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CONRAD HART

The Constitutional History of Macau

Springer Nature
This book reviews the latest developments and applications of

nanozymes in environmental science. Protection of the environment is essential because pollution has become a global problem with many adverse effects on life and ecosystems. For that, remediation strategies and

techniques have been designed, yet they are limited. Here, the recent development of nanotechnology opens a new vista for environmental remediation. In particular, nanomaterials displaying enzyme-like activities, named 'nanozymes', appear very promising for environmental monitoring, contaminant detection, microbial management, and degradation of organic pollutants. Nanomaterials including metallic, metal oxides and carbon-based nanoparticles with nanozymes activities have been synthesized. These nanozymes have similar activities as natural peroxidase, oxidase, superoxide

dismutase and catalase enzymes. Nanozymes have several advantages, yet they suffer from several limitations such as low catalytic efficiency, less substrate selectivity, biocompatibility, and lack of engineering of the active sites. *God's Rule* Springer This book addresses "phyto-microbiome mediated stress regulation". Fundamentally speaking, the microbial community's importance for the survival of plants under stress conditions has already been confirmed. This book focuses on the roles of those rhizospheric microbiomes that are advantageous to plant developmental pathways. Gathering contributions by

authors with specialized expertise in plant growth and health under stress conditions, as well as opportunistic pathogenic bacteria, the book reviews the functional aspects of rhizospheric microorganisms and how they impact plant health and disease. It offers a compendium of plant and microbial interactions at the level of multitrophic interactions, and identifies gaps between future demand and present research on plant stress. In closing, the authors highlight several directions for reshaping rhizosphere microbiomes in favor of microorganisms that are beneficial to plant growth and health.

Food Processing By-Products and their

Utilization Penguin Books India

This book provides a comprehensive overview of the recent trends in various Nanotechnology-based therapeutics and challenges associated with its development. Nanobiotechnology is an interdisciplinary research that has wide applications in the various fields of biomedical research. The book discusses the various facets of the application of Nanotechnology in drug delivery, clinical diagnostics, Nanomedicine and treatment of infectious and chronic diseases. The book also highlights the recent advancements on important devices and applications that are based on Nanotechnology in

medicine and brief the regulatory and ethical issues related to nanomedical devices. It also reviews the toxicological profile of various nanomaterials and emphasizes the need for safe nanomaterials for clinical use. Finally, the book discusses the recent developments of potential commercial applications of Nanotechnology.

Advances in Intelligent Computing and Communication

Springer

With international attention focused on Hong Kong, many forget that Macau also exists in a delicate 'one country, two systems' (OCTS) balance with mainland China. This book provides insights into

the circumstances surrounding the less-understood half of China's OCTS policy, including the stagnation of representational government, and the location of any Macau characteristics in the Macau Basic Law. Despite being Hong Kong's sister 'Special Administrative Region' (SAR) within the People's Republic of China, Macau's unique constitutional development under Portuguese and Chinese administration remains under-appreciated despite its potential contributions to local, national, and international constitutional discourse. Utilizing a multi-disciplinary approach including doctrinal, historical, and comparative

methodologies, this work fills that gap. The research blends Portuguese, Chinese, and foreign-language sources in order to reconstruct a balanced constitutional narrative. The book focuses on a consequential effect of globalization – that is, the assimilation of a longstanding and unique constitutional order by a new hegemonic sovereign – including processes for internationalization as China opened up, legal harmonization of two distinct legal and socioeconomic orders, juridification of local affairs with the establishment of a new local court system in preparation for handover to the Chinese regime, and democratization (or the lack thereof) among

the various communities comprising the Macanese polity before and since. Focusing on Macau’s unique development at the crux of European and Chinese empires, and the role it plays as a mirror for Chinese intentions vis-a-vis Hong Kong today, the book will be of interest to those working in Constitutional Law, Politics and History.

Selected Poems

Academic Press

Chapters: Description

of Valdres, Norway;

Bygdelag Movement,

The Valdris Samband,

Member of the Valdris

Samband, Valdres in

the World War, Some

document and

selections by members

in America.

