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Innovative Technologies in Beverage Processing - Ingrid Aguilo-Aguayo 2017-05-22

An in-depth look at new and emerging technologies for non-alcoholic beverage manufacturing The non-alcoholic beverage market is the fastest growing segment of the functional food industry worldwide. Consistent with beverage consumption trends generally, the demand among consumers of these products is for high-nutrient drinks made from natural, healthy ingredients, free of synthetic preservatives and artificial flavor and color enhancers. Such drinks require specialized knowledge of exotic ingredients, novel processing techniques, and various functional ingredients. The latest addition to the critically acclaimed IFST Advances in Food Science series this book brings together edited contributions from internationally recognized experts in their fields who offer insights and analysis of the latest developments in non-alcoholic beverage manufacture. Topics covered include juices made from pome fruits, citrus fruits, prunus fruits, vegetables, exotic fruits, berries, juice blends and non-alcoholic beverages, including grain-based beverages, soups and functional beverages. Waste and by-products generated in juice and non-alcoholic beverage sector are also addressed. Offers fresh insight and analysis of the latest developments in non-alcoholic beverage manufacture from leading international experts Covers all product segments of the non-alcoholic beverage market, including juices, vegetable blends, grain-based drinks, and alternative beverages Details novel thermal and non-thermal technologies that ensure high-quality nutrient retention while extending product shelf life Written with the full support of The Institute of Food Science and Technology (IFST), the leading qualifying body for food professionals in Europe Innovative Technologies in Beverage Processing is a valuable reference/working resource for food scientists and engineers working in the non-alcoholic beverage industry, as well as academic researchers in industrial food processing and nutrition.

The Impact of the Digital Consumer's Emotional Intelligence in Relation to the Moral Values Promoted in E-Business - Ioana Bucur-Teodorescu 2021-02-25

The study on the impact of the digital consumer's emotional intelligence based on the moral values promoted in e-business presents an actual interdisciplinary topic in the context of the digital age. The research proposes an original approach to e-business and digital consumer in terms of moral values and emotional intelligence. The Internet has positive effects on consumers and organizations when it is used properly to improve the quality of life. New consumers are more selective, receptive and interested in new technologies. Digital consumers have the opportunity to get informed quickly about products/services offers and e-business provides a simplified acquisition process through diversity and

accessibility.

Papers in ITJEMAST 11(11) 2020 -

International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies publishes a wide spectrum of research and technical articles as well as reviews, experiments, experiences, modelings, simulations, designs, and innovations from engineering, sciences, life sciences, and related disciplines as well as interdisciplinary/cross-disciplinary/multidisciplinary subjects. Original work is required. Article submitted must not be under consideration of other publishers for publications.

Functional Foods - Hari Niwas Mishra 2016-03-03

The book presents practical information for use in functional food product development. It is also intended for use by practitioners in functional food companies and food technology centres and will also be of interest to researchers and students of food science and technology. With recent scientific studies, this book provides readers with a comprehensive and up-to-date scientific knowledge about the functional food science and technology. The book presents a most updated knowledge on the regulatory status of functional food in different countries. This information, which is seldom available, is essential for the commercial aspect of functional food. Also, core discussion on the reliable and economical scale up of laboratory-based extraction and purification techniques for different functional ingredients is also presented in the detailed manner in the book. A critical issue in the development of functional foods is health aspects and its role in disease control. In section V, Functional food products: Prevention, Disease Control and bioavailability, a variety of examples are discussed indicating the role and action of functional ingredients in preventing disease. The present book also addresses the key issue of processing and its effects on the bioavailability of bioactives. With the advent of the latest scientific technique in the latter half of the 20th century, area of functional food has evolved to the current state of the art.

Heart Failure Updates - John J. V. McMurray 2003-09-26

Given the ever-advancing development of new pharmacological agents to treat heart conditions, clinicians could use a practical report on newly available treatments. The authors here address that need, profiling every pharmacological therapy in use to date for the treatment of heart failure. Renowned as experts in the field, these prominent academic

Disadvantaged Children in India - Sibnath Deb 2019-11-23

This book addresses issues concerning five major categories of disadvantaged children, namely street children, children involved in trafficking, child labor,

slum children, and children in institutional care, which apply to a large number of children around the world, including India. Compiling primary and secondary research-based evidences in addition to the first-hand experiences of the authors, it describes the link between social dynamics and the plight of disadvantaged children from both social and cultural perspectives. Each chapter includes examples and case studies to offer readers essential insights into the real-life situations of these children. At the end of each chapter, a number of evidence-based measures and models are proposed for agencies working to support disadvantaged children. Given its comprehensive coverage, the book is of interest to scholars, and government and non-government agencies involved in the welfare of disadvantaged children, funding agencies, and social science, medical and public health professionals.

