
Get Free Pdf Guide User Sphere Olea

If you ally obsession such a referred **Pdf Guide User Sphere Olea** ebook that will have enough money you worth, acquire the extremely best seller from us currently from several preferred authors. If you desire to funny books, lots of novels, tale, jokes, and more fictions collections are with launched, from best seller to one of the most current released.

You may not be perplexed to enjoy all book collections Pdf Guide User Sphere Olea that we will totally offer. It is not roughly speaking the costs. Its not quite what you craving currently. This Pdf Guide User Sphere Olea, as one of the most operational sellers here will extremely be in the midst of the best options to review.

KEY=GUIDE - MARLEY SINGLETON

GSLIB

Geostatistical Software Library and User's Guide

Oxford University Press, USA This successful text has been extensively revised to cover new algorithms and applications.

Regions and Powers

The Structure of International Security

Cambridge University Press This book develops the idea that since decolonisation, regional patterns of security have become more prominent in international politics. The authors combine an operational theory of regional security with an empirical application across the whole of the international system. Individual chapters cover Africa, the Balkans, CIS Europe, East Asia, EU Europe, the Middle East, North America, South America, and South Asia. The main focus is on the post-Cold War period, but the history of each regional security complex is traced back to its beginnings. By relating the regional dynamics of security to current debates about the global power structure, the authors unfold a distinctive interpretation of post-Cold War international security, avoiding both the extreme oversimplifications of the unipolar view, and the extreme deterritorialisations of many globalist visions of a new world disorder. Their framework brings out the radical diversity of security dynamics in different parts of the world.

Weather Station Handbook--

An Interagency Guide for Wildland Managers

The Essential Guide to Doing Your Research Project

SAGE The Essential Guide to Doing Your Research Project 2e is the ultimate companion to successfully completing your research project. Warm and pragmatic, it gives you the skills and the confidence needed to succeed no matter what happens along the way. The book guides you through every step of your research project, from getting started to analysing data and writing up. Each stage is clearly set out, highlighting best practice and providing practical tips and down-to-earth advice for actually doing research. Key features include: Fully developed companion website including podcasts, worksheets, examples of real projects and links to journal articles Chapter summaries Boxed definitions of key terms Full glossary Suggestions for further reading Bursting with real world examples and multidisciplinary case studies, this book addresses the key questions posed by anyone hoping to complete a research project. It is the must-have textbook every student needs. Available with Perusall—an eBook that makes it easier to prepare for class Perusall is an award-winning eBook platform featuring social annotation tools that allow students and instructors to collaboratively mark up and discuss their SAGE textbook. Backed by research and supported by technological innovations developed at Harvard University, this process of learning through collaborative annotation keeps your students engaged and makes teaching easier and more effective. Learn more.

The Miombo in Transition

Woodlands and Welfare in Africa

CIFOR Miombo woodlands and their use: overview and key issues. The ecology of miombo woodlands. Population biology of miombo tree. Miombo woodlands in the wider context: macro-economic and inter-sectoral influences. Rural households and miombo woodlands: use, value and management. Trade in woodland products from the miombo region. Managing miombo woodland. Institutional arrangements governing the use and the management of miombo woodlands. Miombo woodlands and rural livelihoods: options and opportunities.

