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ROBERSON CORDOVA

Musculoskeletal Sonography Academic Press

The first all-inclusive text on the pitfalls, complications and controversies surrounding the use of lasers in dermatology and aesthetic medicine Each chapter starts off by highlighting the key points and essential concepts, followed by a review of the associated pearls and problems Provides the reader with tips on how to improve the safe and effective use of lasers Images focus on the pearls and problems Laser Dermatology: Pearls and Problems is different from other laser dermatology books. Each of the five chapters begins by highlighting key points and essential

concepts, then focuses on the pearls and problems for each area – based on the author’s vast experience in the field of laser dermatology. Dr. Goldberg addresses: Vascular Lasers Laser Hair Removal Pigmented Lesions, Tattoos, and Disorders of Hypopigmentation Ablative Lasers and Devices Non-Ablative Photorejuvenation and Skin Remodeling Dr. Goldberg goes beyond the standard “before and after” approach to use actual images to demonstrate the pearls and pitfalls discussed in the text.

Techniques for Reanimation of the Paralyzed Face CRC Press
Handbook of Microalgal Culture is truly a landmark publication, drawing on some 50 years of worldwide experience in microalgal mass culture. This important book comprises comprehensive reviews of the current available information on microalgal culture,

written by 40 contributing authors from around the globe. The book is divided into four parts, with Part I detailing biological and environmental aspects of microalgae with reference to microalgal biotechnology and Part II looking in depth at major theories and techniques of mass cultivation. Part III comprises chapters on the economic applications of microalgae, including coverage of industrial production, the use of microalgae in human and animal nutrition and in aquaculture, in nitrogen fixation, hydrogen and methane production, and in bioremediation of polluted water. Finally, Part IV looks at new frontiers and includes chapters on genetic engineering, microalgae as platforms for recombinant proteins, bioactive chemicals, heterotrophic production, microalgae as gene-delivery systems for expressing mosquito-cidal toxins and the enhancement of marine productivity for climate stabilization and food security. Handbook of Microalgal Culture is an essential purchase for all phycologists and also those researching aquatic systems, aquaculture and plant sciences. There is also much of great use to researchers and those involved in product formulation within pharmaceutical, nutrition and food companies. Libraries in all universities and research establishments teaching and researching in chemistry, biological and pharmaceutical sciences, food sciences and nutrition, and aquaculture will need copies of this book on their shelves. Amos Richmond is at the Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Israel.

Algal Biorefinery: An Integrated Approach Electricity Made Easy By Simple Language and Copious Illustration Algae Energy Algae as a New Source of Biodiesel

Do the dead have rights? In a persuasive argument, Don Herzog

makes the case that the deceased's interests should be protected. This is a delightfully deceptive work that starts out with a simple, seemingly arcane question—can you libel or slander the dead?—and develops it outward, tackling larger and larger implications, until it ends up straddling the borders between law, culture, philosophy, and the meaning of life. A full answer to this question requires legal scholar Don Herzog to consider what tort law is actually designed to protect, what differences death makes—and what differences it doesn't—and why we value what we value. Herzog is one of those rare scholarly writers who can make the most abstract argument compelling and entertaining.

Saline Lakes John Wiley & Sons

Plant Factory: An Indoor Vertical Farming System for Efficient Quality Food Production provides information on a field that is helping to offset the threats that unusual weather and shortages of land and natural resources bring to the food supply. As alternative options are needed to ensure adequate and efficient production of food, this book represents the only available resource to take a practical approach to the planning, design, and implementation of plant factory (PF) practices to yield food crops. The PF systems described in this book are based on a plant production system with artificial (electric) lights and include case studies providing lessons learned and best practices from both industrial and crop specific programs. With insights into the economics as well as the science of PF programs, this book is ideal for those in academic as well as industrial settings. Provides full-scope insight on plant farm, from economics and planning to life-cycle assessment. Presents state-of-the-art plant farm science, written by global leaders in plant farm advancements.

Includes case-study examples to provide real-world insights

The Pursuit of Peace in a Time of Peril Wiley-Blackwell

This book elucidates on the examination technique, the sonographic changes in musculoskeletal rheumatic involvement and the ultrasound assessment of joint rheumatic diseases. The atlas is enriched with several figures, in which the US picture is compared with that of conventional radiography, CT and MRI. It provides a unique collection of black and white and color images for easy and reliable diagnosis. The book is a practice-oriented tool.

Algal Biofuels Springer Science & Business Media

This edited volume focuses on comprehensive state-of-the-art information about the practical aspects of cultivation, harvesting, biomass processing and biofuel production from algae. Chapters cover topics such as synthetic ecological engineering approaches towards sustainable production of biofuel feedstock, and algal biofuel production processes using wastewater. Readers will also discover more about the role of biotechnological engineering in improving ecophysiology, biomass and lipid yields. Particular attention is given to opportunities of commercialization of algal biofuels that provides a realistic assessment of various techno-economical aspects of pilot scale algal biofuel production. The authors also explore the pre-treatment of biomass, catalytic conversion of algal lipids and hydrothermal liquefaction with the biorefinery approach in detail. In a nut shell, this volume will provide a wealth of information based on a realistic evaluation of contemporary developments in algal biofuel research with an emphasis on pilot scale studies. Researchers studying and working in the areas of environmental science, biotechnology,

genetic engineering and biochemistry will find this work instructive and informative.