Photosynthesis: Structures, Mechanisms, and Applications - Harvey J.M. Hou
2017-05-16

To address the environmental, socioeconomic, and geopolitical issues associated with increasing global human energy consumption, technologies for utilizing renewable carbon-free or carbon-neutral energy sources must be identified and developed. Among renewable sources, solar energy is quite promising as it alone is sufficient to meet global human demands well into the foreseeable future. However, it is diffuse and diurnal. Thus effective strategies must be developed for its capture, conversion and storage. In this context, photosynthesis provides a paradigm for large-scale deployment. Photosynthesis occurs in plants, algae, and cyanobacteria and has evolved over 3 billion years. The process of photosynthesis currently produces more than 100 billion tons of dry biomass annually, which equates to a global energy storage rate of ~100 TW. Recently, detailed structural information on the natural photosynthetic systems has been acquired at the molecular level, providing a foundation for comprehensive functional studies of the photosynthetic process. Likewise, sophisticated spectroscopic techniques have revealed important mechanistic details. Such accomplishments have made it possible for scientists and engineers to construct artificial systems for solar energy transduction that are inspired by their biological counterparts. The book contains articles written by experts and world leaders in their respective fields and summarizes the exciting breakthroughs toward understanding the structures and mechanisms of the photosynthetic apparatus as well as efforts toward developing revolutionary new energy conversion technologies. The topics/chapters will be organized in terms of the natural sequence of events occurring in the process of photosynthesis, while keeping a higher-order organization of structure and mechanism as well as the notion that biology can inspire human technologies. For example, the topic of light harvesting, will be followed by charge separation at reaction centers, followed by charge stabilization, followed by chemical reactions, followed by protection mechanisms, followed by other more specialized topics and finally ending with artificial systems and looking forward. As shown in the table of contents (TOC), the book includes and integrates topics on the structures and mechanisms of photosynthesis, and provides relevant information on applications to bioenergy and solar energy transduction.

Recycled Waste Materials - Arvind Kumar Agnihotri 2019-05-09

This volume contains selected papers presented during the International Conference on Environmental Geotechnology, Recycled Waste Material and Sustainable Engineering (EGRWSE-2018). The papers focus on finding innovative ways of recycling and reusing waste materials, reducing demand for natural resources and processing industrial and chemical wastes such that disposal reduces their

environmental burden. This volume will be of interest to researchers, policy makers and practitioners working in the field of waste management.

Cloud Computing for Optimization: Foundations, Applications, and Challenges - Bhabani Shankar Prasad Mishra 2018-02-26

This book discusses harnessing the real power of cloud computing in optimization problems, presenting state-of-the-art computing paradigms, advances in applications, and challenges concerning both the theories and applications of cloud computing in optimization with a focus on diverse fields like the Internet of Things, fog-assisted cloud computing, and big data. In real life, many problems – ranging from social science to engineering sciences – can be identified as complex optimization problems. Very often these are intractable, and as a result researchers from industry as well as the academic community are concentrating their efforts on developing methods of addressing them. Further, the cloud computing paradigm plays a vital role in many areas of interest, like resource allocation, scheduling, energy management, virtualization, and security, and these areas are intertwined with many optimization problems. Using illustrations and figures, this book offers students and researchers a clear overview of the concepts and practices of cloud computing and its use in numerous complex optimization problems.

Research Anthology on Business Continuity and Navigating Times of Crisis - Management Association, Information Resources 2022-01-07

When the COVID-19 pandemic caused a halt in global society, many business leaders found themselves unprepared for the unprecedented change that swept across industry. Whether the need to shift to remote work or the inability to safely conduct business during a global pandemic, many businesses struggled in the transition to the “new normal.” In the wake of the pandemic, these struggles have created opportunities to study how businesses navigate these times of crisis. The Research Anthology on Business Continuity and Navigating Times of Crisis discusses the strategies, cases, and research surrounding business continuity throughout crises such as pandemics. This book analyzes business operations and the state of the economy during times of crisis and the leadership involved in recovery. Covering topics such as crisis management, entrepreneurship, and business sustainability, this four-volume comprehensive major reference work is a valuable resource for managers, CEOs, business leaders, entrepreneurs, professors and students of higher education, researchers, and academicians.