Reservoir Model Design

A Practitioner's Guide

Springer Nature This book gives practical advice and ready to use tips on the design and construction of subsurface reservoir models. The design elements cover rock architecture, petrophysical property modelling, multi-scale data integration, upscaling and uncertainty analysis. Philip Ringrose and Mark Bentley share their experience, gained from over a hundred reservoir modelling studies in 25 countries covering clastic, carbonate and fractured reservoir types, and for a range of fluid systems - oil, gas and CO₂, production and injection, and effects of different mobility ratios. The intimate relationship between geology and fluid flow is explored throughout, showing how the impact of fluid type, displacement mechanism and the subtleties of single- and multi-phase flow combine to influence reservoir model design. The second edition updates the existing sections and adds sections on the following topics: • A new chapter on modelling for CO₂ storage • A new chapter on modelling workflows • An extended chapter on fractured reservoir modelling • An extended chapter on multi-scale modelling • An extended chapter on the quantification of uncertainty • A revised section on the future of modelling based on recently published papers by the authors The main audience for this book is the community of applied geoscientists and engineers involved in understanding fluid flow in the subsurface: whether for the extraction of oil or gas or the injection of CO₂ or the subsurface storage of energy in general. We will always need to understand how fluids move in the subsurface and we will always require skills to model these quantitatively. The second edition of this reference book therefore aims to highlight the modelling skills developed for the current energy industry which will also be required for the energy transition of the future. The book is aimed at technical-professional practitioners in the energy industry and is also suitable for a range of Master's level courses in reservoir characterisation, modelling and engineering. • Provides practical advice and guidelines for users of 3D reservoir modelling packages • Gives advice on reservoir model design for the growing world-wide activity in subsurface reservoir modelling • Covers rock modelling, property modelling, upscaling, fluid flow and uncertainty handling • Encompasses clastic, carbonate and fractured reservoirs • Applies to multi-fluid cases and applications: hydrocarbons and CO₂, production and storage; rewritten for use in the Energy Transition.

LIVESTOCK-RELATED INTERVENTIONS DURING EMERGENCIES

Food & Agriculture Org. This FAO manual provides technical advice and guidelines for each of the livestock interventions most common during emergency response to natural and human-induced disasters. These are: destocking, veterinary support, provision of feed, provision of water, shelters and provision of livestock. There is also a chapter on the use of cash transfer and one on monitoring, evaluation and assessing the impact of emergency livestock projects. The manual complements the Livestock Emergency Guidelines and Standards (LEGS) handbook.

Digital Terrain Modeling

Principles and Methodology

CRC Press Written by experts, **Digital Terrain Modeling: Principles and Methodology** provides comprehensive coverage of recent developments in the field. The topics include terrain analysis, sampling strategy, acquisition methodology, surface modeling principles, triangulation algorithms, interpolation techniques, on-line and off-line quality control in data acquisition, DTM accuracy assessment and mathematical models for DTM accuracy prediction, multi-scale representation, data management, contouring, visual analysis (or visualization), the derivation of various types of terrain parameters, and future development and applications.

Dynamic Gemmotherapy

Lulu.com This book explains the use of Gemmotherapeutic Remedies (made from buds and young shoots) as it relates to the traditional use of the same plant. It includes a *Materia Medica*, Clinical Suggestions and a detailed Repertory allowing for in-depth knowledge and easy use.

Green Synthesis, Characterization and Applications of Nanoparticles

Elsevier *Green Synthesis, Characterization and Applications of Nanoparticles* shows how eco-friendly nanoparticles are engineered and used. In particular, metal nanoparticles, metal oxide nanoparticles and other categories of nanoparticles are discussed. The book outlines a range of methodologies and explores the appropriate use of each. Characterization methods include spectroscopic, microscopic and diffraction methods, but magnetic resonance methods are also included as they can be used to understand the mechanism of nanoparticle synthesis using organisms. Applications covered include targeted drug delivery, water purification and hydrogen generation. This is an important research resource for those wishing to learn more about how eco-efficient nanoparticles can best be used. Theoretical details and mathematical derivations are kept to a necessary minimum to suit the need of interdisciplinary audiences and those who may be relatively new to the field. Explores recent trends in growth, characterization, properties and applications of nanoparticles Gives readers an understanding on how they are applied through the use of case studies and examples Assesses the advantages and disadvantages of a variety of synthesis and characterization techniques for green nanoparticles in different situations

