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KEY=OF - LEON OCONNOR

True Power of Hydrogen Peroxide

Miracle Path to Wellness

Disinfection and Decontamination

A Practical Handbook

CRC Press This book describes various methods of decontamination and how the methods work. There is a discussion of the various cleaning and disinfection methods utilized, along with details of how to qualify these methods. It also describes new technologies that may be useful in the battle for decontamination across industries. Finally, this book provides a single resource on how one can address contamination issues for a variety of manufacturing processes and industries.

Metaphysics

The Fundamentals

John Wiley & Sons

Hydrogen, Biomass and Bioenergy

Integration Pathways for Renewable Energy Applications

Academic Press *Hydrogen and Bioenergy: Integration Pathways for Renewable Energy Applications* focuses on the nexus between hydrogen and carbon compounds as energy carriers, with a particular focus on renewable energy solutions. This book explores opportunities for integrating hydrogen in the bioenergy value chain, such as adding hydrogen to upgrade biofuels and lower CO2 emissions during production. The book also takes the inverse path to examine hydrogen production by chemical and biological routes from various bioresources, including solid waste, wastewater, agricultural products and algae. This broad coverage of technologies and applications presents a unique resource for researchers and practitioners developing integrated hydrogen and bioenergy technologies. This book will also be useful for graduate students and new researchers, presenting an introductory resource in the areas of hydrogen and bioenergy. Energy planners and engineers will also benefit from this content when designing and deploying hydrogen infrastructure for power, heating and transportation. Provides a comprehensive picture of hydrogen generation from biomass, as well as other sources of hydrogen for power, heating, transportation and storage applications Explores the ways hydrogen can be utilized in combination with bio-derived hydrocarbon chains to produce a variety of substitutes for fossil fuel-based petrochemicals Fills the gap between theoretical knowledge and technology viability Analyzes how these technologies fit into an overall energy strategy targeted at expanding the renewable energy sector

International Conference on Mechanics and Materials Engineering (ICMME 2014)

DEStech Publications, Inc The conference aims to provide an excellent international academic forum for all the researchers, practitioner, students and teachers in related fields to share their knowledge and results in theory, methodology and application on mechanics and materials engineering. ICMME2014 features unique mixed topics of Mechanics, Materials Science and Materials Processing Technology, Emerging materials and other related ones. The ICMME2014 proceeding tends to collect the most up-to-date, comprehensive, and worldwide state-of-art knowledge on mechanics and materials engineering. All the accepted papers have been submitted to strict peer-review by 2-4 expert referees, and selected based on originality, significance and clarity for the purpose of the conference. The conference program is extremely rich, profound and featuring high-impact presentations of selected papers and additional late-breaking contributions. We sincerely hope that the conference would not only show the participants a broad overview of the latest research results on related fields, but also provide them a significant platform for academic connection and exchange.

Stress and Poverty

A Cross-Disciplinary Investigation of Stress in Cells, Individuals, and Society

Springer Nature The word stress is everywhere and highly overused. Everyone is stressed, it seems, all the time. Looking into the meaning of stress in the natural science and the humanities, this book explores cellular stress as cause of and in correlation with what humans experience as stress. When do we psychologically feel stress and when do we show physiological evidence of stress in our brain? Stress is a deviation from what feels normal and healthy. It can be created by social or economic factors and become chronic, which has substantial impacts on the individual and society as a whole. Focusing on poverty as one chronic inducer of stress, this book explores how the lack of pressure-free time, the hardships and unpredictability of everyday life and a general lack of protection lead to destructive toxic stress. This pressure affects cognitive and social functioning, brain development during childhood and may also result in premature aging. How can the sciences inform our understanding of and our response to stress? What can be done about toxic stress both on a personal level and in terms of structures and policies? The book is written for anyone interested in stress, its causes and consequences, and its relationship to poverty.