Panjab Castes - Sir Denzil Ibbetson 2018-10-13

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Research Anthology on Human Resource Practices for the Modern Workforce - Management Association, Information Resources 2021-12-30

Human resource departments have been a crucial part of business practices for decades and particularly in modern times as professionals deal with

multigenerational workers, diversity initiatives, and global health and economic crises. There is a necessity for human resource departments to change as well to adapt to new societal perspectives, technology, and business practices. It is important for human resource managers to keep up to date with all emerging human resource practices in order to support successful and productive organizations. The Research Anthology on Human Resource Practices for the Modern Workforce presents a dynamic and diverse collection of global practices for human resource departments. This anthology discusses the emerging practices as well as modern technologies and initiatives that affect the way human resources must be conducted. Covering topics such as machine learning, organizational culture, and social entrepreneurship, this book is an excellent resource for human resource employees, managers, CEOs, employees, business students and professors, researchers, and academicians.

Recent Advances in Mathematics, Statistics and Computer Science - Arun Kumar Sinha
2016-06-09

This unique volume presents the scientific achievements, significant discoveries and pioneering contributions of various academicians, industrialist and research scholars. The book is an essential source of reference and provides a comprehensive overview of the author's work in the field of mathematics, statistics and computer science. Contents: Databased Intrinsic Weights of Indicators of Multi-Indicator Systems and Performance Measures of Multivariate Rankings of Systemic Objects (G P Patil & S W Joshi) Statistical Aspects of SuDoKu-Based Experimental Designs (Jyotirmoy Sarkar & Bikas K Sinha) Multi Criteria Decision Making Model for Optimal Selection of Recovery Facility Location and Collection Routes for a Sustainable Reverse Logistics Network under Fuzzy Environment (J D Darbari, V Agarwal & P C Jha) Optimal allocation of SKU and Safety Stock in Supply Chain System Network (K Gandhi, K Goyal, A Jha & J D Darbari) Bi-Objective Optimization Model for Fault-Tolerant Embedded Systems Under Build-Or-Buy Strategy Incorporating Recovery Block Scheme (R Kaur, S Arora, P C Jha & S Madan) Study of a Problem of Annular Cylinder Under Two-Temperature Thermoelasticity with Thermal Relaxation Parameters (Santwana Mukhopadhyay & Roushan Kumar) Multi-Criteria Advertisement Allocation Model of Multiple Advertisers on a Television Network (G Kaur, S Aggarwal & P C Jha) Computation of Maximum Likelihood Estimates in Three Parameter Weibull for Censored Data (Sanjeeva Kumar Jha) On Statistical Quality Control Techniques Based on Ranked Set Sampling (Md Sarwar Alamand, Arun Kumar Sinha & Rahbar Ali) Approximate Solution for Nonlinear Oscillator with Cubic and Quintic Nonlinearities (Jitendra Singh) Fuzzy DEA Cross-Efficiency Model for Ranking and Performance Evaluation Using Ideal and Anti-Ideal Decision Making Units (Seema Gupta, K N Rajeshwari & P C Jha) Poverty Analysis Using Scan Statistic Methods (Arun Kumar Sinha & Mukesh Kumar) Joint Performance Evaluation Data Envelopment Analysis Problem: An Interactive Approach (Riju Chaudhary, Pankaj Kumar Garg & P C Jha) Stochastic Modeling of a Repairable System Under Different Weather Conditions (S C Malik) Estimation of Risk Surfaces and Identification of District Boundaries for Tuberculosis in North-Eastern Indian States (Sanjeeva Kumar Jha & Ningthoukhongjam Vikimchandra Singh) Optimal Advertisement Allocation for Product Promotion on Television Channels (A Kaul, S Aggarwal, P C Jha & A Gupta) Fitting Linear Regressions: Development and Scope (Pranesh Kumar & J N Singh) The Impact of Family Planning on Fertility in Jharkhand State (Dilip Kumar) Spatial Analysis of AFP Surveillance Strategy for Polio Eradication in India (Pankaj Srivastava & Arun Kumar Sinha) On the Stochastic Modeling and Analysis of Bloom Caster System of

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Textbook of Environmental Studies for Undergraduate Courses - Erach Bharucha 2005-11