Cerebrospinal Fluid Disorders

Lifelong Implications

Springer *Hydrocephalus* is one of the most common diseases of pediatric and adult neurosurgery. With the introduction of modern neurosurgical procedures, this disease has become a life-long problem. Even with optimal treatment, there is still significant morbidity and mortality along with a significant cost to the medical system. This has caused patients and their families to demand improvements in treatments and forced clinicians to evaluate their treatments in large consortiums while utilizing both genetics and technology to improve outcomes or avoid placement of shunt all together. This text is designed to present the current treatments for hydrocephalus across the lifespan. The foundation for understanding cerebral spinal fluid (CSF) abnormalities begins with the understanding of physiology and pathogenesis of disease. These chapters are written by published experts in the field and detail the significant advances in the detection of CSF abnormalities. This section will discuss the current advances in imaging and current research in biomarkers for both pediatric and adult patients. We will then systematically discuss the treatment of both pediatric and adult CSF disorders. These will be broken down by cause, since the physiology of each can be different. We will end the book with a discussion both of the technological advances and a discussion of consortiums and how they have advanced treatment of this chronic disease.

Clinical fMRI and Diffusion Tractography

Paradigm Selection, Neurological Assessment, and Case-Based Analysis

Springer Unlike most MRI procedures, functional MRI (fMRI) studies require interaction between the radiology professionals administering the test and the patient, whose neurological status must be assessed. Additionally, an appropriate paradigm must be selected based on the neurological assessment and prior MRI exams, the paradigm must be delivered to and successfully performed by the patient while undergoing the fMRI study, and there is analysis to be done on the fMRI data after the exam. *Clinical fMRI and Diffusion Tractography* presents extensive, case-based clinical information on all aspects of fMRI studies that radiologists need to follow to ensure optimal clinical output is achieved. Written by experts from the fMRI Laboratory at Memorial Sloan-Kettering Cancer Center, chapters patient preparation, fMRI hardware and scanner basics, as well as information on diffusion tractography. The series of unique clinical case studies presented in the book will be a valuable resource for all neuroradiologists to better understand the optimal using of functional imaging and diffusion tractography for the diagnosis of brain disorders and disease.

Keep It Moving?

Conserving Kinetic Art

Getty Publications Kinetic art not only includes movement but often depends on it to produce an intended effect and therefore fully realize its nature as art. It can take a multiplicity of forms and include a wide range of motion, from motorized and electrically driven movement to motion as the result of wind, light, or other sources of energy. Kinetic art emerged throughout the twentieth century and had its major developments in the 1950s and 1960s. Professionals responsible for conserving contemporary art are in the midst of rethinking the concept of authenticity and solving the dichotomy often felt between original materials and functionality of the work of art. The contrast is especially acute with kinetic art when a compromise between the two often seems impossible. Also to be considered are issues of technological obsolescence and the fact that an artist's chosen technology often carries with it strong sociological and historical information and meanings. www.getty.edu/publications/keepitmoving

Landscape Ecology in Theory and Practice

Pattern and Process

Springer Science & Business Media An ideal text for students taking a course in landscape ecology. The book has been written by very well-known practitioners and pioneers in the new field of ecological analysis. Landscape ecology has emerged during the past two decades as a new and exciting level of ecological study. Environmental problems such as global climate change, land use change, habitat fragmentation and loss of biodiversity have required ecologists to expand their traditional spatial and temporal scales and the widespread availability of remote imagery, geographic information systems, and desk top computing has permitted the development of spatially explicit analyses. In this new text book this new field of landscape ecology is given the first fully integrated treatment suitable for the student. Throughout, the theoretical developments, modeling approaches and results, and empirical data are merged together, so as not to introduce barriers to the synthesis of the various approaches that constitute an effective ecological synthesis. The book also emphasizes selected topic areas in which landscape ecology has made the most contributions to our understanding of ecological processes, as well as identifying areas where its contributions have been limited. Each chapter features questions for discussion as well as recommended reading.