Objective Question Bank GENERAL SCIENCE

Arihant Publications India limited The General Science section covering Physics, Chemistry, Biology and Computer Science has taken an important dimension in most of the competitive examinations like SSC, CDS, NDA, Assistant Commandant, CPO, UPSC and State Level PSC Exams and those lacking the basic General Science knowledge lag behind others in the long run. The present book will act as an Objective Question Bank for General Science. The book has been prepared keeping in mind the importance of the subject. This book has been divided into four sections namely Physics, Chemistry, Biology and Computer Science, each divided into number of chapters as per the syllabi of General Science section asked in various competitive exams. The Physics section covers Motion, Force & Laws of Motion, Gravitation, Work, Energy & Power, Simple Harmonic Motion, Wave Motion, Light-Ray Optics, Current Electricity & Its Effects, Nuclear Physics, Semiconductor, Communication, etc whereas the Chemistry section has been divided into Atomic Structure, Chemical Reactions, Chemical Bonding, Solutions & Colloids, Energetics & Kinetics, Electrochemistry, Metallurgy, Metals & Their Compounds, Flame & Fuel, Food Chemistry, etc. The Biology section in the book covers Biology & Its Branches, Cell: Structure & Functions, Cell Cycle & Cell Division, Plant Tissues, Animal Nutrition, Plant System, Reproduction in Organisms, Respiratory System, Excretory System, Reproductive System, Genetics, Biotechnology, Animal Husbandry, etc whereas the Computer Awareness section has been divided into Computer Organisation & Memory, Data Representation, Software, Data Communication Networking and Internet & Computer Security. The chapters in the book contain more than 100 tables which will help in better summarization of the important information. Each chapter in the book contains ample number of objective questions ample number of objective questions including questions asked in previous years' exams which have been designed on the lines of questions asked in various competitive examinations. With a collection of more than 5000 highly useful questions, the content covered in the book tries to simplify the complexities of some of the topics so that non-science students feel no difficulty while studying general science. Also hints and solutions to the difficult questions have been provided in the book. As the book thoroughly covers the General Science section asked in a number of competitive examinations, it for sure will work as a preparation booster for various competitive examinations like UPSC & State Level PSCs Examinations, SSC, CDS, NDA, CISF and other general competitive & recruitment examinations.

Climate Resilience and Environmental Sustainability Approaches

Global Lessons and Local Challenges

Springer Nature The book is about climate resilience and environmental sustainability approaches, discussing knowledge at global level and the local challenges, presented by authors from various countries. Environmental sustainability is at stake and implications of climate change are clearly visible in most parts of the world. In the times of the prevailing global environmental crisis, this book

discusses key issues of climate change and sustainable energy alternatives, waste management and development. It discusses climate change scenario using simulation models in various Asian countries, signatures of climate change in Antarctica, implications in the Indian Ocean and the Indian scenario of REDD+. A special focus has been given on building climate resilience in our agricultural ecosystems and sustainable agriculture. It discusses the prospects and challenges of renewable energy options including biofuels and energy from wastewaters, explores the technical aspects of eco-friendly bioremediation of pollutants, sustainable solid waste management practices and challenges, carbon footprints of industry, and emphasizes on the significance of combining traditional knowledge with modern technology with novel approaches including involvement of social enterprises and corporate social responsibility to achieve the Sustainable Development Goals. This is an important document for researchers and policy makers working in multidisciplinary fields of sustainability sciences.

Phenolic Antioxidants and Health Benefits

Scientific Publishers This book is mainly based on the latest research results and applications of phenolic and polyphenolic compounds. Phenolic compounds, ubiquitous in plants, are an essential part of the human diet and are of considerable interest due to their antioxidant properties and potential beneficial health effects. These compounds range structurally from a simple phenolic molecule to complex high-molecular-weight polymers. There is increasing evidence that consumption of a variety of phenolic compounds present in foods may lower the risk of health disorders because of their antioxidant activity. When added to foods, antioxidants control rancidity development, retard the formation of toxic oxidation products, maintain nutritional quality and extend the shelf-life of products. Due to safety concerns and limitation on the use of synthetic antioxidants, natural antioxidants obtained from edible materials, edible by-products and residual sources have been of increasing interest. This contribution summarizes both the synthetic and natural phenolic antioxidants, emphasizing their mode of action, health effects, degradation products and toxicology. In addition, sources of phenolic antioxidants are discussed in detail.

