

Engineering Economics Seema Singh

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 Opportunities and Challenges
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 Advances and Applications
 Gene Regulation and Therapeutics for Cancer
 Poetics of the Flesh

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Medical Myths and Why We Fall for Them Nova Science Publishers

Nucleic acids have structurally evolved over billions of years to effectively store and transfer genetic information. In the 1980s, Nadrian Seeman's idea of constructing a 3D lattice from DNA led to utilizing DNA as nanomolecular building blocks to create emergent molecular systems and nanomaterial objects. This bottom-up approach to construct nanoscale architectures with DNA marked the beginning of a new field, DNA nanotechnology, contributing significantly to the broad area of nanoscience and nanotechnology. The molecular architectonics of small "designer" molecules and short DNA sequences through complementary binding interaction engenders well-defined functional nanoarchitectures with realistic applications in areas ranging from biology to materials science and is termed "DNA nanoarchitectonics." This book discusses novel approaches adapted by leading researchers from all over the world to create functional nucleic acid molecular systems and nanoarchitectures. Individual chapters contributed by active practitioners provide fundamental and advanced knowledge emanated from their own and others' work. Each chapter includes numerous illustrations, historical perspectives, case studies and practical examples, critical discussions, and future prospects. This book can serve as a practical handbook or as a textbook for advanced undergraduate- and graduate-level students of nanotechnology and DNA nanotechnology, supramolecular chemistry, and nanoarchitectonics and researchers working on macromolecular science, nanotechnology, chemistry, biology, and medicine, especially those with an interest in sensors, biosensors, nanoswitches and nanodevices, diagnostics, drug delivery, and therapeutics.

Innovations in Agriculture for a Self-Reliant India Springer Nature

Differential gene regulation and targeted therapy are the critical aspects of several cancers. This book covers specific gene regulation and targeted therapies in different malignancies. It offers a comprehensive assessment of the transcriptional dysregulation in cancer, and considers some examples of transcriptional regulators as definitive oncogenic drivers in solid tumors, followed by a brief discussion of transcriptional effectors of the programs they drive, and discusses its specific targets. Most targeted therapeutics developed to date have been directed against a limited set of oncogenic drivers, exemplified by those encoding cell surface or cytoplasmic kinases that function in intracellular signaling cascades.

Agricultural Situation in India CRC Press

This is an open access title available under the terms of a CC BY-NC-ND 4.0 licence. It is free to read at Oxford Scholarship Online and offered as a free PDF download from OUP and selected open access locations. Jean Drèze has a rare and distinctive understanding of the Indian economy and its relationship with the social life of ordinary people. He has travelled widely in rural India and done fieldwork of a kind that few economists have attempted. In *Sense and Solidarity* Drèze offers unique insight on issues of hunger, inequality, conflict, and the evolution of social policy in India over roughly the past two decades. Historic legislations and initiatives of the period, relating for instance to the right to food and the right to work, are all scrutinised and explained, as are the fierce debates that often accompanied them. "Jholawala" has become a disparaging term for activists in the Indian business media. This book affirms the learning value of collective action combined with sound economic analysis. In his detailed introduction, the author argues for an approach to development economics where research and action are complementary and interconnected. *Sense and Solidarity* spans the gamut of critical social policies, from education and health to poverty, nutrition, child care, corruption, employment, and social security. There are also less predictable topics such as the caste system, corporate power, nuclear disarmament, the Gujarat model, the Kashmir conflict, and universal basic income. *Sense and Solidarity* enlarges the boundaries of social development towards

a broad concern with the sort of society we want to create.

Integrating New Technologies in International Business OUP Oxford

In *Poetics of the Flesh* Mayra Rivera offers poetic reflections on how we understand our carnal relationship to the world, at once spiritual, organic, and social. She connects conversations about corporeality in theology, political theory, and continental philosophy to show the relationship between the ways ancient Christian thinkers and modern Western philosophers conceive of the "body" and "flesh." Her readings of the biblical writings of John and Paul as well as the work of Tertullian illustrate how Christian ideas of flesh influenced the works of Maurice Merleau-Ponty and Michel Foucault, and inform her readings of Judith Butler, Frantz Fanon, and others. Rivera also furthers developments in new materialism by exploring the intersections among bodies, material elements, social arrangements, and discourses through body and flesh. By painting a complex picture of bodies, and by developing an account of how the social materializes in flesh, Rivera provides a new way to understand gender and race.