Guns, Germs, and Steel: The Fates of Human Societies (20th Anniversary Edition)

W. W. Norton & Company "Fascinating.... Lays a foundation for understanding human history."—Bill Gates In this "artful, informative, and delightful" (William H. McNeill, *New York Review of Books*) book, Jared Diamond convincingly argues that geographical and environmental factors shaped the modern world. Societies that had had a head start in food production advanced beyond the hunter-gatherer stage, and then developed religion --as well as nasty germs and potent weapons of war --and adventured on sea and land to conquer and decimate preliterate cultures. A major advance in our understanding of human societies, *Guns, Germs, and Steel* chronicles the way that the modern world came to be and stunningly dismantles racially based theories of human history. Winner of the Pulitzer Prize, the Phi Beta Kappa Award in Science, the Rhone-Poulenc Prize, and the Commonwealth club of California's Gold Medal.

New Methods of Food Preservation

Springer Science & Business Media

Family, Bullying and Cyberbullying

MDPI Despite the significant decrease in bullying that has been reported in many countries during the last two decades, bullying continues to be a significant problem among young people. Given the increase of internet use among youth, researchers have started to pay attention to cyberspace, understanding that it may be a fertile ground for bullying behaviors, specifically, what is known as cyberbullying. "Family, Bullying and Cyberbullying" examines the association of several family variables with bullying in offline and online environments during childhood and adolescence. Contributors from the Americas, Canada, Asia, and Europe offer cutting-edge research on family dynamics, bystander behaviors, parents' and educators' perceptions, and bullying and cyberbullying prevention and intervention strategies for school and home. This book also provides an analysis of the current research on the influence of family in the electronic bullying. Research topics included in the book: 1) Parental education and bullying and cyberbullying; 2) Parental monitoring and cyberbullying; 3) Parental communication and feelings of affiliation; 4) Student and educator perspective on cyberbullying; 5) Parents' responses to bullying; 6) Parental mediation and bystander behaviors; 7) Development of scales to measure cyberbullying and high internet risks. "Family, Bullying and Cyberbullying" is an essential resource for researchers, graduate students, families, and practitioners in social education, social work, teacher education, and psychology.

Handbook of Bioenergy Crops

A Complete Reference to Species, Development and Applications

Earthscan This completely revised second edition includes new information on biomass in relation to climate change, new coverage of vital issues including the "food versus fuel" debate, and essential new information on "second generation" fuels and advances in conversion techniques. The book begins with a guide to biomass accumulation, harvesting, transportation and storage, as well as conversion technologies for biofuels. This is followed by an examination of the environmental impact and economic and social dimensions, including prospects for renewable energy. The book then goes on to cover all the main potential energy crops.

Microplastic in the Environment: Pattern and Process

Springer Nature This open access book examines global plastic pollution, an issue that has become a critical societal challenge with implications for environmental and public health. This volume provides a comprehensive, holistic analysis on the plastic cycle and its subsequent effects on biota, food security, and human exposure. Importantly, global environmental change and its associated, systems-level processes, including atmospheric deposition, ecosystem complexity, UV exposure, wind patterns, water stratification, ocean circulation, etc., are all important direct and indirect factors governing the fate, transport and biotic and abiotic processing of plastic particles across ecosystem types. Furthermore, the distribution of plastic in the ocean is not independent of terrestrial ecosystem dynamics, since much of the plastic in marine ecosystems originates from land and should therefore be evaluated in the context of the larger plastic cycle. Changes in species size, distribution, habitat, and food web complexity, due to global environmental change, will likely alter trophic transfer dynamics and the ecological effects of nano- and microplastics. The fate and transport dynamics of plastic particles are influenced by their size, form, shape, polymer type, additives, and overall ecosystem conditions. In addition to the risks that plastics pose to the total environment, the potential impacts on human health and exposure routes, including seafood consumption, and air and drinking water need to be assessed in a comprehensive and quantitative manner. Here I present a holistic and interdisciplinary book volume designed to advance the understanding of plastic cycling in the environment with an emphasis on sources, fate and transport, ecotoxicology, climate change effects, food security, microbiology, sustainability, human exposure and public policy.