Microbial Biotechnology: Basic Research and Applications

Springer

This book addresses multiple aspects of biological clocks in prokaryotes. The first part of the book deals with the circadian clock system in cyanobacteria, i.e. the pioneer of bacterial clocks. Starting with the history and background of cyanobacteria and circadian rhythms in microorganisms, the topics range from the molecular basis, structure and evolution of the circadian clock to modelling approaches, Kai systems in cyanobacteria and biotechnological applications. In the second part, emergent timekeeping properties of bacteria in microbiomes and bacteria other than cyanobacteria are discussed. Since the discovery of circadian rhythms in cyanobacteria in the late 1980s, the field has exploded with new information. The cyanobacterial model system for studying circadian rhythms (*Synechococcus elongatus*), has allowed a detailed genetic dissection of the bacterial clock due to state-of-the-art methods in molecular, structural, and evolutionary biology. Cutting-edge research spanning from cyanobacteria and circadian phenomena in other kinds of bacteria, to microbiomes has now given the field another major boost. This book is aimed at junior and senior researchers alike. Students or researchers new to the field of biological clocks in prokaryotes will get a comprehensive overview, while more experienced researchers will get an update on the latest developments.

Algae Energy Elsevier

Measurements of variable chlorophyll fluorescence have

revolutionised global research of photosynthetic bacteria, algae and plants and in turn assessment of the status of aquatic ecosystems, a success that has partly been facilitated by the widespread commercialisation of a suite of chlorophyll fluorometers designed for almost every application in lakes, rivers and oceans. Numerous publications have been produced as researchers and assessors have simultaneously sought to optimise protocols and practices for key organisms or water bodies; however, such parallel efforts have led to difficulties in reconciling processes and patterns across the aquatic sciences. This book follows on from the first international conference on “chlorophyll fluorescence in the aquatic sciences” (AQUAFLUO 2007): to bridge the gaps between the concept, measurement and application of chlorophyll fluorescence through the synthesis and integration of current knowledge from leading researchers and assessors as well as instrument manufacturers.

Handbook of Microalgal Culture John Wiley & Sons

This book critically discusses different aspects of algal production systems and several of the drawbacks related to microalgal biomass production, namely, low biomass yield, and energy-consuming harvesting, dewatering, drying and extraction processes. These provide a background to the state-of-the-art technologies for algal cultivation, CO₂ sequestration, and large-scale application of these systems. In order to tap the commercial potential of algae, a biorefinery concept has been proposed that could help to extract maximum benefits from algal biomass. This refinery concept promotes the harvesting of multiple products from the feedstock so as to make the process economically attractive. For the last few decades, algal biomass has been

explored for use in various products such as fuel, agricultural crops, pigments and pharmaceuticals, as well as in bioremediation. To meet the huge demand, there has been a focus on large-scale production of algal biomass in closed or open photobioreactors. Different nutritional conditions for algal growth have been explored, such as photoautotrophic, heterotrophic, mixotrophic and oleaginous. This book is aimed at a wide audience, including undergraduates, postgraduates, academics, energy researchers, scientists in industry, energy specialists, policy makers and others who wish to understand algal biorefineries and also keep abreast of the latest developments.

Our Last Best Chance CABI

This book offers a comprehensive understanding of the concept and scope of the tourism industry in general and of destination marketing and management in particular. Taking an integrated and comprehensive approach, it focuses on both the macro and micro aspects of destination marketing and management. The book consists of 27 chapters presented in seven parts with the following themes: concept, scope and structure of destination marketing and management, destination planning and policy, consumer decision-making processes, destination marketing research, destination branding and positioning, destination product development and distribution, the role of emerging technologies in destination marketing, destination stakeholder management, destination safety, disaster and crisis management, destination competitiveness and sustainability, and challenges and opportunities for destination marketing and management. -- [Source inconnue].

Photosynthesis Springer Nature

The editors have gathered 15 laser experts from the United States, Europe and Asia to present the most up to date information in cutaneous laser surgery and intense pulsed light technologies. This innovative book describes new laser techniques (laserlipolysis, fractional photothermolysis, among others) and provides expert guidance on using lasers successfully in over 80 clinical indications.

