oceans. Rickard analyzes pyrite's role in manufacturing sulfuric acid, a compound used for everything from cleaning drains to fertilizing crops. Its influence extends from human evolution and the formation of societies, through science and industry, to our understanding of ancient, modern, and future earth environments. Energetic and accessible, Pyrite is the first book to show readers the history and science of one of the world's most fascinating minerals.

Current Concepts in Movement Disorder Management A. Niranjan 2018-01-12 This book summarizes the current state of movement disorder management and the role of surgical therapies as an alternative to medication. Following a chapter on the history of movement disorder surgery, leaders in their fields describe the pathophysiology, functional neuroanatomy, clinical presentation, and medical management of Parkinson's disease, dystonia, and essential tremor. This is followed by chapters on the spectrum of movement disorder surgery itself, from the lesioning procedures of radiofrequency ablation, stereotactic radiosurgery, and high-frequency ultrasound to the modulatory procedures of “asleep”, image-guided deep brain stimulation (DBS) and “awake”, microelectrode-guided DBS. The final chapters focus on closed-loop DBS, drug-delivery, gene therapy, and other emerging neurosurgical therapies, highlighting long-standing experimental strategies that are reaching exciting phases of clinical translation. This volume is a valuable tool for accessing the wide spectrum of concepts that currently define this dynamic field.

Ethical Engineering for International Development and Environmental Sustainability Marion Hersh

2015-03-20 Ensuring that their work has a positive influence on society is a responsibility and a privilege for engineers, but also a considerable challenge. This book addresses the ways in which engineers meet this challenge, working from the assumption that for a project to be truly ethical both the undertaking itself and its implementation must be ethically sound. The contributors discuss varied topics from an international and interdisciplinary perspective, including 1 robot ethics; 1 outer space; 1 international development; 1 internet privacy and security; 1 green branding; 1 arms conversion; 1 green employment; and 1 deliberate misinformation about climate change Important questions are answered, such as 1 what is meant by engineering ethics and its practical implications; 1 how decisions made by engineers in their working lives make an impact at the global as well as the local level; and 1 what ethics-related questions should be asked before making such decisions. Ethical Engineering for International Development and Environmental Sustainability will be a valuable resource for practising and student engineers as well as all who are interested in professional ethics, especially as it relates to engineering. Researchers and policy makers concerned with the effects of engineering decisions on environmental sustainability and international stability will find this book to be of special interest.

Anticancer Drug Development Bruce C. Baguley 2001-11-17 Here in a single source is a complete spectrum of ideas on the development of new anticancer drugs. Containing concise reviews of multidisciplinary fields of research, this book offers a wealth of ideas on current and future molecular targets for drug design, including signal transduction, the cell division cycle, and programmed cell death. Detailed descriptions of sources for new drugs and methods for testing and clinical trial design are also provided. One work that can be consulted for all aspects of anticancer drug development Concise reviews of research fields, combined with practical scientific detail, written by internationally respected experts A wealth of ideas on current and future molecular targets for drug design, including signal transduction, the cell division cycle, and programmed cell death Detailed descriptions of the sources of new anticancer drugs, including combinatorial chemistry, phage display, and natural products Discussion of how new drugs can be tested in preclinical systems, including the latest technology of robotic assay systems, cell culture, and experimental animal techniques Hundreds of references that allow the reader to access relevant scientific and medical literature Clear illustrations, some in color, that provide both understanding of the field and material for teaching

Lactic Acid Bacteria Gabriel Vinderola 2019-04-08 Through four editions, *Lactic Acid Bacteria: Microbiological and Functional Aspects*, has provided readers with information on the how's and why's lactic acid-producing fermentation improves the storability, palatability, and nutritive value of perishable foods. Thoroughly updated and fully revised, with 12 new chapters, the Fifth Edition covers regulatory aspects globally, new findings on health effects, properties and stability of LAB as well as production of target specific LAB. The new edition also addresses the technological use of LAB in various fermentations of food, feed and beverage, and their safety considerations. It features the detailed description of the main genera of LAB as well as such novel bacteria as fructophilic LAB and novel probiotics and discusses such new targets as cognitive function, metabolic health, respiratory health and probiotics. Key Features: In 12 new chapters, findings are presented on health effects, properties and stability of LAB as well as production of target specific LAB Covers such novel bacteria as fructophilic LAB and novel probiotics Presents new discoveries related to the mechanisms of lactic acid

bacterial metabolism and function Covers the benefits of LAB, both in fermentation of dairy, cereal, meat, vegetable and silage, and their health benefits on humans and animals Discusses the less-known role of LAB as food spoilers Covers the global regulatory framework related to safety and efficacy

Biotechnology Research in an Age of Terrorism National Research Council 2004-03-02 In recent years much has happened to justify an examination of biological research in light of national security concerns. The destructive application of biotechnology research includes activities such as spreading common pathogens or transforming them into even more lethal forms. Policymakers and the scientific community at large must put forth a vigorous and immediate response to this challenge. This new book by the National Research Council recommends that the government expand existing regulations and rely on self-governance by scientists rather than adopt intrusive new policies. One key recommendation of the report is that the government should not attempt to regulate scientific publishing but should trust scientists and journals to screen their papers for security risks, a task some journals have already taken up. With biological information and tools widely distributed, regulating only U.S. researchers would have little effect. A new International Forum on Biosecurity should encourage the adoption of similar measures around the world. Seven types of risky studies would require approval by the Institutional Biosafety Committees that already oversee recombinant DNA research at some 400 U.S. institutions. These “experiments of concern” include making an infectious agent more lethal and rendering vaccines powerless.

Probiotic Bacteria and Postbiotic Metabolites: Role in Animal and Human Health Naheed Mojgani 2021-05-13 This book covers all aspects of probiotic bacteria and their metabolites, as well as their role and significance in human and animal health. Given the role of probiotic bacterial strains in the production of short chain fatty acids, butyrate etc probiotics may be considered as an alternative approach for the prevention or treatment of intestinal dysbiosis, cancers, cardiovascular diseases, hypertension. Additionally, the significance of probiotics added in aquaculture systems for improving health, performance and growth of aquatic organisms has been highlighted. In this book, the multi-functional role of probiotics and their post-biotic metabolites in improving overall health status of man and animals, is discussed. It is a comprehensive compilation useful for researchers, academics, veterinarians and students in the field of microbiology, food technology and biotechnology.