Hints on Singing

Handbook of Mathematical Geosciences

This Open Access handbook published at the IAMG's 50th anniversary, presents a compilation of invited path-breaking research contributions by award-winning geoscientists who have been instrumental in shaping the IAMG. It contains 45 chapters that are categorized broadly into five parts (i) theory, (ii) general applications, (iii) exploration and resource estimation, (iv) reviews, and (v) reminiscences covering related topics like mathematical geosciences, mathematical morphology, geostatistics, fractals and multifractals, spatial statistics, multipoint geostatistics, compositional data analysis, informatics, geocomputation, numerical methods, and chaos theory in the geosciences. This work was published by Saint Philip Street Press pursuant to a Creative Commons license permitting commercial use. All rights not granted by the work's license are retained by the author or authors.

Statistics of Earth Science Data

Their Distribution in Time, Space and Orientation

Springer Science & Business Media From the reviews: "All in all, Graham Borradaile has written an interesting and idiosyncratic book on statistics for geoscientists that will be welcome among students, researchers, and practitioners dealing with orientation data. That should include engineering geologists who work with things like rock fracture orientation measurements or clast alignment in paleoseismic trenches. It won't replace the collection of statistics and geostatistics texts in my library, but it will have a place among them and will likely be one of several references to which I turn when working with orientation data.... The text is easy to follow and illustrations are generally clear and easy to read..."(William C. Haneberg, Haneberg Geoscience)

Joseph Smith's New Translation of the Bible

Original Manuscripts

Deseret Book Company This volume--the work of a lifetime--brings together all the Joseph Smith Translation manuscript in a remarkable and useful way. Now, for the first time, readers can take a careful look at the complete text, along with photos of several actual manuscript pages. The book contains a typographic transcription of all the original manuscripts, unedited and preserved exactly as dictated by the Prophet Joseph and recorded by his scribes. In addition, this volume features essays on the background, doctrinal contributions, and editorial procedures involved in the Joseph Smith Translation, as well as the history of the manuscripts since Joseph Smith's day.

Medical Herbalism

The Science and Practice of Herbal Medicine

Simon and Schuster A foundational textbook on the scientific principles of therapeutic herbalism and their application in medicine • A complete handbook for the medical practitioner • Includes the most up-to-date information on preparations, dosage, and contraindications • By the author of The Complete Illustrated Holistic Herbal Medical Herbalism contains comprehensive information concerning the identification and use of medicinal plants by chemical structure and physiological effect, the art and science of making herbal medicine, the limitations and potential of viewing herbs chemically, and the challenge to current research paradigms posed by complex plant medicines. It also includes information on toxicology and contraindications, the issues involved in determining dosage and formulation types for an individual, guides to the different measurement systems and conversion tables, and the pros and cons of both industrial and traditional techniques. With additional sections devoted to the principles of green medicine, the history of Western Herbalism, the variety of other medical modalities using medicinal plants, an extensive resource directory, and a discussion of treatments organized by body system, Medical Herbalism is the comprehensive textbook all students and practitioners of clinical herbalism need to develop their healing practices.

Olive Oil

Chemistry and Technology

Elsevier A staple food for thousands of years for the inhabitants of the Mediterranean region, olive oil is now becoming popular among consumers all over the world. Olive oil differs from other vegetable oils because it is used in its natural form and has unique flavor and other characteristics. More and more research suggests its healthful benefits including reduced risk of coronary heart disease. Olive Oil is a compact and readable text on the most important aspects of chemistry, technology, quality, analysis and biological importance of olive oil. The topics selected have been developing rapidly in recent years, and will provide the reader with a background to address more specific problems that may arise in the future. Readers can expect more contributors and chapters in the 2nd edition, as well as a glossary. Includes the chemistry and properties of olive oils Contains details on the healthful properties of olive oil minor components Extensive information on the analysis and authentication of olive oils Features an overview on the economics of olive oil in the world market

