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New and Future Developments in Microbial Biotechnology and Bioengineering: Microbial Biofilms
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Agro-Industrial Wastes as Feedstock for Enzyme Production
Advances in Biodegradation and Bioremediation of Industrial Waste
Mass Communication in India, Fifth Edition
Host Bibliographic Record for Boundwith Item Barcode 30112044654090 and Others
Fundamental Principles of Bacteriology
World Who Is Who and Does What in Environment and Conservation
Advanced Numerical Methods for Differential Equations
A Hindu Education
Textbook of Biochemistry for Medical Students
Emerging Nanotechnologies for Water Treatment

All the Mathematics You Missed
In Silico Approach for Sustainable Agriculture

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University Varanasi*

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LIZETH GRAHAM

New and Future Developments in Microbial Biotechnology and Bioengineering: Microbial Biofilms Elsevier
Peter Gottschalk offers a compelling study of how, through the British implementation of scientific taxonomy in the subcontinent, Britons and Indians identified an inherent divide between mutually antagonistic religious communities. England's ascent to power coincided with the rise of empirical science as an authoritative way of knowing not only the natural world, but the human one as well. The British scientific passion for classification, combined with the Christian impulse to differentiate people according to religion, led to a designation of Indians as either Hindu or Muslim according to rigidly defined criteria that paralleled classification in botanical and zoological taxonomies. Through an historical and ethnographic study of the north Indian village of Chainpur, Gottschalk shows that the Britons' presumed categories did not necessarily reflect the Indians' concepts of their own identities, though many Indians came to embrace this scientism and gradually accepted the categories the British instituted through projects like the Census of India, the Archaeological Survey of India, and the India Museum. Today's propagators of Hindu-Muslim violence often cite scientific formulations of difference that descend directly from the categories introduced by imperial Britain. Religion, Science, and Empire will be a valuable resource to anyone interested in the colonial and postcolonial history of religion in India.
Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations for 2016 Academic Press
Snustad's 6th edition of Principles of Genetics offers many new and advanced features including boxed sections with the latest advances in Genetics, a streamlined roster of topics, a more reader-friendly layout, and new problem-solving supplements. Furthermore, this new edition includes more problem solving within each chapter through the Test Your Problem Solving Skills feature and a Solve It icon to prompt readers to go online to

WileyPlus for animated tutorials. A new one-column design better showcases important pieces of art and avoids the "overwhelmed" reaction readers have to the crowded layouts found in many other texts. Boxed sections reduce in size to help maintain the flow of the text and the Focus On boxes are revised to include the most current developments in genetics as well as most relevant topics.
Ancient Glass of South Asia Wiley

Benaras Hindu University has drawn immense public attention of late. The widely prevailed notion that its founder was only one charismatic person, Pandit Madan Mohan Malaviya has now been legitimized by decorating him (posthumously) with Bharat Ratna, the country's highest civilian honour. Nothing can be farther from the truth. The documents unearthed almost a century after the creation of B.H.U. vividly reveal his status and role in the Committee for the Establishment of Benaras Hindu University. Malviya can be considered, at best, simply as one along with Mrs. Annie Besant, Sir Sundar Lal under the leadership of the then Maharaja of Darbhanga, Sir Rameshwara Singh, who led the movement for the establishment of the first denominational university in India. These historical documents present evidence of how and by whom the colonial power was successfully persuaded to inaugurate a new chapter of India's cultural history by yielding to the mission of establishing the first private university in the country.

New trends in natural product research for inflammatory and infectious diseases Envins Press

Contamination of Water: Health Risk Assessment and Treatment Strategies takes an interconnected look at various pollutants, sources of contamination, the effects of contamination on aquatic ecosystems and human health, and potential mitigation strategies. The book begins by examining the sources of potential contamination, including the current scenario of dyes, heavy metals, pesticides and oils contamination as well as regions impacted due to industrialization, mining or urbanization. It then analyzes various methods of water contamination, assesses health risk and adverse effects on those impacted, and concludes with an exploration of efficient, low-cost treatment technologies that remove toxic pollutants from the water. This book

incorporates both theoretical and practical information that will be useful for researchers, professors, graduate students and professionals working on water contamination, environmental and health impacts, and the management and treatment of water resources. Provides practical case studies of various types of contamination and sources in different regions Offers an overview of inorganic and organic contaminants and their impact on human health Evaluates several low-cost, efficient and effective water treatment technologies to remove toxins from water and minimize risk