Third International Conference, ICAICR 2019, Shimla, India,

**June 15-16, 2019,
Revised Selected
Papers, Part I**

Columbia University
Press

This two-volume set (CCIS 1075 and CCIS 1076) constitutes the refereed proceedings of the Third International Conference on Advanced Informatics for Computing Research, ICAICR 2019, held in Shimla, India, in June 2019. The 78 revised full papers presented were carefully reviewed and selected from 382 submissions. The papers are organized in topical sections on computing methodologies; hardware; information systems; networks; software and its engineering.

Advanced Informatics
for Computing

Research CRC Press

The poems of Rabindranath Tagore (1861-1941) are among the most haunting and tender in Indian and in world literature, expressing a profound and passionate human yearning. His ceaselessly inventive works deal with such subjects as the interplay between God and the world, the eternal and transient, and with the paradox of an endlessly changing universe that is in tune with unchanging harmonies. Poems such as 'Earth' and 'In the Eyes of a Peacock' present a picture of natural processes unaffected by human concerns, while others, as in 'Recovery - 14', convey the poet's bewilderment about his

place in the world. And exuberant works such as 'New Rain' and 'Grandfather's Holiday' describe Tagore's sheer joy at the glories of nature or simply in watching a grandchild play.

Deliberate Acts

Springer Nature Unwritten Literature of Hawaii: The Sacred Songs of the Hula (1909) is a collection of hulas and essays by Nathaniel B. Emerson. Translating previously unwritten songs, interviewing native Hawaiians, and consulting the works of indigenous historians, Emerson provides an entertaining and authoritative look at one of Hawaii's most cherished traditions. "For an account of the first hula we may look to the story of Pele. On one occasion that

goddess begged her sisters to dance and sing before her, but they all excused themselves, saying they did not know the art. At that moment in came little Hiiaka, the youngest and the favorite. [...] When banteringly invited to dance, to the surprise of all, Hiiaka modestly complied. The wave-beaten sand-beach was her floor, the open air her hall; Feet and hands and swaying form kept time to her improvisation." As an American born in Hawaii who played a major role in the annexation of the islands as an author of the 1887 Constitution of the Hawaiian Kingdom, Emerson likely saw himself as a unifying figure capable of interpreting for an English-speaking

audience the ancient and sacred tradition of the hula, a Polynesian dance often accompanied with instruments and chanting or singing. Combining critical analysis with samples of popular hulas in both Hawaiian and English, Emerson works to preserve part of the rich cultural heritage of the Hawaiian Islands. With a beautifully designed cover and professionally typeset manuscript, this edition of Nathaniel B. Emerson's *Unwritten Literature of Hawaii: The Sacred Songs of the Hula* is a classic of Hawaiian literature reimagined for modern readers.

[The Valdris Book](#)
Springer Nature
This book presents a unique collection of up-

to-date applications of graphene for water science. Because water is an invaluable resource and the intelligent use and maintenance of water supplies is one of the most important and crucial challenges that stand before mankind, new technologies are constantly being sought to lower the cost and footprint of processes that make use of water resources as potable water as well as water for agriculture and industry, which are always in desperate demand. Much research is focused on graphene for different water treatment uses. Graphene, whose discovery won the 2010 Nobel Prize in physics, has been a shining star in the material science in the

past few years. Owing to its interesting electrical, optical, mechanical and chemical properties, graphene has found potential applications in a wide range of areas, including water purification technology. A new type of graphene-based filter could be the key to managing the global water crisis. According to the World Economic Forum's Global Risks Report, lack of access to safe, clean water is the biggest risk to society over the coming decade. Yet some of these risks could be mitigated by the development of this filter, which is so strong and stable that it can be used for extended periods in the harshest corrosive environments, and with less maintenance than

other filters on the market. The graphene-based filter could be used to filter chemicals, viruses, or bacteria from a range of liquids. It could be used to purify water, dairy products or wine, or in the production of pharmaceuticals. This book provides practical information to all those who are involved in this field.

Featuring a Special History of the World's Greatest War by S.J. Duncan-Clark ...

Accompanied by about 75 Maps ... from the Latest Federal, State and Transportation Surveys, Over 100,000 Indexed Place Names, with Their Populations, and Much Valuable Statistical Information, Making

**a Complete
Compendium of
Geography ... All
Fully Indexed**

Postharvest Disinfection of Fruits and Vegetables
An improved understanding of the interactions between nanoparticles and plant retorts, including their uptake, localization, and activity, could revolutionize crop production through increased disease resistance, nutrient utilization, and crop yield. This may further impact other agricultural and industrial processes that are based on plant crops. This two-volume book analyses the key processes involved in the nanoparticle delivery to plants and details the interactions between plants and nanomaterials.

