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DELACRUZ BERRY

Advances in Engineering Materials
Springer Nature
Encyclopedia of Renewable and Sustainable Materials provides a comprehensive overview, covering research and development on all aspects of renewable, recyclable and sustainable materials. The use of renewable and sustainable materials in building construction, the automotive sector, energy, textiles and others can create markets for agricultural products and additional revenue streams for farmers, as well as significantly reduce carbon dioxide (CO₂) emissions, manufacturing energy requirements, manufacturing costs and waste. This book provides researchers, students and professionals in materials science and engineering with tactics and information as they face increasingly complex challenges around the development, selection and use of construction and manufacturing materials. Covers a broad range of topics not available elsewhere in one resource
Arranged thematically for ease of navigation
Discusses key features on

processing, use, application and the environmental benefits of renewable and sustainable materials
Contains a special focus on sustainability that will lead to the reduction of carbon emissions and enhance protection of the natural environment with regard to sustainable materials

Index Medicus Springer Science & Business Media

This book aims to cover all aspects of teaching engineering and other technical subjects. It presents both practical matters and educational theories in a format that will be useful for both new and experienced teachers.

Additive and Subtractive Manufacturing of Composites

Springer Science & Business Media
Winner of the Management Accounting section of the American Accounting Association notable contribution to Management Accounting Literature Award
Volume One of the Handbook of Management Accounting Research series sets the context for the Handbooks, with three chapters outlining the historical development of management accounting as a discipline and as a practice in three broad geographic settings. Volume Two provides insights into research on

different management accounting practices. Volume Three features contributions from some of the most influential researchers in various areas of management accounting research, consolidates the content of volumes one and two, and concludes with examples of management accounting research from around the world. Volumes 1, 2 and 3 are also available as individual product. * ISBN Volume 1: 978-0-08-044564-9 * ISBN Volume 2: 978-0-08-044754-4 * ISBN Volume 3: 978-0-08-055450-1 * Three volumes of the popular Handbooks of Management Accounting Research series now available in one complete set * Examines particular management accounting practices and specific organizational contexts * Adopts a global perspective of management accounting practices Award: "Winner of the Management Accounting section of the American Accounting Association notable contribution to Management Accounting Literature Award." *Index-catalogue of the Library of the Surgeon General's Office, United States Army (Army Medical Library)* Springer Nature

Volume two of the Handbooks of Management Accounting Research consists of two groups of chapters. The first draw together research that has focussed on particular management accounting practices. The second set synthesise contributions to the literature that have been focussed within particular organisational contexts. Volume two concludes with a review of research on how management accounting practice and research varies around the world. Special pricing available if purchased as a set with Volume 1. Documents the scholarly management accounting literature Publishing both in print, and online

through Science Direct International in scope

Betel-quid and Areca-nut Chewing and Some Areca-nut-derived Nitrosamines John Wiley & Sons

A working group of sixteen experts from seven countries re-evaluated the evidence of the carcinogenicity of betel-quid and areca-nut chewing and some areca-nut related nitrosamines. Betel-quid and areca-nut chewing are widely practised in many parts of Asia and in Asian-migrant communities elsewhere in the world. There are hundreds of millions of users worldwide. They evaluated betel quid with tobacco as carcinogenic to humans (Group 1) on the basis of sufficient evidence of an increased risk of cancer of the oral cavity, pharynx and oesophagus. The working group reviewed epidemiological studies of human cancer, mainly studies from India, Pakistan and Taiwan (China). Studies on betel quid with tobacco and areca nut with tobacco in experimental animals now also provide sufficient evidence of carcinogenicity. The working group also evaluated betel quid without tobacco as carcinogenic to humans (Group 1), on the basis of sufficient evidence of an increased risk of oral cancer. Studies on betel quid without tobacco and areca nut without tobacco in experimental animals now also provide sufficient evidence of carcinogenicity. Areca nut, a common ingredient of betel quid and many different chewing preparations, including those available commercially, has been observed to cause oral submucous fibrosis

Practical Clinical Applications Elsevier

A handbook on polyolefins. This second edition includes new material on the structure, morphology and properties of polyolefin (PO) synthesis. It focuses on

synthetic advances, the use of additives, special coverage of PO blends, composites and fibres, and surface treatments. It also addresses the problem of interfacial and superficial phenomena.

Cognitive Neuropsychology of Alzheimer's Disease Dhanpat Rai Pub Company

Cumulated Index MedicusA Text Book of Automobile EngineeringFirewall MediaAlternative Energy and Shale Gas EncyclopediaJohn Wiley & Sons Teaching Engineering CRC Press

The book focuses the latest endeavours relating researches and developments conducted in fields of Control, Robotics and Automation. Through more than ten revised and extended articles, the present book aims to provide the most up-to-date state-of-art of the aforementioned fields allowing researcher, PhD students and engineers not only updating their knowledge but also benefiting from the source of inspiration that represents the set of selected articles of the book. The deliberate intention of editors to cover as well theoretical facets of those fields as their practical accomplishments and implementations offers the benefit of gathering in a same volume a factual and well-balanced prospect of nowadays research in those topics. A special attention toward "Intelligent Robots and Control" may characterize another benefit of this book.