Neurotropic Viral Infections Springer

Practicing evidenced-based medicine some 25 centuries ago, Hippocrates proclaimed "Let food be thy medicine and medicine be thy food." This advice parallels the common American saying, "You are what you eat," and is supported by a National Institute of Health recommendation to consume as many as eight servings of fruits and vegetables daily to prevent

Towards Success Oxford University Press

New and Future Developments in Microbial Biotechnology and Bioengineering: Microbial Biofilms is divided into three sections: microbial adhesion/biofilms in medical settings, microbial adhesion/biofilms in agriculture, and microbial adhesion/biofilm in the environment and industry. Chapters cover adhesion and biofilm formation by pathogenic microbes on tissue and on indwelling medical devices, including sections on human infections, microbial communication during biofilm mode of growth, host defense and antimicrobial resistance, and more. Other sections cover the biofilms of agriculturally important and environmental friendly microbes, including biofilm formation on plants, in soil, and in aquatic environments. Finally, the latest scientific research on microbial adhesion and biofilm formation in the environment and in industry is covered. Provides an overview on the growth, structure, cell-to-cell interactions, and control/dispersal of bacterial and fungal of in vitro and in vivo biofilms Presents an overview on the microbial adhesion, biofilm formation and structures of single-species and multi-species biofilms on human tissues/medical devices, agriculture, environment and chemical industries Includes chapters on

microbial biofilms of pathogenic microbes on human tissues and in medical indwelling devices Covers factors affecting microbial biofilm, adhesion and formation

University of Delhi (DU) M.A. English Entrance Test Guide □□□□□□□□□□

Qaidu (1236-1301), one of the great rebels in the history of the Mongol Empire, was the grandson of Ogedei, the son Genghis Khan had chosen to be his heir. This boof recounts the dynastic convolutions and power struggle leading up to his rebellion and subsequent events.

Religion, Science, and Empire CRC Press

Addresses a Global Challenge to Sustainable Development
Advances in Biodegradation and Bioremediation of Industrial Waste examines and compiles the latest information on the industrial waste biodegradation process and provides a comprehensive review. Dedicated to reducing pollutants generated by agriculturally contaminated soil, and plastic waste from various industries, this text is a book that begs the question: Is a pollution-free environment possible? The book combines with current available data with the expert knowledge of specialists from around the world to evaluate various aspects of environmental microbiology and biotechnology. It emphasizes the role of different bioreactors for the treatment of complex industrial waste and provides specific chapters on bioreactors and membrane process integrated with biodegradation process. It also places special emphasis on phytoremediation and the role of wetland plant rhizosphere bacterial ecology and the bioremediation of complex industrial wastewater. The authors address the microbiological, biochemical, and molecular aspects of biodegradation and bioremediation which cover numerous topics, including microbial genomics and proteomics for the bioremediation of industrial waste. This text contains 14 chapters and covers: Bioprocess engineering and mathematical modelling with a focus on environmental engineering The roles of siderophores and the rhizosphere bacterial community for phytoremediation of heavy metals Current advances in phytoremediation, especially as it relates to the mechanism of phytoremediation of soil polluted with heavy metals Microbial degradation of aromatic compounds and pesticides: Challenges and solution Bioremediation of hydrocarbon contaminated wastewater of refinery plants The role of biosurfactants for

bioremediation and biodegradation of various pollutants discharged from industrial waste as they are tools of biotechnology The role of potential microbial enzymatic processes for bioremediation of industrial waste The latest knowledge regarding the biodegradation of tannery and textile waste A resource for students interested in the field of environment, microbiology, industrial engineering, biotechnology, botany, and agricultural sciences, *Advances in Biodegradation and Bioremediation of Industrial Waste* provides recent knowledge and approaches on the bioremediation of complex industrial waste.

Pollutants and Water Management Routledge

'Towards Success' is a book that deals with the mental growth of human beings. It's about transformation of the soul, a journey towards success. With simple changes in one's thought process, one can uplift one's soul and be lead towards ultimate success. Every success and happiness depends upon one's thought process. This is a self help book that targets everything that happens when you are in a negative or passive state of mind to regulate and redirect your energy in a positive way. All the chapters are followed by simple exercises through which a person can practice being more positive in life. These are simple steps that can help you lead a successful, happy and prosperous life.

Notch Signaling in Embryology and Cancer CRC Press

Mathematical models are used to convert real-life problems using mathematical concepts and language. These models are governed by differential equations whose solutions make it easy to understand real-life problems and can be applied to engineering and science disciplines. This book presents numerical methods for solving various mathematical models. This book offers real-life applications, includes research problems on numerical treatment, and shows how to develop the numerical methods for solving problems. The book also covers theory and applications in engineering and science. Engineers, mathematicians, scientists, and researchers working on real-life mathematical problems will find this book useful.