Potential plant nanotechnology applications for enhanced nutrient uptake, increased crop productivity and plant disease management are evaluated with careful consideration regarding safe use, social acceptance and ecological impact of these technologies. Plant Nanobionics: Volume 1, Advances in the Understanding of Nanomaterials Research and Applications begins the discussion of nanotechnology applications in plants with the characterization and nanosynthesis of various microbes and covers the mechanisms and etiology of nanostructure function in microbial cells. It focuses on the

potential alteration of plant production systems through the controlled release of agrochemicals and targeted delivery of biomolecules. Industrial and medical applications are included. Volume 2 continues this discussion with a focus on biosynthesis and toxicity.

Proceedings of ICAC 2019 Royal Society of Chemistry

This book discusses the ability of nanomaterials to protect crop-plant and animal health, increase production, and enhance the quality of food and other agricultural products. It explores the use of targeted delivery and slow-release agrochemicals to reduce the damage to non-target organisms and the

quantity released into the soil and water, as well as nanotechnology-derived tools in the field of plant and animal genetic improvement. It also addresses future applications of nanotechnology in sustainable agriculture and the legislative regulation and safety evaluation of nanomaterials. The book highlights the recent advances made in nanotechnology and its contribution towards an eco-friendly approach in agriculture.

Rhizobium Biology and Biotechnology
BRILL

This book focuses on the widely used experimental techniques available for the structural, morphological, and

spectroscopic characterization of materials. Recent developments in a wide range of experimental techniques and their application to the quantification of materials properties are an essential side of this book. Moreover, it provides concise but thorough coverage of the practical and theoretical aspects of the analytical techniques used to characterize a wide variety of functional nanomaterials. The book provides an overview of widely used characterization techniques for a broad audience: from beginners and graduate students, to advanced specialists in both academia and industry.

My Vibrant Planet- 1

Amity University Press

This book was first published in 1991. It considers the concepts and theories relating to mostly aqueous systems of activity coefficients.

One Hundred Eighty Landings of United States Marines, 1800-1934 Springer

Nature

This book focuses on advances made in both materials science and scaffold development techniques, paying close attention to the latest and state-of-the-art research. Chapters delve into a sweeping variety of specific materials categories, from composite materials to bioactive ceramics, exploring how these materials are specifically designed for regenerative engineering

applications. Also included are unique chapters on biologically-derived scaffolding, along with 3D printing technology for regenerative engineering. Features: Covers the latest developments in advanced materials for regenerative engineering and medicine. Each chapter is written by world class researchers in various aspects of this medical technology. Provides unique coverage of biologically derived scaffolding. Includes separate chapter on how 3D printing technology is related to regenerative engineering. Includes extensive references at the end of each chapter to enhance further study.

Parliamentary Diplomacy of Taiwan in

Comparative Perspective Springer Food Processing By-Products and their Utilization An in-depth look at the economic and environmental benefits that food companies can achieve—and the challenges and opportunities they may face—by utilizing food processing by-products Food Processing By-Products and their Utilization is the first book dedicated to food processing by-products and their utilization in a broad spectrum. It provides a comprehensive overview on food processing by-products and their utilization as source of novel functional ingredients. It discusses food groups, including cereals, pulses, fruits, vegetables, meat,

dairy, marine, sugarcane, winery, and plantation by-products; addresses processing challenges relevant to food by-products; and delivers insight into the current state of art and emerging technologies to extract valuable phytochemicals from food processing by-products. Food Processing By-Products and their Utilization offers in-depth chapter coverage of fruit processing by-products; the application of food by-products in medical and pharmaceutical industries; prebiotics and dietary fibers from food processing by-products; bioactive compounds and their health effects from honey processing industries; advances in milk fractionation for value addition; seafood

by-products in applications of biomedicine and cosmeticals; food industry by-products as nutrient replacements in aquaculture diets and agricultural crops; regulatory and legislative issues for food waste utilization; and much more. The first reference text to bring together essential information on the processing technology and incorporation of by-products into various food applications Concentrates on the challenges and opportunities for utilizing by-products, including many novel and potential uses for the by-products and waste materials generated by food processing Focuses on the nutritional composition and

biochemistry of by-products, which are key to establishing their functional health benefits as foods Part of the "IFST Advances in Food Science" series, co-published with the Institute of Food Science and Technology (UK) This book serves as a comprehensive reference for students, educators, researchers, food processors, and industry personnel looking for up-to-date insight into the field. Additionally, the covered range of techniques for by-product utilization will provide engineers and scientists working in the food industry with a valuable resource for their work.