Select Proceedings of FLAME 2020 Elsevier

This book presents select proceedings of the International Conference on Future Learning Aspects of Mechanical Engineering (FLAME 2020). This book, in particular, focuses on characterizing materials using novel techniques. It covers a variety of advanced materials,

viz. composites, coatings, nanomaterials, materials for fuel cells, biomaterials among others. The book also discusses advanced characterization techniques like X-ray photoelectron, UV spectroscopy, scanning electron, atomic power, transmission electron and laser confocal scanning fluorescence microscopy, and gel electrophoresis chromatography. This book gives the readers an insight into advanced material processes and characterizations with special emphasis on nanotechnology.

The Biology and Behavioral Basis for Smoking-attributable Disease : a Report of the Surgeon General Springer

This book constitutes the refereed proceedings of the International Conference on Advances in Information Technology and Mobile Communication, AIM 2011, held at Nagpur, India, in April 2011. The 31 revised full papers presented together with 27 short papers and 34 poster papers were carefully reviewed and selected from 313 submissions. The papers cover all current issues in theory, practices, and applications of Information Technology, Computer and Mobile Communication Technology and related topics.

Handbooks of Management Accounting Research 3-Volume Set Cambridge University Press

Now in its second edition, this book focuses on practical algorithms for mining data from even the largest datasets.

Why Developing Countries Need More Large Firms Springer

This open access book is an outcome of the collaboration between the Soil and Water Management & Crop Nutrition Section, Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, Department of Nuclear

Sciences and Applications, International Atomic Energy Agency (IAEA), Vienna, Austria, and Dr. Shabbir A Shahid, Senior Salinity Management Expert, Freelancer based in United Arab Emirates. The objective of this book is to develop protocols for salinity and sodicity assessment and develop mitigation and adaptation measures to use saline and sodic soils sustainably. The focus is on important issues related to salinity and sodicity and to describe these in an easy and user friendly way. The information has been compiled from the latest published literature and from the authors' publications specific to the subject matter. The book consists of six chapters. Chapter 1 introduces the terms salinity and sodicity and describes various salinity classification systems commonly used around the world. Chapter 2 reviews global distribution of salinization and socioeconomic aspects related to salinity and crop production. Chapter 3 covers comprehensively salinity and sodicity adaptation and mitigation options including physical, chemical, hydrological and biological methods. Chapter 4 discusses the efforts that have been made to demonstrate the development of soil salinity zones under different irrigation systems. Chapter 5 discusses the quality of irrigation water, boron toxicity and relative tolerance to boron, the effects of chlorides on crops. Chapter 6 introduces the role of nuclear techniques in saline agriculture.

Technical Basis of Radiation Therapy

Firewall Media

Initially, the only electric loads encountered in an automobile were for lighting and the starter motor. Today, demands on performance, safety, emissions, comfort, convenience, entertainment, and communications

have seen the working-in of seemingly innumerable advanced electronic devices. Consequently, vehicle electric systems require larger capacities and more complex configurations to deal with these demands. Covering applications in conventional, hybrid-electric, and electric vehicles, the Handbook of Automotive Power Electronics and Motor Drives provides a comprehensive reference for automotive electrical systems. This authoritative handbook features contributions from an outstanding international panel of experts from industry and academia, highlighting existing and emerging technologies. Divided into five parts, the Handbook of Automotive Power Electronics and Motor Drives offers an overview of automotive power systems, discusses semiconductor devices, sensors, and other components, explains different power electronic converters, examines electric machines and associated drives, and details various advanced electrical loads as well as battery technology for automobile applications. As we seek to answer the call for safer, more efficient, and lower-emission vehicles from regulators and consumer insistence on better performance, comfort, and entertainment, the technologies outlined in this book are vital for engineering advanced vehicles that will satisfy these criteria.

International Conference, AIM 2011, Nagpur, Maharashtra, India, April 21-22, 2011, Proceedings CRC Press
Previous ed. published as: Cognitive neuropsychology of Alzheimer-type dementia. 1996.