Water Quality for Agriculture

Richtlijnen voor de werker in het veld om problemen te ondervangen ten aanzien van de waterkwaliteit voor irrigatie-doeleinden. Tenslotte worden praktijkervaringen uit diverse gebieden vermeld

Microplastics in fisheries and aquaculture:

Status of knowledge on their occurrence and implications for aquatic organisms and food safety

Food & Agriculture Org. An overview of the occurrence and effects of microplastics on aquatic organisms, with recommendations regarding seafood safety and security, environmental risk assessment approaches and targeted monitoring of microplastics in the environment.

Latin for Gardeners

Over 3,000 Plant Names Explained and Explored

University of Chicago Press Since Latin became the standard language for plant naming in the eighteenth century, it has been intrinsically linked with botany. And while mastery of the classical language may not be a prerequisite for tending perennials, all gardeners stand to benefit from learning a bit of Latin and its conventions in the field. Without it, they might buy a *Hellebores foetidus* and be unprepared for its fetid smell, or a *Potentilla reptans* with the expectation that it will stand straight as a sentinel rather than creep along the ground. An essential addition to the gardener's library, this colorful, fully illustrated book details the history of naming plants, provides an overview of Latin naming conventions, and offers guidelines for pronunciation. Readers will learn to identify Latin terms that indicate the provenance of a given plant and provide clues to its color, shape, fragrance, taste, behavior, functions, and more. Full of expert instruction and practical guidance, *Latin for Gardeners* will allow novices and green thumbs alike to better appreciate the seemingly esoteric names behind the plants they work with, and to expertly converse with fellow enthusiasts. Soon they will realize that having a basic understanding of Latin before trips to the nursery or botanic garden is like possessing some knowledge of French before traveling to Paris; it enriches the whole experience.

Tosefta Berachot: Translated into English with a Commentary

Eliyahu Gurevich The Tosefta is an ancient Jewish legal text that comprises a second compilation of the Oral law. This edition of the Tosefta, Tractate Berachot, is the first of its kind with an introduction, the edited Hebrew text based on ancient manuscripts, an English translation, and a comprehensive commentary in English. The author and translator, Eliyahu Gurevich, is an American-Israeli scholar, and creator of seforimonline.org and toseftaonline.org.

A New Weave of Power, People and Politics

The Action Guide for Advocacy and Citizen Participation

Practical Action Pub This book provides an approach for promoting citizen participation; separating human rights, rule of law, development, and governance, reconnecting them in order to create an integrated approach to rights-based political empowerment; delving into questions of citizenship, constituency-building, social change, gender, and accountability.

Lettre Sur Les Aveugles a L'usage De Ceux Qui Voient

Createspace Independent Publishing Platform Dans ce texte, Denis Diderot se penche sur la question de la perception visuelle, un sujet renouvelé à l'époque par le succès d'opérations chirurgicales permettant de donner la vue à certains aveugles de naissance. Les spéculations sont nombreuses en ce temps-là sur ce que la vue et l'usage qu'un individu peut en faire doivent être la seule perception, ou bien l'habitude et l'expérience, par exemple pour se repérer dans l'espace, identifier des formes, percevoir les distances et les volumes, distinguer un tableau réaliste de la réalité. Diderot explique qu'un aveugle qui se met soudainement à voir ne comprend pas immédiatement ce qu'il voit, et qu'il mettra du temps à faire le rapport entre son expérience des formes et des distances acquises par le toucher, et les images qu'il percevait avec son oeil.