Bioelectrochemical Systems

Vol.2 Current and Emerging Applications

Springer Nature This book is the second in a two-volume set devoted to bioelectrochemical systems (BESs) and the opportunities that they may offer in providing a green solution to growing energy demands worldwide. While the first volume explains principles and processes, in this volume established research professionals shed light on how this technology can be used to generate high-value chemicals and energy using organic wastes. Bioelectricity is generated in microbial fuel cells (MFCs) under oxygen-depleted conditions, where microbial bioconversion reactions transform organic wastes into electrons. Dedicated chapters focus on MFCs and state of the art advancements as well as current limitations. In addition, the book covers the use of microbial biofilm- and algae-based bioelectrochemical systems for bioremediation and co-generation of valuable chemicals. A thorough review of the performance of this technology and its possible industrial applications is presented. The book is designed for a broad audience, including undergraduates, postgraduates, energy researchers/scientists, policymakers, and anyone else interested in the latest developments in this field.

Inorganic Materials for Energy, Medicine and Environmental Remediation

Springer Nature This book presents concepts, methods and applications of inorganic nanomaterials for energy applications such as fuel cells and batteries, for environmental applications such as water purification, and for medicinal applications such as cancer treatments. The founding father of nanotechnology, Eric Drexler, always communicated a unique vision in exploring new materials and creating advancements in molecular nanotechnology. He emphasized the potential advantages of smaller size, higher efficiency and less needed resources for applications in energy, environment and medicine. A higher surface to volume ratio of inorganic nanomaterials is a key property.

Water Pollution and Remediation: Heavy Metals

Springer Nature Pollution of waters by toxic metals is accelerating worldwide due to industrial and population growth, notably in countries having poor environmental laws, resulting in many diseases such as cancer. Classical remediation techniques are limited. This book reviews new, advanced or improved techniques for metal removal, such as hybrid treatments, nanotechnologies and unconventional adsorbents, e.g. metal-organic frameworks. Contaminants include rare earth elements, arsenic, lead, cadmium, chromium, copper and effluents from the electronic, textile, agricultural and pharmaceutical industries.

Microbes for Climate Resilient Agriculture

John Wiley & Sons A comprehensive, edited volume pulling together research on manipulation of the crop microbiome for climate resilient agriculture *Microbes for Climate Resilient Agriculture* provides a unique collection of data and a holistic view of the subject with quantitative assessment of how agricultural systems will be transformed in coming decades using hidden treasure of microbes. Authored by leaders in the field and edited to ensure conciseness and clarity, it covers a broad range of agriculturally important crops, discusses the impact of climate change on crops, and examines biotechnologically and environmentally relevant microbes. The book encapsulates the understanding of microbial mediated stress management at field level, and will serve as a springboard for novel research findings and new applications in the field. Chapter coverage includes: the role of the phytomicrobiome in maintaining biofuel crop production in a changing climate; the impact of agriculture on soil microbial community composition and diversity in southeast Asia; climate change impact on plant diseases; microalgae; photosynthetic microorganisms and bioenergy prospects; amelioration of abiotic stresses in plants through multi-faceted beneficial microorganisms; role of methylophilic bacteria in climate change mitigation; conservation agriculture for climate change resilience; archaeal community structure; mycorrhiza-helping plants to navigate environmental stresses; endophytic microorganisms; *Bacillus thuringiensis*; and microbial nanotechnology for climate resilient agriculture. Clear and succinct chapters contributed and edited by leaders in the field Covers microbes' beneficial and detrimental roles in the microbiome, as well as the functions they perform under stress Discusses the crop microbiome, nutrient cycling microbes, endophytes, mycorrhizae, and various pests and diseases, and their roles in sustainable farming Places research in larger context of climate change's effect on global agriculture *Microbes for Climate Resilient Agriculture* is an important text for scientists and researchers studying microbiology, biotechnology, environmental biology, agronomy, plant physiology, and plant protection.