Nanotechnology in the Automotive Industry Oxford University Press

This book describes crucial aspects related to the additive and subtractive

manufacturing of different composites. The first half of this book mainly deals with the various types of composite fabrication methods along with the introduction, features and mechanisms and also the processing of composite materials via additive manufacturing route. Also, the thermal, mechanical, physical and chemical properties relevant to the processing of composite materials are included in the chapters. The second half of this book primarily demonstrates an extensive section on the different types of additive manufacturing processes like selective laser sintering, selective laser melting, stereolithography, fused deposition modeling and material jetting used to fabricate the metals and polymers. Also, the chapters address the complete description of fabrication processes for metal matrix composites and polymer matrix composites. Moreover, the different methods adopted such as short peening, micro-machining, heat-treatment and solution treatment to improve the surface improvement are well discussed. This book gives many helps to researchers and students in the fields of the additive and subtractive manufacturing of different composites.

Handbook of Automotive Power Electronics and Motor Drives Purdue University Press

"Collection of incunabula and early medical prints in the library of the Surgeon-general's office, U.S. Army": Ser. 3, v. 10, p. 1415-1436.

Information Technology and Mobile Communication Springer Nature

This open access book presents the first comprehensive overview of general methods in Automated Machine Learning (AutoML), collects descriptions of existing systems based on these methods, and discusses the first series

of international challenges of AutoML systems. The recent success of commercial ML applications and the rapid growth of the field has created a high demand for off-the-shelf ML methods that can be used easily and without expert knowledge. However, many of the recent machine learning successes crucially rely on human experts, who manually select appropriate ML architectures (deep learning architectures or more traditional ML workflows) and their hyperparameters. To overcome this problem, the field of AutoML targets a progressive automation of machine learning, based on principles from optimization and machine learning itself. This book serves as a point of entry into this quickly-developing field for researchers and advanced students alike, as well as providing a reference for practitioners aiming to use AutoML in their work.

Proceedings of ICMDE 2020, Volume 1 Academic Press

This book gathers selected high-quality research papers from the International Conference on Computational Methods and Data Engineering (ICMDE 2020), held at SRM University, Sonapat, Delhi-NCR, India. Focusing on cutting-edge technologies and the most dynamic areas of computational intelligence and data engineering, the respective contributions address topics including collective intelligence, intelligent transportation systems, fuzzy systems, data privacy and security, data mining, data warehousing, big data analytics, cloud computing, natural language processing, swarm intelligence, and speech processing.

Handbook of Polyolefins Springer

This book presents current understanding of the importance of

modern immunology in the etiopathogenesis of human diseases and explores how this understanding is impacting on diagnosis, prognosis, treatment, and prophylaxis. As the core of modern immunology, the “danger/injury model” is introduced and addressed throughout the book. Volume I of the book describes the network of damage-associated molecular pattern molecules (DAMPs) and examines the central role of DAMPs in cellular stress responses and associated regulated cell death, the promotion and resolution of inflammation, the activation of innate lymphoid cells and unconventional T cells, the stimulation of adaptive immunity, and tissue repair. The significance of DAMPs in a wide range of human diseases will then be explored in Volume II of the book, with discussion of the implications of injury-induced innate immunity for present and future treatments. This book is written for professionals from all medical and paramedical disciplines who are interested in the introduction of innovative data from immunity and inflammation research into clinical practice. The readership will include practitioners and clinicians such as hematologists, rheumatologists, traumatologists, oncologists, intensive care anesthetists, endocrinologists such as diabetologists, psychiatrists, neurologists, pharmacists, and transplantologists.

Basic Automobile Engineering

Cumulated Index Medicus
A Text Book of Automobile Engineering

Economic and social progress requires a diverse ecosystem of firms that play complementary roles. Making It Big: Why Developing Countries Need More Large Firms constitutes one of the most up-to-date assessments of how large firms are

created in low- and middle-income countries and their role in development. It argues that large firms advance a range of development objectives in ways that other firms do not: large firms are more likely to innovate, export, and offer training and are more likely to adopt international standards of quality, among other contributions. Their particularities are closely associated with productivity advantages and translate into improved outcomes not only for their owners but also for their workers and for smaller enterprises in their value chains. The challenge for economic development, however, is that production does not reach economic scale in low- and middle-income countries. Why are large firms scarcer in developing countries? Drawing on a rare set of data from public and private sources, as well as proprietary data from the International Finance Corporation and case studies, this book shows that large firms are often born large—or with the attributes of largeness. In other words, what is distinct about them is often in place from day one of their operations. To fill the “missing top” of the firm-size distribution with additional large firms, governments should support the creation of such firms by opening markets to greater competition. In low-income countries, this objective can be achieved through simple policy reorientation, such as breaking oligopolies, removing unnecessary restrictions to international trade and investment, and establishing strong rules to prevent the abuse of market power. Governments should also strive to ensure that private actors have the skills, technology, intelligence, infrastructure, and finance they need to create large ventures. Additionally, they should actively work to spread the

benefits from production at scale across the largest possible number of market participants. This book seeks to bring frontier thinking and evidence on the

role and origins of large firms to a wide range of readers, including academics, development practitioners and policy makers.