The Importance Of Environmental Studies Cannot Be Disputed Since The Need For Sustainable Development Is A Key To The Future Of Mankind. Recognising This, The Honourable Supreme Court Of India Directed The Ugc To Introduce A Basic Course On Environmental Education For Undergraduate Courses In All Disciplines, To Be Implemented By Every University In The Country. Accordingly, The Ugc Constituted An Expert Committee To Formulate A Six-Month Core Module Syllabus For Environmental Studies. This Textbook Is The Outcome Of The Ugc S Efforts And Has Been Prepared As Per The Syllabus. It Is Designed To Bring About An Awareness On A Variety Of Environmental Concerns. It Attempts To Create A Pro-Environmental Attitude And A Behavioural Pattern In Society That Is Based On Creating Sustainable Lifestyles And A New Ethic Towards Conservation. This Textbook Stresses On A Balanced View Of Issues That Affect Our Daily Lives. These Issues Are Related To The Conflict Between Existing `Development Strategies And The Need For `Conservation . It Not Only Makes The Student Better Informed On These Concerns, But Is Expected To Lead The Student Towards Positive Action To Improve The Environment. Based On A Multidisciplinary Approach That Brings About An Appreciation Of The Natural World And Human Impact On Its Integrity, This Textbook Seeks Practical Answers To Make Human Civilization Sustainable On The Earth S Finite Resources. Attractively Priced At Rupees One Hundred And Fifteen Only, This Textbook Covers The Syllabus As Structured By The Ugc, Divided Into 8 Units And 50 Lectures. The First 7 Units, Which Cover 45 Lectures Are Classroom Teaching-Based, And Enhance Knowledge Skills And Attitude To Environment. Unit 8 Is Based On Field Activities To Be Covered In 5 Lecture Hours And Would Provide Students With First Hand Knowledge On Various Local Environmental Issues.

Heart Failure, An Issue of Critical Nursing Clinics, E-Book - Jennifer Kitchens 2016-01-07

Heart failure is the only cardiovascular disease that is increasing. The impact on the critical care environment and the health care system, as a whole, is significant from both a cost and burden to the system perspective. There are 6.5 million hospital days a year and nearly \$40 billion dollars in yearly health care costs attributed to heart failure in the United States. There are more Medicare monies spent for diagnosing and treating heart failure than any other Diagnosis Related Group. There is a 24% hospital re-admission rate for this diagnosis which leads to financial implications for health care systems. The human cost is also significant. Less than half of Americans diagnosed with heart failure survive greater than 5 years. The ongoing health care needs and cost of this chronic disease takes a significant toll on patients' finances, time and quality of life. Over \$2.9 billion dollars is spent annually on the pharmaceutical management of heart failure in the United States. This diagnosis is the leading cause of hospitalization for patients who are 65 years of age and older. Few health care

providers in the critical care environment are not affected by heart failure on a routine basis. Caring for these patients and their families is both a challenging and yet a rewarding experience. This edition will provide critical care nurses with a comprehensive heart failure review which is essential in caring for this challenging population given the dynamic health and critical care environments.
Biometrics for Network Security - Paul Reid 2004

Reid (senior product manager, Cryptometrics) introduces the technical capabilities and limitations of computer biometric systems for measuring fingerprints, eye characteristics, or other body information as a computer security measure serving a similar purpose to personal identification numbers. He describes the workings of the different types of technologies and examines some of the mathematics behind biometric systems. He also describes the conceptualization and implementation of a particular system with which he was involved. Annotation : 2004 Book News, Inc., Portland, OR (booknews.com).

Moving Businesses Online and Embracing E-Commerce: Impact and Opportunities Caused by COVID-19 - Semerádová, Tereza 2021-12-03

The COVID-19 pandemic caused global shock to the entire economic system. As a result of the government restrictions, both production and distribution channels were interrupted. In this situation, however, it was possible to observe that some companies were able to adapt to these new conditions. The demand for the possibility of translating physical business into virtual increased. The COVID-19 restrictions showed that many entrepreneurs do not have enough knowledge about the available online tools and possibilities. Given that the digital transformation of business today often consists only of incorporating existing tools into existing processes, transition to e-commerce could be made easily and quickly. *Moving Businesses Online and Embracing E-Commerce: Impact and Opportunities Caused by COVID-19* analyzes the impact of COVID-19-related restrictions on business models of enterprises affected most by these restrictions and examines transformational changes induced by the accelerated adoption of internet technologies and transition to e-commerce-based business models. Covering topics such as customer relationship management (CRM), small and medium enterprises (SMEs), and customer loyalty, this book serves as an essential resource for business owners, CEOs, managers, IT consultants, web developers, students, professors, entrepreneurs, researchers, industry professionals, and academicians.