List of English-translated Chinese standards [GB/T]

English-translated Chinese standards

<https://www.codeofchina.com> [HTTPS://WWW.CODEOFCHINA.COM](https://www.codeofchina.com) EMAIL:COCC@CODEOFCHINA.COM "Codeofchina Inc., a part of TransForyou (Beijing) Translation Co., Ltd., is a professional Chinese code translator in China. Now, Codeofchina Inc. is running a professional Chinese code website, www.codeofchina.com. Through this website, Codeofchina Inc. provides English-translated Chinese codes to clients worldwide. About TransForyou TransForyou (Beijing) Translation Co., Ltd., established in 2003, is a reliable language service provider for clients at home and abroad. Since our establishment, TransForyou has been aiming to build up a translation brand with our professional dedicated service. Currently, TransForyou is the director of China Association of Engineering Construction Standardization (CECS); the committeeman of Localization Service Committee / Translators Association of China (TAC) and the member of Boya Translation Culture Salon (BTCS); and the field study center of the University of the University of International Business & Economics (UIBE) and Hebei University (HU). In 2016, TransForyou ranked 27th among Asian Language Service Providers by Common Sense Advisory. "

Surgical Technology for the Surgical Technologist: A Positive Care Approach

Cengage Learning Welcome to the leading text in surgical technology the most up-to-date, the most trusted, and the most comprehensive. *SURGICAL TECHNOLOGY FOR THE SURGICAL TECHNOLOGIST: A POSITIVE CARE APPROACH, Fourth Edition* is your trusted source for comprehensive foundational surgical technology information. This streamlined new edition gets right to the essential topics such as equipment and supplies, operative preparation, practical and technical considerations, and postoperative considerations. With updated real-life scenarios, medical artwork, live surgery images, and numerous tools to support learning, this text is the ultimate resource for helping students anticipate the patient's and surgeon's needs before, during, and after a surgical procedure. Full coverage of essential procedures, this text provides students with the information needed to successfully apply the guidelines found in the Sixth Edition Core Curriculum for Surgical Technology, published by the Association of Surgical Technologists. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Tools, Techniques and Protocols for Monitoring Environmental Contaminants

Elsevier *Tools, Techniques and Protocols for Monitoring Environmental Contaminants* describes information on the strategic integration of available monitoring methods with molecular techniques, with a focus on omics (DNA, RNA and protein based) and molecular imprinted polymer and nanomaterial based advanced biosensors for environmental applications. It discusses the most commonly practiced analytic techniques, such as HPLC, MS, GCMS and traditional biosensors, giving an overview of the benefits of advanced biosensors over commonly practiced methods in the rapid and reliable assessment of environmental contaminants. As environmental contaminants have become one of the serious concerns in terms of their rapid growth and monitoring in the environment, which is often limited due to costly and laborious methods, this book provides a comprehensive update on their removal, the challenges they create for environmental regulatory agencies, and their diverse effects on terrestrial and aquatic environments. Provides methods for assessing and monitoring environmental contaminants Includes recent advancement in molecular techniques Outlines rapid environmental monitoring methods Explains the use of biosensors for environmental monitoring Reviews monitoring methods beyond conventional analytic techniques

Space Power Systems Engineering

Elsevier *Space Power Systems Engineering* is a collection of papers dealing with the requirements for space power systems, system design, component research, the problems of application to spacecraft, and the development of a variety of space electric power systems. Some papers discuss nuclear power systems development, including nuclear reactors, nuclear dynamic systems, nuclear thermoelectric systems, and nuclear thermionic systems. Several papers tackle solar systems development, including solar collectors, solar dynamic systems, solar thermoelectric systems, chemical fuel cell systems,

and chemical primary battery systems. A magnetohydrodynamic power system can be utilized for space electric generation. Power conversion or conditioning involves the interface between raw electric power and the on-board consumption of that electric power. One paper cites an application of a potential power system: particularly the engine development in a power package which includes a single-cylinder engine, generator, gas compressor, and recuperator. Some design considerations for the engine include an operation with an O-H mixture of 2 to 1 obtained either from supercritical tankage or in the form of helium-diluted boil-off gases; a power level of 2-kw average, 3-kw maximum; and an uninterrupted life of 350 hr. The collection can prove immensely beneficial for nuclear engineers, aeronautical engineers, chemists, researchers, or technical designers whose works are related with energy conversion and space power systems.