Control Applications in Modern Power System CRC Press

This book presents the state-of-the-art advances and applications of nanozymes, the recently developing branch of enzymology that synthesizes and uses nanomaterials that mimic the function of traditional enzymes. During the past decade, the study of nanozymes has grown rapidly. Several new nanomaterials that exhibit enzymatic actions have been identified, along with new applications for their practical use. This book draws upon the work of experts from around the world and provides an in-depth analysis and cutting-edge overview of nanozymes, with an eye toward their present and future applications. Chapters are arranged in a logical order to provide physio-chemical characterization of nanozyme and basic mechanisms of their enzymatic actions. Focusing on current limitations of nanozymes and their reaction kinetics, the book presents a comprehensive discourse on nanozyme engineering that includes possible surface modifications to enhance nanozyme effectiveness. It also focuses on traditional and novel nanozyme applications, such as biosensing, drug delivery, and disease therapy, as well as their use as antibacterials. An important addition in this book is the summary of emerging literature on nanozyme toxicology. This book is intended as a ready reference for advanced undergraduate and graduate students doing research in nanotechnology; materials science; chemistry; and chemical, biological, biomedical, and food engineering. Research and development scientists, engineers, and technologists working in the chemical and biological/biomedical industries will gain much from the materials in this book for their industry practice. Presents a comprehensive discourse on nanozyme engineering that includes possible surface modifications to enhance nanozyme effectiveness. Discusses metal organic frameworks as nanozymes. Reviews on traditional and novel nanozyme applications, such as biosensing, drug delivery, disease therapy, and their use as antibacterials. Examines nanozyme toxicology. Dr. Sundaram Gunasekaran is a Professor in the Department of Biological Systems Engineering at the University of Wisconsin-Madison.

Text Cum Workbook Harper Collins

Recurrent pregnancy loss (RPL) includes recurrent first- and second-trimester abortions and recurrent preterm delivery, second- or third-trimester intrauterine fetal death, intrapartum stillbirth, and early neonatal death. This book includes protocols for case scenarios of early and late pregnancy loss as well as instances of poor obstetric history. Key Features Explores the management of different clinical presentations of RPL Includes preeclampsia, intrahepatic cholestasis of pregnancy, and hypertension-related disorders in pregnancy Includes clinical protocols with flowcharts Features tip boxes with learning points for easy reference

Economics for Engineering Students Oxford University Press

The book brings out an encyclopaedic picture of the potential areas of transformative Indian agriculture through innovations in science, technology, institutional and policy affairs directed in

building a self-reliant India (Atmanirbhar Bharat). The book has addressed the challenges to make India free from hunger, poverty and undernutrition, and suggested interventions with focus on all-inclusiveness and sustainability, peace and prosperity, and resilience to climate and other volatilities. Most of these propositions are analogous to the Sustainable Development Goals – Agenda 2030, which India has committed to achieve. The book specially covers critical needs for development on different fragile ecosystems such as coastal, desert, hill, ravine and other marginal ecosystems. The book will act as very useful guidance for the policy makers, and development communities, and a reference document to the academicians as well. Note: T&F does not sell or distribute the hardback in India, Pakistan, Nepal, Bhutan, Bangladesh and Sri Lanka. This title is co-published with NIPA.

Essays on Ethnicity, Regionalism, and Development Penguin

Transforming Management Using Artificial Intelligence Techniques redefines management practices using artificial intelligence (AI) by providing a new approach. It offers a detailed, well-illustrated treatment of each topic with examples and case studies, and brings the exciting field to life by presenting a substantial and robust introduction to AI in a clear and concise manner. It provides a deeper understanding of how the relevant aspects of AI impact each other's efficacy for better output. It's a reliable and accessible one-step resource that introduces AI; presents a full examination of applications; provides an understanding of the foundations; examines education powered by AI, entertainment, home and service robots, healthcare re-imagined, predictive policing, space exploration; and so much more, all within the realm of AI. This book will feature: Uncovering new and innovative features of AI and how it can help in raising economic efficiency at both micro- and macro levels Both the literature and practical aspects of AI and its uses This book summarizing key concepts at the end of each chapter to assist reader comprehension Case studies of tried and tested approaches to resolutions of typical problems Ideal for both teaching and general-knowledge purposes. This book will also simply provide the topic of AI for the readers, aspiring researchers and practitioners involved in management and computer science, so they can obtain a high-level of understanding of AI and managerial applications.

Next Generation Business Models Springer Nature

Collects Papers By Eminent Sellers On The Various Facets Of Jharkhand-History Of Jharkhand, The Jharkhand Movement, Ethnicity And Ethnic Identity, Political Developments Etc. Highlight The Stark Poverty Of The Region And Tribal Land Alienation. Divided Into 6 Parts-10 Chapters. Part 1 Introduction-Part II International Colonialism-Part III Ethnicity, And Regionalism-Part IV The Struggle For Jharkhand State-Part V Legacies From A Grim Past-Part VI-Policies And Prognosis.