Environmental Engineering - S S Deswal 2001

Current Affairs March 2021 E-Book! Get PDF for monthly updates. - Testbook.com 2021-04-05

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Environmental Change in the Himalayan Region - Anup Saikia 2019-02-19

The book focuses on environment and conservation issues pertaining to the Himalayas, spanning Pakistan, Nepal, India, Bhutan and Myanmar. Environmental degradation, changes in snow cover and glaciers in India-Bhutan, threats to protected areas, and biodiversity in this ecologically fragile region are assessed in twelve distinct, regional case studies.

Advances in Energy Storage - Andreas Hauer 2022-03-28

ADVANCES IN ENERGY STORAGE An accessible reference describing the newest advancements in energy storage technologies *Advances in Energy Storage: Latest*

Developments from R&D to the Market is a comprehensive exploration of a wide range of energy storage technologies that use the fundamental energy conversion method. The distinguished contributors discuss the foundational principles, common materials, construction, device operation, and system level performance of the technology, as well as real-world applications. The book also includes examinations of the industry standards that apply to energy storage technologies and the commercial status of various kinds of energy storage. The book has been written by accomplished leaders in the field and address electrochemical, chemical, thermal, mechanical, and superconducting magnetic energy storage. They offer insightful treatments of relevant policy instruments and posit likely future advancements that will support and stimulate energy storage. Advances in Energy Storage also includes: A thorough introduction to electrochemical, electrical, and super magnetic energy storage, including foundational electrochemistry concepts used in modern power sources A comprehensive exploration of mechanical energy storage and pumped hydro energy storage Practical discussions of compressed air energy storage and flywheels, including the geology, history, and development of air energy storage In-depth examinations of thermal energy storage, including new material developments for latent and thermochemical heat storage Perfect for practicing electrical engineers, mechanical engineers, and materials scientists, Advances in Energy Storage: Latest Developments from R&D to the Market is also an indispensable reference for researchers and graduate students in these fields.

Challenges and Potential Solutions in Gluten Free Product Development - Navneet Singh Deora 2021-12-04

This work provides researchers with a thorough overview of all aspects related to the development of gluten-free food products. In summarizing and offering critical reviews of published works and focusing on current advances and technologies in gluten free product development, this book covers all of the important subjects related to this increasingly important aspect of the food industry. Important case studies in gluten-free breadmaking and alternative proteins are presented, making this a rich and singular source for food manufacturers and scientists seeking practical knowledge on the challenges and solutions involved in the development of gluten-free foods. Challenges and Potential Solutions in Gluten Free Product Development covers the latest advances and strategies for gluten-free diets including the important nutritional factors involved. Traditional and alternative approaches for the development of gluten-free dough, including starch applications and microbial fermentations, are extensively covered. Alternative proteins including those from vegetables, cereals, legumes and eggs are presented. Novel approaches for gluten-free breadmaking such as aeration strategies, prebiotics, hydrocolloids and nutritional enhancements are also covered in depth. With further chapters dedicated to regulatory aspects, gluten detection methods and the global market, this book presents full and up-to-date coverage of the development and manufacture of gluten-free products.

Current Affairs Monthly Capsule November 2021 E-book - Free PDF! - testbook.com 2021-12-02

This Current Affairs Monthly Capsule November 2021 E-book will help you understand in detail exam-related important news including National & International Affairs, Defence, Sports, Person in News, MoU & Agreements, S&T, Awards & Honours, Books etc.

Recent Findings in Intelligent Computing Techniques - Pankaj Kumar Sa 2018-11-03

This three volume book contains the Proceedings of 5th International Conference on Advanced Computing, Networking and Informatics (ICACNI 2017). The book focuses on

the recent advancement of the broad areas of advanced computing, networking and informatics. It also includes novel approaches devised by researchers from across the globe. This book brings together academic scientists, professors, research scholars and students to share and disseminate information on knowledge and scientific research works related to computing, networking, and informatics to discuss the practical challenges encountered and the solutions adopted. The book also promotes translation of basic research into applied investigation and convert applied investigation into practice.