Resveratrol in Health and Disease Springer

This book provides a comprehensive research on Ancient Indian glass. The contributors include experienced archaeologists of South Asian glass and archaeological chemists with expertise in the chemical analysis of glass, besides, established

ethnohistorians and ethnoarchaeologists. It is comprised of five sections, and each section discusses different aspects of glass study: the origin of glass and its evolution, its scientific study and its care, ancient glass in literature and glass ethnography, glass in South Asia and the diffusion of glass in different parts of the world. The topic covered by the different chapters ranges from the development of faience, to the techniques developed for the manufacture of glass beads, glass bangles or glass mirrors at different times in south Asia, a major glass producing region and the regional distribution of key artefacts both within India and outside the region, in Africa, Europe or Southeast Asia. Some chapters also include extended examples of the archaeometry of ancient glasses. It makes an important contribution to archaeological, anthropological and analytical aspects of glass in South Asia. As such, it represents an invaluable resource for students through academic and industry researchers working in archaeological sciences, ancient knowledge system, pyrotechnology, historical archaeology, social archaeology and student of anthropology and history with an interest in glass and the archaeology of South Asia.

Genetics Oxford University Press

This book explores the role of in silico deployment in connection with modulation techniques for improving sustainability and competitiveness in the agri-food sector; pharmacokinetics and molecular docking studies of plant-derived natural compounds; and their potential anti-neurodegenerative activity. It also investigates biochemical pathways for bacterial metabolite synthesis, fungal diversity and plant-fungi interaction in plant diseases, methods for predicting disease-resistant candidate genes in plants, and genes-to-metabolites and metabolites-to-genes approaches for predicting biosynthetic pathways in microbes for natural product discovery. The respective chapters elaborate on the use of in situ methods to study biochemical pathways for bacterial metabolite synthesis; tools for plant metabolites in defence; plant secondary metabolites in defence; plant growth metabolites; characterisation of plant metabolites; and identification of plant derived metabolites in the context of plant defence. The book offers an unprecedented resource, highlighting state-of-the-art research work that will greatly benefit researchers and students alike, not only in the field of agriculture but also in many disciplines in the life sciences and plant

sciences.

Stress Biology of Cyanobacteria Springer Science & Business Media

NETosis: Immunity, Pathogenesis and Therapeutics takes a focused approach to the clinical aspects of NETosis and drug development, bringing critical findings. Chapters introduce NETosis, consider mechanisms and antimicrobial strategies regulating NETosis, examine NETosis in neonates, explore the role of NETosis in autoimmunity, delve into NETosis and other diseases, and present therapeutic approaches for dysregulated NETosis. Since Brinkamm, et al, discovered an unrecognized neutrophil anti-microbial mechanism responsible for the extracellular killing of invading pathogens in 2004, the novel process in which nuclear chromatin de-condenses and DNA is ejected into the extra cellular environment, trapping and inactivating tissue pathogens has rapidly evolved. Presents an up-to-date and detailed analysis of NETosis Brings together critical findings on NETosis as a comparatively novel immune mechanism Focuses on the clinical aspects of NETosis that lead to drug development Covers the topic with a cogency and passion that is based on years of scientific research

History of Tofu and Tofu Products (965 CE to 2013) JP Medical Ltd This second edition is a comprehensive study of the viruses that affect the brain and the central nervous system. Along with a focus on the viruses themselves, it addresses the diseases they cause, current treatments and preventive measures. Also discussed are the unique aspects of how viruses cause disease and why certain hosts are more susceptible (e.g., polymorphisms, age, co-morbidities). Because there are 29 cutting edge chapters, written by experts in the fields, Neurotropic Viral Infections has been divided into two separate volumes. Volume 1, Neurotropic RNA Viruses, includes 14 chapters on RNA viruses that cause human disease of the central nervous system ranging from Bornavirus to polio to West Nile. Volume 2, Neurotropic Retroviruses, DNA Viruses, Immunity and Transmission, includes 15 chapters divided into two parts. Part 1 includes 7 chapters on retroviruses and DNA viruses that cause human disease of the central nervous system ranging from HIV to varicella zoster virus. Part 2 includes chapters on transmission of these viruses by transplantation, bites by bats and insects, clinical management of the infections, and beneficial uses of attenuated viruses.

Neurotropic Viral Infections is a unique resource, bridging basic, clinical, and translational approaches.