Floriography

An Illustrated Guide to the Victorian Language of Flowers

Andrews McMeel Publishing A charming, gorgeously illustrated botanical encyclopedia for your favorite romantic, local witch, bride-to-be, or green-thumb friend. *Floriography* is a full-color guide to the historical uses and secret meanings behind an impressive array of flowers and herbs. The book explores the coded significances associated with various blooms, from flowers for a lover to flowers for an enemy. The language of flowers was historically used as a means of secret communication. It soared in popularity during the 19th century, especially in Victorian England and the U.S., when proper etiquette discouraged open displays of emotion. Mysterious and playful, the language of flowers has roots in everything from the characteristics of the plant to its presence in folklore and history. Researched and illustrated by popular artist Jessica Roux, this book makes a stunning display piece, conversation-starter, or thoughtful gift.

The Plural Society in the British West Indies

Univ of California Press

Endocrine Disrupting Chemicals-induced Metabolic Disorders and Treatment Strategies

Springer Nature This volume offers a detailed and comprehensive analysis of Endocrine Disrupting Chemicals (EDCs), covering their occurrence, exposure to humans and the mechanisms that lead to the pathogenesis of EDCs-induced metabolic disorders. The book is divided into three parts. Part I describes the physiology of the human endocrine system, with special emphasis on various types of metabolic disorders along with risk factors that are responsible for the development of these disorders. Part II addresses all aspects of EDCs, including their role in the induction of various risk factors that are responsible for the development of metabolic disorders. Part III covers up-to-date environmental regulatory considerations and treatment strategies that have been adopted to cure and prevent EDCs-induced metabolic disorders. This section will primarily appeal to clinicians investigating the causes and treatment of metabolic disorders. The text will also be of interest to students and researchers in the fields of Environmental Pharmacology and Toxicology, Environmental Pollution, Pharmaceutical Biochemistry, Biotechnology, and Drug Metabolism/Pharmacokinetics.

Toxic Chemical and Biological Agents

Detection, Diagnosis and Health Concerns

Springer Nature This book critically assesses the current state of knowledge on new and important detection technologies, e.g. mass spectrometry, tandem mass spectrometry, biosensor detection and tissue imaging, in connection with toxic chemical and biological agents. In general, the main topics discussed concern the risks and consequences of chemical and biological agents for human health in general, with special emphasis on all biochemical and metabolic pathways including the reproductive system. The exposome, genetic risks and the environment, various health hazard agents, risk assessment, environmental assessment and preparedness, and analysis of sub-lethal effects at the molecular level are also discussed. In closing, the book provides comprehensive information on the diagnosis of exposure, and on health concerns related to toxic chemical and biological agents.

Leung's Encyclopedia of Common Natural Ingredients

Used in Food, Drugs and Cosmetics

John Wiley & Sons The third edition of the unparalleled reference on natural ingredients and their commercial use This new Third Edition of *Leung's Encyclopedia of Common Natural Ingredients: Used in Food, Drugs, and Cosmetics* arrives in the wake of the huge wave of interest in dietary supplements and herbal medicine resulting from both trends in health and the Dietary Supplement and Health Education Act of 1994 (DSHEA). This fully updated and revised text includes the most recent research findings on a wide variety of ingredients, giving readers a single source for understanding and working with natural ingredients. The Encyclopedia continues the successful format for entries listed in earlier editions

(consisting of source, description, chemical composition, pharmacology, uses, commercial preparations, regulatory status, and references). The text also features an easily accessible alphabetical presentation of the entries according to common names, with the index cross-referencing entries according to scientific names. This Third Edition also features: More than 50 percent more information than the Second Edition, reflecting the greatly increased research activity in recent years. A new section on traditional Indian medicine, with information on nine commonly used herbs. More than 6,500 references. Two new appendices explaining and illustrating the botanical terminology frequently encountered in the text. A revised and expanded index. Leung's Encyclopedia of Common Natural Ingredients: Used in Food, Drugs, and Cosmetics, Third Edition will continue to provide a comprehensive compilation of the existing literature and prominent findings on natural ingredients to readers with an interest in medicine, nutrition, and cosmetics.