43 Years JEE Advanced (1978 - 2020) + JEE Main Chapterwise & Topicwise Solved Papers Chemistry 16th Edition

Disha Publications

Advanced Oxidation Processes for Water Treatment

Fundamentals and Applications

IWA Publishing Advanced Oxidation Processes (AOPs) rely on the efficient generation of reactive radical species and are increasingly attractive options for water remediation from a wide variety of organic micropollutants of human health and/or environmental concern. Advanced Oxidation Processes for Water Treatment covers the key advanced oxidation processes developed for chemical contaminant destruction in polluted water sources, some of which have been implemented successfully at water treatment plants around the world. The book is structured in two sections; the first part is dedicated to the most relevant AOPs, whereas the topics covered in the second section include the photochemistry of chemical contaminants in the aquatic environment, advanced water treatment for water reuse, implementation of advanced treatment processes for drinking water production at a state-of-the-art water treatment plant in Europe, advanced treatment of municipal and industrial wastewater, and green technologies for water remediation. The advanced oxidation processes discussed in the book cover the following aspects: - Process principles including the most recent scientific findings and interpretation. - Classes of compounds suitable to AOP treatment and examples of reaction mechanisms. - Chemical and photochemical degradation kinetics and modelling. - Water quality impact on process performance and practical considerations on process parameter selection criteria. - Process limitations and byproduct formation and strategies to mitigate any potential adverse effects on the treated water quality. - AOP equipment design and economics considerations. - Research studies and outcomes. - Case studies relevant to process implementation to water treatment. - Commercial applications. - Future research needs. Advanced Oxidation Processes for Water Treatment presents the most recent scientific and technological achievements in process understanding and implementation, and addresses to anyone interested in water remediation, including water industry professionals, consulting engineers, regulators, academics, students. Editor: Mihaela I. Stefan - Trojan Technologies - Canada

Advances in Applied Microbiology

Academic Press Advances in Applied Microbiology

1500+ MCQs with Explanatory Notes For GENERAL SCIENCE

Disha Publications The book 1500+ MCQs with Explanatory Notes For GENERAL SCIENCE has been divided into 6 chapters which have been further divided into 29 Topics containing 1500+ "Multiple Choice Questions" for Quick Revision and Practice. The Unique Selling Proposition of the book is the explanation to each and every question which provides additional info to the students on the subject of the questions and correct reasoning wherever required. The questions have been selected on the basis of the various types of questions being asked in the various exams.

Organic Lawn Care

Growing Grass the Natural Way

University of Texas Press A lush green lawn is one of the great pleasures of the natural world, whether it's right outside your front door or on a majestic fairway at a legendary golf course. But anyone who has tried to grow the perfect lawn the conventional way knows it requires an endless cycle of watering and applying synthetic fertilizers and toxic chemical pesticides that costs a lot of money and kills all the life in the soil, on the surface, and on the grass. Fortunately, there's a better way. Organic lawn care is not only healthier for the environment, it's actually cheaper and less water-intensive, whether you're managing a small yard or acres of turf. In Organic Lawn Care: Growing Grass the Natural Way, Howard Garrett, the renowned "Dirt Doctor," takes you step-by-step through creating and maintaining turf organically. He begins with the soil, showing you how to establish a healthy habitat for grass. Then he discusses a variety of turfgrasses, including Bermudagrass, bluegrass, buffalograss, fescue, ryegrass, St. Augustine, and zoysia. Garrett explains in detail how to establish and maintain a lawn, including planting, mowing, watering, fertilizing, composting, and managing weeds and pests. And he offers alternatives to lawn grasses and turf, describing the situations in which they might be your best choice. Follow the program in Organic Lawn Care, and don't be surprised when your water bill drops dramatically and your lawn or golf course is the best-looking one around.