NETosis Oxford University Press

Agro-industrial Wastes as Feedstock for Enzyme Production: Apply and Exploit the Emerging and Valuable Use Options of Waste Biomass explores the current state-of-the-art bioprocesses in enzyme production using agro-industrial wastes with respect to their generation, current methods of disposal, the problems faced in terms of waste and regulation, and potential value-added protocols for these wastes. It surveys areas ripe for further inquiry as well as future trends in the field. Under each section, the individual chapters present up-to-date and in-depth information on bioprospecting of agro-industrial wastes to obtain enzymes of economic importance. This book covers research gaps, including valorization of fruit and vegetable by-product—a key contribution toward sustainability that makes the utmost use of agricultural produce while employing low-energy and cost-efficient bioprocesses. Written by experts in the field of enzyme technology, the book provides valuable information for academic researchers, graduate students, and industry scientists working in industrial-food microbiology, biotechnology, bioprocess technology, post-harvest technology, agriculture, waste management, and the food industry. Addresses key opportunities and challenges in the emerging field of enzyme technology, with an emphasis on energy and bio-based industrial applications Explores the current state of the art bioprocesses in enzyme production using fruit and vegetable wastes with respect to their generation, current methods of disposal, and problems faced in terms of waste and regulation Presents in-depth information on bioprospecting of fruit and vegetable to obtain enzymes of economic importance Delves into environmental concerns and economic considerations related to fruit and vegetable processing by-products

Contamination of Water Soyinfo Center

Educational commissions continue to press the need for growth in higher education. In particular, universities in developing countries persist in putting their academic theory into practice by aiming to integrate their intellectual and cultural traditions into higher education. Evolving Corporate Education Strategies for Developing Countries: The Role of Universities presents the theories and opportunities for integrating corporate education

into traditional universities as well as highlighting the professional development in different subject areas. This book provides relevant research important for policy makers, practitioners and scholars of higher education.

Fundamentals of Applied Statistics Partridge Publishing Rapid population growth, urbanisation and industrialisation have caused serious problems in terms of water pollution and the supply of safe water. Solutions for monitoring pollutants in water and for removing them are urgently needed and they must be both efficient and sustainable. Recent advances in emerging environmental nanotechnologies provide promising solutions for these issues. The physical and chemical properties of nanomaterials can be tailored by controlling attributes such as their size, shape, composition, and surface, so that they can be both highly specific and highly efficient. This makes them perfect platforms for a variety of environmental applications including sensing, treatment and remediation. Providing an array of cutting-edge nanotechnology research in water applications, including sensing, treatment, and remediation, as well as a discussion of progress in the rational design and engineering of nanomaterials for environmental applications, this book is a valuable reference for researchers working in applications for nanotechnology, environmental chemistry and environmental engineering as well as those working in the water treatment industry.

Unconstitutional Constitutional Amendments S. Chand Publishing

This volume details the exploration, collection, characterization, evaluation and conservation of microbes for sustainable utilization in the development of the global as well as national economies, e.g. in agriculture, ecosystems, environments, industry and medicine. Many research institutes and universities all over the world carry out microbiological and biotechnological research, which generates substantial genomic resources such as cDNA libraries, gene constructs, promoter regions, transgenes and more valuable assets for gene discovery and transgenic product development. This work provides up-to-date information on the management of microbial resources in the environment. It also covers the ecology of microorganisms in natural and engineered environments. In trying to understand microbial interactions it further focuses on genomic, metagenomic and molecular advances, as well as on microbial diversity and phylogeny;

ecological studies of human, animal and plant microbiology and disease; microbial processes and interactions in the environment; and key technological advances. Though not intended to serve as an encyclopedic review of the subject, the various chapters investigate both theoretical and practical aspects and provide essential basic information for future research to support continued development.

Natural Resources Conservation and Advances for Sustainability
Frontiers Media SA

Third Completely Revised and Updated Edition
Mass Communication in India is a result of the author's in-depth study and understanding of the media. The book deals with a general introduction to Communication Theory, Advertising, Television, Effects of Media and Development. In short, the book is designed to give the student of Mass Communication a general and comprehensive view of the modern and traditional media in India. It meets the objective of being a text book as well as a book that gives an overview of mass communication in India.

Evolving Corporate Education Strategies for Developing Countries: The Role of Universities CRC Press

A guide perfect for students wishing to learn the important fundamental principles that form the basis of a fascinating and complex field. Many of the earliest books, particularly those dating back to the 1900s and before, are now extremely scarce and increasingly expensive. We are republishing these classic works in affordable, high quality, modern editions, using the original text and artwork.