My Vibrant Planet 3
Springer

This book features high-quality research

papers presented at the 2nd International Conference on Intelligent Computing and Advances in Communication (ICAC 2019), held at Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar, Odisha, India, in November 2019. Covering a wide variety of topics, including management of clean and smart energy systems and environmental challenges, it is a valuable resource for researchers and practicing engineers working in various fields of renewable energy generation, and clean and smart energy management. [A New Generation Material Graphene: Applications in Water Technology](#) Springer Nature

Nanotechnology is considered as one of the emerging fields of science. It has applications in different biological and technological fields which deal with the science of materials at nanoscale (10⁻⁹). On the other hand, biotechnology is another field that deals with contemporary challenges.

Nanobiotechnology fills the gap between these two fields. It merges physical, chemical, and biological principles in a single realm. This combination opens up new possibilities. At nanoscale dimensions, it creates precise nanocrystals and nanoshells. Integrated nanomaterials are used with modified surface layers for compatibility with living systems, improved dissolution in

water, or biorecognition leading to enhanced end results in biotechnological systems. These nanoparticles can also be hybridized with additional biocompatible substances in order to amend their qualities to inculcate novel utilities.

Nanobiotechnology is used in bioconjugate chemistry by coalescing up the functionality of non-organically obtained molecular components and biological molecules in order to veil the immunogenic moieties for targeted drug delivery, bioimaging and biosensing. This book blends the science of biology, medicine, bioinorganic chemistry, bioorganic chemistry,

material and physical sciences, biomedical engineering, electrical, mechanical, and chemical science to present a comprehensive range of advancements. The development of nano-based materials has made for a greater understanding of their characterization, using techniques such as transmission electron microscope, FTIR, X-ray diffraction, scanning electron microscope EDX, and so on. This volume also highlights uses in environmental remediation, environmental biosensors and environmental protection. It also emphasizes the significance of nanobiotechnology to a series of medical applications viz., diagnostics, and

therapeutics stem cell technology, tissue engineering enzyme engineering, drug development and delivery. In addition this book also offers a distinctive understanding of nanobiotechnology from researchers and educators and gives a comprehensive facility for future developments and current applications of nanobiotechnology.

Structure, Fabrication and Application Policy Press

On the Potuguese in India.

NanoBioMedicine

Springer Nature

This book highlights the implications of nanotechnology in plant sciences, particularly its potential to improve food and agricultural

systems, through innovative, eco-friendly approaches, and as a result to increase plant productivity. Topics include various aspects of nanomaterials: biophysical and biochemical properties; methods of treatment, detection and quantification; methods of quantifying the uptake of nanomaterials and their translocation and accumulation in plants. In addition, the effects on plant growth and development, the role of nanoparticles in changes in gene and protein expression, and delivery of genetic materials for genetic improvement are discussed. It also explores how nanotechnology can improve plant protection and plant nutrition, and

addresses concerns about using nanoparticles and their compliances. This book provides a comprehensive overview of the application potential of nanoparticles in plant science and serves as a valuable resource for students, teachers, researchers and professionals working on nanotechnology. [Against Isolation and Under-representation](#)
Springer
Introduction: The question and its context -- Currents of history -- Oraibi society in the late nineteenth century -- From Oraibi to Bacavi -- Demography, human geography, and economy -- Kinship and social structure -- Ritual, politics, and some broader contexts -- Hopi analysis and

anthropological
analysis -- Intentional
actors and
sociocultural
interpretation --
Appendixes:
Commissioner Leupp's
program for dealing
with the existing Hopi
troubles -- Letter from
Reuben J. Perry to the
commissioner of Indian

Affairs, 11-17-1906 --
Agreement signed by
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Oraibi -- Letter from
Horton H. Miller to the
commissioner of Indian
Affairs, 11-12-1909 --
Telegram from Horton
H. Miller to the
Commissioner of Indian
Affairs, 12-4-1909.