Oxidative Stress in Heart Diseases

Springer Nature This book bridges the gap between fundamental and translational research in the area of heart disease. It describes a multidisciplinary approach, and demonstrates biochemical mechanisms associated with dysregulation of redox signaling, which leads to heart disease. Presenting recent studies on improved forms of ROS scavenging enzymes; specific inhibitors for different ROS generating enzymes; and oxidant induced signaling pathways and their antagonists that allow subtle modulation of redox signaling, it also discusses the spatial and temporal aspects of oxidative stress in the cardiovascular system, which are of vital importance in developing better strategies for treating heart disease. Each chapter offers researchers valuable insights into identifying targets for drug development for different types of heart disease.

Frost Protection

Fundamentals, Practice and Economics

Food & Agriculture Org When air temperatures fall below freezing point, sensitive crops can be injured, with significant effects on production. This publication discusses the distribution, economics, history, physical and biological aspects of frost damage, together with methods of protection. It contains a broad range of information but was mainly written to help growers to better understand freeze protection and to develop strategies to combat crop losses due to freezing. A related volume which focuses on concepts of probability and risk of frost damage is available separately (ISBN 9251053294).

Error Correction Coding

Mathematical Methods and Algorithms

John Wiley & Sons An unparalleled learning tool and guide to error correction coding. Error correction coding techniques allow the detection and correction of errors occurring during the transmission of data in digital communication systems. These techniques are nearly universally employed in modern communication systems, and are thus an important component of the modern information economy. *Error Correction Coding: Mathematical Methods and Algorithms* provides a comprehensive introduction to both the theoretical and practical aspects of error correction coding, with a presentation suitable for a wide variety of audiences, including graduate students in electrical engineering, mathematics, or computer science. The pedagogy is arranged so that the mathematical concepts are presented incrementally, followed immediately by applications to coding. A large number of exercises expand and deepen students' understanding. A unique feature of the book is a set of programming laboratories, supplemented with over 250 programs and functions on an associated Web site, which provides hands-on experience and a better understanding of the material. These laboratories lead students through the implementation and evaluation of Hamming codes, CRC codes, BCH and R-S codes, convolutional codes, turbo codes, and LDPC codes. This text offers both "classical" coding theory—such as Hamming, BCH, Reed-Solomon, Reed-Muller, and convolutional codes—as well as modern codes and decoding methods, including turbo codes, LDPC codes, repeat-accumulate codes, space-time codes, factor graphs, soft-decision decoding, Guruswami-Sudan decoding, EXIT charts, and iterative decoding. Theoretical complements on performance and bounds are presented. Coding is also put into its communications and information theoretic context and connections are drawn to public key cryptosystems. Ideal as a classroom resource and a professional reference, this thorough guide will benefit electrical and computer engineers, mathematicians, students, researchers, and scientists.

Earthquakes in the Mediterranean and Middle East

A Multidisciplinary Study of Seismicity up to 1900

Cambridge University Press This book examines historical evidence from the last 2000 years to analyse earthquakes in the eastern Mediterranean and Middle East. Early chapters review techniques of historical seismology, while the main body of the book comprises a catalogue of more than 4000 earthquakes identified from historical sources. Each event is supported by textual evidence extracted from primary sources and translated into English. Covering southern Rumania, Greece, Turkey, Lebanon, Israel, Egypt, Jordan, Syria, and Iraq, the book documents past seismic events, places them in a broad tectonic framework, and provides essential information for those attempting to prepare for, and mitigate the effects of, future earthquakes and tsunamis in these countries. This volume is an indispensable reference for researchers studying the seismic history of the eastern Mediterranean and Middle East, including archaeologists, historians, earth scientists, engineers and earthquake hazard analysts. A parametric catalogue of these seismic events can be downloaded from www.cambridge.org/9780521872928.