Biotechnological Applications with Microalgae John Wiley & Sons
As the expansion in world aquaculture continues at a very high rate, so does the need for information on feeding of cultivated fish and shellfish. In the larval and juvenile phases of many species, the use of manufactured feed is not possible. This important book covers in detail the biology and culture of the main live prey and microalgae used as feeds in the aquaculture of major commercial species including shrimps, sea bass, halibut, cod and bivalves. Contents include comprehensive details of the status of marine aquaculture in relation to live prey, and chapters covering the biology, production, harvesting, processing and nutritional value of microalgae and the main prey species: rotifers, Artemia and copepods. The editors have drawn together an impressive international team of contributors, providing a work that is set to become the standard reference and practical guide on the subject for many years to come. Live Feeds in Marine Aquaculture is an essential purchase for anyone involved in marine aquaculture, including fish farmers, researchers, and personnel in feed and equipment companies supplying the aquaculture trade. An extremely valuable tool as a reference and practical manual for students and professionals alike; libraries in all universities and research establishments where biological and

aquatic sciences and aquaculture are studied and taught, should have copies available on their shelves.

PRAC ELECTRICITY W/QUES & ANSW Newnes

Algae Energy covers the production of algae culture and the usage of algal biomass conversion products. It also reviews modern biomass-based transportation fuels, including biodiesel, bio-oil, biomethane and biohydrogen. Each chapter opens with fundamental explanations suitable for those with a general interest in algae energy and goes on to provide in-depth scientific details for more expert readers. Algae energy is discussed within the wider context of green energy, with chapters covering topics such as: green energy facilities, algae technology, energy from algae and biodiesel from algae. Algae Energy addresses the needs of energy researchers, chemical engineers, fuel and environmental engineers, postgraduate and advanced undergraduate students, and others interested in a practical tool for pursuing their interest in bio-energy.

Freshwater Microbiology Springer

Electricity Made Easy By Simple Language and Copious Illustration
Algae Energy
Algae as a New Source of Biodiesel
Springer Science & Business Media
Emerging Eco-friendly Green Technologies for Wastewater Treatment Springer Science & Business Media
This unique textbook takes a broad look at the rapidly expanding field of freshwater microbiology. Concentrating on the interactions between viruses, bacteria, algae, fungi and micro-invertebrates, the book gives a wide biological appeal. Alongside conventional aspects such as phytoplankton characterisation, seasonal changes and nutrient cycles, the title focuses on the

dynamic and applied aspects that are not covered within the current textbooks in the field. Complete coverage of all fresh water biota from viruses to invertebrates Unique focus on microbial interactions including coverage of biofilms, important communities on all exposed rivers and lakes. New information on molecular and microscopical techniques including a study of gene exchange between bacteria in the freshwater environment. Unique emphasis on the applied aspects of freshwater microbiology with particular emphasis on biodegradation and the causes and remediation of eutrophication and algal blooms.

Algae as a New Source of Biodiesel Springer

This book assembles state-of-the-art approaches for harnessing light energy as a model to develop natural systems such as biofuels. After the basics and potential of photosynthesis of microalgae it discusses topics from engineering micro-algae towards increased photosynthetic efficiency till the optimization of photobioreactor techniques for enhanced biotechnological applications such as cyanobacteria.

An Indoor Vertical Farming System for Efficient Quality Food Production Walter de Gruyter GmbH & Co KG

This book focuses on education for environmental sustainability, in particular the area of solid waste management. Presenting the latest studies from different countries, industries and education sectors on the approaches and innovative ideas to educate future citizens regarding sustainable development of our planet, it is of interest to educators, academics, tertiary students, policy-makers, environmental scientists, social scientists and practitioners who have been involved in education, policy, science, and technological innovation for solid waste

management.

Root Physiology: from Gene to Function Yale University Press

This comprehensive reference is a state-of-the-art survey of biomass as an energy carrier for the provision of heat, electricity, and transportation fuel, considering technical, economic, environmental, and social aspects. On a global scale, biomass contributes roughly 12 to 16 % of the energy needed to cover the overall primary energy consumption. Thus far, it is humanity's most important source of renewable energy, used on practically all continents and growing in importance even in industrialized nations. With detailed coverage of the production of solid, gaseous and liquid fuels, as well as a final energy provision, this volume serves as an introduction for readers just entering the field, but also offers new insights, up-to-date information, as well as latest findings for advanced researchers, industry experts, and decision makers.

Smart Plant Factory Springer

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A Comprehensive Guide to Clinical Management Taylor & Francis US

This book offers a comprehensive overview of the surgical techniques available in reconstruction of the paralyzed face. It is

divided into six parts. The first part introduces the topic of facial palsy, and the following parts provide detailed information on facial nerve reconstruction techniques, management of eye closure and smile reanimation. The book highlights symmetrization techniques and synkinesis and presents innovations and new frontiers in facial palsy. Written by an international group of experts who are committed to maintaining high standards and service in treating this condition and improving outcomes, it is a valuable source of information for clinicians and practitioners in plastic and reconstructive surgery, neurosurgeons and oral-and-maxillofacial surgeons, but also useful for researchers in this field.

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