Recurrent Pregnancy Loss and Adverse Natal Outcomes CRC Press

"Materials science influences all aspects of society, including the current challenges of environmental issues and of sustainable energy. It also impacts our daily life, because it studies common materials like nanomaterials, composites, hybrid materials, glass, and plastic. Materials science tries to improve these materials in ways such as adding scratch resistance to glass. This science also commonly studies composite materials. This book was motivated by the desire to broaden knowledge and use this knowledge to develop new materials for the utility of mankind. There are innumerable tools currently available that focus on specific knowledge that can largely serve the scientific community. However, this book also explores social issues and outlines applications of different materials. Additionally, this book presents research-based practices related to the usage of advanced materials and covers the application of nanomaterials in solar energy and medicine. The didactic approach of this book is perfectly suited to science and engineering students, as well as to biologists, physicists, or chemists who are not specialized in materials but who, nevertheless, wish to learn about this discipline. This work will also be appreciated by specialists in a particular aspect of materials science wishing to have a global view on the subject and to position their activity in a wider context"--

Biopharmacological Activities of Medicinal Plants and Bioactive Compounds I. K. International Pvt Ltd Vibhav series is an interactive course book in Hindi. The series is in text cum workbook format and promote a logical, scientific approach to language learning and ensure the development of communication skills. The primary objective of the course is to ensure learner's language skills through various activities that focus on Listening, Speaking, Reading and Writing.

Aqueous Pretreatment of Plant Biomass for Biological and Chemical Conversion to Fuels and Chemicals Johns Hopkins University Press

This book provides a comprehensive overview of the technical notes, research designs, literature, and 3DP (three-dimensional printing) technology applications for effective food printing. It provides a multidisciplinary coverage of 3D food printing in different food sectors. Recent advancements in manufacturing processes have led food industries to create innovations to stay competitive in the market. 3D food printing incorporates 3DP digital gastronomy strategies to manufacture food products with consistency in shape, color, flavor, texture, and even nutrition. Thus, by controlling the number of materials and the quality of nutrients, food items can be manufactured and handled to fulfill their particular requirements. For food printing, both proprietary structures and self-developed frameworks are used from open sources. Similar frameworks are re-engineered to reformulate administration, content creation, and user interface. For example, three printing medium types, natural printable products, non-printable synthetic food products, and alternative ingredients as well as two recipe forms (i.e., element-based recipes and regular recipes) are used for customized food production. The authors address that open 3D technology for food printing and food processing technology are theoretically correlated with food printing. The book will help industrial designers, nutrition professionals, dieticians, manufacturing enterprises, and young researchers in food technology, material science, and mechanical engineering understand the latest advances in 3DP technology in food industries.

Handbook of Green Computing and Blockchain Technologies CRC Press

Sustainable development is the most important challenge facing humanity in the 21st century. The global economic growth in the recent past has indeed exhibited marked progress in many countries. Nevertheless, the issues of income disparity, poverty, gender gaps, and malnutrition are not uncommon in the global landscape, in spite of the upward growth of the economy and technological advances. This grim picture is further exacerbated by our growing human population, unmindful resource use, ever-increasing consumption trends, and changing climate. In order to protect

humanity and preserve the planet, the United Nations issued the "2030 agenda for sustainable development," which includes but is not limited to sustainable production and consumption practices, e.g. in a sustainable bioeconomy. The hallmark of the sustainable bioeconomy is a paradigm shift from a fossil-fuel-based economy to a biological-based one, which is driven by the virtues of sustainability, efficient utilization of resources, and "circular economy." As the sustainable bioeconomy is based on the efficient utilization of biological resources and societal transformations, it holds the immense potential to achieve the UN's Sustainable Development Goals. This book shares valuable insights into the linkages between the sustainable bioeconomy and Sustainable Development Goals, making it an essential read for policymakers, researchers and students of environmental studies.