Small-Scale Robotics From Nano-to-Millimeter-Sized Robotic Systems and Applications

First International Workshop, microICRA 2013, Karlsruhe, Germany, May 6-10, 2013, Revised and Extended Papers

Springer This book contains selected contributions from some of the most renowned researchers in the field of small-scale robotics, based in large part on invited presentations from the workshop "The Different Sizes of Small-Scale Robotics: from Nano-, to Millimeter-Sized Robotic Systems and Applications," which was held in conjunction with the International Conference on Robotics and Automation (ICRA 2013), in May 2013 in Karlsruhe, Germany. With many potential applications in areas such as medicine, manufacturing or search and rescue, small-scale robotics represent a new emerging frontier in robotics research. The aim of this book is to provide an insight to ongoing research and future directions in this novel, continuously evolving field, which lies at the intersection of engineering, computer science, material science and biology.

Oswaal 35 Years' NEET UG Solved Papers Physics, Chemistry & Biology 1988-2022 (Set of 3 books) (For 2023 Exam)

Oswaal Books and Learning Private Limited Latest NEET Question Paper 2022- Fully solved Chapter-wise & Topic-wise Previous Questions to enable quick revision Previous Years' (1988-2022) Exam Questions to facilitate focused study Mind Map: A single page snapshot of the entire chapter for longer retention Mnemonics to boost memory and confidence Revision Notes: Concept based study material Oswaal QR Codes: Easy to scan QR codes for online content Analytical Report: Unit-wise questions distribution in each subject Two SQPs based on the latest pattern Tips to crack NEET Top 50 Medical Institutes Ranks Trend Analysis: Chapter-wise

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Nutrition, Food Markets and Agriculture

Economic Issues Against the Background of Globalization

Springer Nature Today, nutrition is mainly discussed under nutritional, medical-health or ideological aspects (e.g. vegetarianism, veganism, etc.). Although the food industry represents one of the most important markets, questions of food production, agriculture, food trade and biodiversity are mostly discussed under national auspices. Not only on the producer side, but also from the consumer perspective, food markets - although still nationally structured - have become more and more global markets, which can be seen, for example, in the development of food commodity prices. In addition, large food corporations are pursuing the strategy of standardizing the entire value chains in the agricultural and food sectors - under their control, mind you. The book addresses economic issues related to food production, agriculture, food trade and biodiversity. Alternatives to traditional agriculture, factory farming, and biodiversity loss are discussed - and reflected upon from an economic perspective. Particular attention is paid to aspects of globalization. This book is a translation of the original German 1st edition Ernährung, Nahrungsmittelmärkte und Landwirtschaft by Christian J. Jäggi, published by Springer Fachmedien Wiesbaden GmbH, part of Springer Nature in 2018. The translation was done with the help of artificial intelligence (machine translation by the service DeepL.com). A subsequent human revision was done primarily in terms of content, so that the book will read stylistically differently from a conventional translation. Springer Nature works continuously to further the development of tools for the production of books and on the related technologies to support the authors.

The Handbook of Nanomedicine

Humana Press Nanomedicine is defined as the application of nanobiotechnology in clinical medicine, which is currently being used to research the pathomechanism of disease, refine molecular diagnostics, and aid in the discovery, development, and delivery of drugs. In The Handbook of Nanomedicine, Third Edition, Prof. Kewal K. Jain updates, reorganizes, and replaces information in the comprehensive second edition in order to capture the most recent advances in this dynamic field. Important components of nanomedicine such as drug delivery via nanobiotechnology and nanopharmaceuticals as well as nanooncology, where the greatest number of advances are occurring, are covered extensively. As this text is aimed at nonmedical scientists, pharmaceutical personnel, as well as physicians, descriptions of the technology involved and other medical terminology are kept as clear and simple as possible. In depth and cutting-edge, The Handbook of Nanomedicine, Third Edition informs its readers of the ever-growing field of nanomedicine, destined to play a significant role in the future of healthcare.