Influencing Customer Demand CRC Press

In recent years, mathematics has experienced amazing growth in the engineering sciences. Mathematics forms the common foundation of all engineering disciplines. This book provides a comprehensive range of mathematics applied in various fields of engineering for different tasks such as civil engineering, structural engineering, computer science, and electrical engineering, among others. It offers chapters that develop the applications of mathematics in engineering sciences, conveys the innovative research ideas, offers real-world utility of mathematics, and has a significance in the life of academics, practitioners, researchers, and industry leaders. Features Focuses on the latest research in the field of engineering applications Includes recent findings from various institutions Identifies the gaps in the knowledge in the field and provides the latest approaches Presents international studies and findings in modeling and simulation Offers various mathematical tools, techniques, strategies, and methods across different engineering fields

The Economics Book Sarup & Sons

Engineering Interventions in Agricultural Processing presents recent advanced research on biological engineering, bioprocessing technologies, and their applications in agricultural food processing, and their applications in agriculture science and agricultural engineering, focusing on biological science, biological engineering, and bioprocessing technology. With contributions from a broad range of leading researchers, this book presents several innovations in the areas of processing technologies in agriculture. The book is divided into three parts, covering agricultural processing: interventions in engineering technologies novel practices in agricultural processing agricultural processing: health benefits of medicinal plants With contributions from a broad range of leading researchers, this book presents several new innovations in the areas of processing technologies in agriculture that will be helpful to researchers, scientists, students, and industry professionals in agriculture.

Recent Advances in Mathematics for Engineering Nova Science Publishers

Economics for Engineering Students Economics for Engineering Students I. K. International Pvt Ltd

Versatile Solicitations of Materials Science in Diverse Science Fields CRC Press

In recent decades we have come to realize that the microbial world is hugely diverse, and can be found in the most extreme environments. Fungi, single-celled protists, bacteria, archaea, and the vast array of viruses and sub-viral particles far outnumber plants and animals. Microbes, we now know, play a critical role in ecosystems, in the chemistry of atmosphere and oceans, and within our bodies. The field of microbiology, armed with new techniques from molecular biology, is now one of the most vibrant in the life sciences. In this Very Short Introduction Nicholas P. Money explores not only the traditional methods of microscopy and laboratory culture but also the modern techniques of genetic detection and DNA sequencing, genomic analysis, and genetic manipulation. In turn he demonstrates how advances in microbiology have had a tremendous impact on the areas of medicine, agriculture, and biotechnology. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Guide to Indian Periodical Literature Duke University Press

This title includes a number of Open Access chapters. The practice of converting corn to ethanol is controversial, with debates currently being raged in both public policy and science. While biofuels from corn have important implications in alleviating some of the global energy crisis, critics argue that it takes away from vital agricultural products needed to feed the world's growing population. The current volume maintains there is a third way, a method of producing biofuel that only uses biomass that is left behind after all agricultural and nutritional products have been harvested from corn. This biomass is referred to as corn stover. The book serves as an important introduction to this method of producing biofuels from agricultural waste. Edited by a professor from the State University of New York, Geneseo, this reference is important not only for research scientists, but for students and public policy makers who wish to learn more about this alternative method of producing ethanol from corn. The sections found in Fuel Production from Non-Food Biomass: Corn Stover describe the following topics: An overview of why corn stover is a good alternative use of power The technology that makes this process possible on various scales Considerations for policy formation, including economic, land-use, and environmental arguments for and against using corn stover as a biofuel Although controversy still exists about the use of corn stover—with some critics saying that it will cause food shortages, particularly for developing nations—the research in this book focuses on using corn's already existing, non-food biomass and argues that food and biofuel could potentially be produced from the same fields.

The Quarterly Journal of the Indian Society of Labour Economics CRC Press

This book presents select proceedings of the Electric Power and Renewable Energy Conference 2020 (EPREC 2020). This book provides rigorous discussions, case studies, and recent developments in emerging areas of control systems, especially, load frequency control, wide-area monitoring, control & instrumentation, optimization, intelligent control, energy management system, SCADA systems, etc. The contents of this book will be useful to researchers and professionals interested in control theory and its applications to power grids and systems. The book can also be used by policy makers and power engineers involved in power generation and distribution.

Engineering Economics Discovery Publishing House

Yasmin's handy pull-out-and-keep Bulls*%t Detection Kit.

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- [The Complete Summer I Turned Pretty Trilogy \(boxed Set\): The Summer I Turned Pretty; It's Not Summer Without You; We'll Always Have Summer By Jenny Han](#)
- [A Letter From Your Teacher: On The First Day Of School](#)
- [The Four Agreements: A Practical Guide To Personal Freedom \(a Toltec Wisdom Book\)](#)
- [Fast Like A Girl: A Woman's Guide To Using The Healing Power Of Fasting To Burn Fat, Boost Energy, And Balance Hormones](#)
- [Regretting You By Colleen Hoover](#)
- [Guess How Much I Love You](#)
- [Are You There God? It's Me, Margaret.](#)
- [A Court Of Wings And Ruin \(a Court Of Thorns And Roses, 3\) By Sarah J. Maas](#)
- [Dog Man: Twenty Thousand Fleas Under The Sea: A Graphic Novel \(dog Man #11\): From The Creator Of Captain Underpants By Dav Pilkey](#)