List of English-translated Chinese standards □GB□

English-translated Chinese standards

https://www.codeofchina.com [HTTPS://WWW.CODEOFCHINA.COM](https://www.codeofchina.com) EMAIL:COCC@CODEOFCHINA.COM "Codeofchina Inc., a part of TransForyou (Beijing) Translation Co., Ltd., is a professional Chinese code translator in China. Now, Codeofchina Inc. is running a professional Chinese code website, www.codeofchina.com. Through this website, Codeofchina Inc. provides English-translated Chinese codes to clients worldwide. About TransForyou TransForyou (Beijing) Translation Co., Ltd., established in 2003, is a reliable language service provider for clients at home and abroad. Since our establishment, TransForyou has been aiming to build up a translation brand with our professional dedicated service. Currently, TransForyou is the director of China Association of Engineering Construction Standardization (CECS); the committeeman of Localization Service Committee / Translators Association of China (TAC) and the member of Boya Translation Culture Salon (BTCS); and the field study center of the University of the University of International Business & Economics (UIBE) and Hebei University (HU). In 2016, TransForyou ranked 27th among Asian Language Service Providers by Common Sense Advisory. "

Skin, Mucosa and Menopause

Management of Clinical Issues

Springer An era of global population aging is upon us. By 2030, one in eight people will be over age 65. Since women generally live longer than men, the health and welfare of postmenopausal women will become a significant public health concern. This book offers a comprehensive review of the life changes associated with menopause, both at the dermatological and physiological level (e.g., hormonal, immunological) and at the subcellular level. It critically examines the dermatological, biological, and clinical challenges to postmenopausal health and well-being and the current and emerging therapeutic interventions. The authors advocate a holistic approach, emphasizing the need to view the menopause as a life transition with various facets rather than as a series of distinct medical conditions to be managed. Our goal is to offer a comprehensive resource to the researchers, clinicians, physicians, and helping professions whose mission is to promote the health and well-being of women around the world.

New Trends in Table Olive Fermentation, 2nd Edition

Frontiers Media SA Table olives are a traditional fermented vegetable with many centuries of history, particularly in the Mediterranean basin, where this food has had a great influence on the culture and diet of many countries. Moreover, this fermented food is prepared with fruits obtained from cultivated *Olea europaea* subsp. *europaea* var. *europaea* trees and has been expanded for many countries all over the world. At present, the table olive is one of the major fermented vegetables, with an overall production above 2,500,000 tons/year. Thus, the table olive industry is increasingly demanding new biotechnological approaches, sensory characteristics and differentiation of the products. So scientists have to focus on solving problems and providing new tools in this fermented food process. In recent years, there is an increased interest in different nutritional and microbial aspects related to table olives. During the last five years, new fields have been implemented or developed, such as new probiotic strains to produce an enriched product, study of pathogen survival, NaCl content reduction, microbial resistant to stress conditions, microbial biofilms, predictive microbiology, use of NGS and metagenomics, use of bioactive compounds derived from table olive processing and the treatment of effluents generated during olive processing. The diversity of research displayed in this Research Topic demonstrates the important potential of this product and its impact on the fermented vegetables economy.

The Facts on File Dictionary of Inorganic Chemistry

Infobase Publishing A dictionary containing over 2,000 terms and concepts related to inorganic chemistry.

Novel Materials for Dye-containing Wastewater Treatment

Springer Nature This book highlights novel materials for dye-containing wastewater treatment and presents an up-to-date information on dye degradation/adsorption using new promising materials such as nanocomposites. Development of various industrial sectors, including textile, food, paper, leather, rubber, cosmetic and printing has led to generation of wastewater which contain dye molecules as well as other inorganic and organic compounds. Considering serious health hazards and environmental damage associated with dyes in the environment, researchers and professionals have been attempting to find the most effective methods of treatment. Of late, various composites have received wide attention due to their outstanding properties in wastewater treatment, that are presented in this book.

Bioelectrochemistry Stimulated Environmental Remediation

From Bioelectrorespiration to Bioelectrodegradation

Springer This book reviews the latest advances in the bioelectrochemical degradation of recalcitrant environmental contaminants. The first part introduces readers to the basic principles and methodologies of bioelectrochemical systems, electron-respiring microorganisms, the electron transfer mechanism and functional electrode materials. In turn, the second part addresses the bioelectrochemical remediation/treatment of various environmental pollutants (including highly toxic refractory organics, heavy metals, and nitrates) in wastewater, sediment and wetlands. Reactor configuration optimization, hybrid technology amplification and enhanced removal principles and techniques are also discussed. The book offers a valuable resource for all researchers and professionals working in environmental science and engineering, bioelectrochemistry, environmental microbiology and biotechnology.

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