Comprehensive Engineering Chemistry - Devender Singh 2013-12-30

This book is designed to meet the requirement of the students of B.Tech and B.E. students. The book discusses in detail the following topics: Thermodynamics Phase Rule, Water and its Treatment, Corrosion and its Prevention, Lubrication and Lubricants, Polymer and Polymerization and Analytical Methods. The book is suitably illustrated with diagrams and a number of solved numerical examples from different universities are included to make the text more exhaustive and understandable. Practical part is also appended at the end of the book.

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Current Affairs June E-Book 2021. Download PDF for competitive exams like UPSC, SSC, RRB, GATE, Banking, Teaching, State PSC, PSU etc., and go through the latest news and updates that happened in the month of June and prepare accordingly

Trends in Horticultural Entomology - M. Mani 2022-09-16

This edited book highlights the latest information on the use of nanotechnology, satellite technology, and biotechnological tools in pest management. It covers the role of climate change and ecology in managing pests and also their molecular identification. Other methods that the book encompasses are organic pest management, host-plant resistance, semiochemicals, and bio-control technology. The book also covers insect pollinators which play important role for fruits in horticultural crop production. Intensive and extensive cultivation of horticultural crops lead to serious pest problem. Climatic conditions in India and elsewhere due to which new pests have emerged that causes severe damage to the horticultural crops. In response to this, researchers have developed new techniques to fight pests and their growing resistance to pesticides. This book covers the latest information on identity, biology, damage, seasonal development, and pest management of the horticultural crop pests. It serves to be an essential tool for horticultural professionals, including development officers, horticulturists, field-level extension workers, nurserymen, planters, and entomologists, and is a valuable source of reference for relevant researchers, teachers, and students in the region.

Person in News Current Affairs Yearly Review 2021 E-book PDF - Testbook.com 2022-01-18

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Handbook of Research on Food Processing and Preservation Technologies - Megh R. Goyal 2021-11-25

The Handbook of Research on Food Processing and Preservation Technologies is a valuable 5-volume collection that illustrates various design, development, and applications of novel and innovative strategies for food processing and preservation. The roles and applications of minimal processing techniques (such as

ozone treatment, vacuum drying, osmotic dehydration, dense phase carbon dioxide treatment, pulsed electric field, and high-pressure assisted freezing) are discussed, along with a wide range of applications. The handbook also explores some exciting computer-aided techniques emerging in the food processing sector, such as robotics, radio frequency identification (RFID), three-dimensional food printing, artificial intelligence, etc. Some emphasis has also been given on nondestructive quality evaluation techniques (such as image processing, terahertz spectroscopy imaging technique, near infrared, Fourier transform infrared spectroscopy technique, etc.) for food quality and safety evaluation. The significant roles of food properties in the design of specific foods and edible films have been elucidated as well. Volume 4: Design and Development of Specific Foods, Packaging Systems, and Food Safety presents new research on health food formulation, advanced packaging systems, and toxicological studies for food safety. This volume covers in detail the design of functional foods for beneficial gut microflora, design of specific foods for gut microbiota, composite probiotic dairy products: concepts and design with a focus on millets, encapsulation technology for development of specific foods, prospects of edible and alternative food packaging technologies, recent advancements in edible and biodegradable materials for food packaging, potential of ozonation in surface modification of food packaging polymers, characterization applications and safety aspects of nanomaterials used in food and dairy industry, toxic effects of tinplate corrosion, and mitigation measures in canned foods. Other volumes in the set include: Volume 1: Nonthermal and Innovative Food Processing Methods Volume 2: Nonthermal Food Preservation and Novel Processing Strategies Volume 3: Computer-Aided Food Processing and Quality Evaluation Techniques Volume 5: Emerging Techniques for Food Processing, Quality, and Safety Assurance The book helps to provide an understanding of different food formulations and development of edible packaging techniques with emphasis on the assessment of food product safety and quality. The book also provides information on various methods of formulation for development of new and safe products. Together with the other volumes in the set, Handbook of Research on Food Processing and Preservation Technologies will be a valuable resource for researchers, scientists, students, growers, traders, processors, industries, and others.

Plant Growth-Promoting Microorganisms for Sustainable Agricultural Production - Everlon Cid Rigobelo 2022-04-18

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Genome Editing in Drug Discovery - Marcello Maresca 2022-03-29

GENOME EDITING IN DRUG DISCOVERY A practical guide for researchers and professionals applying genome editing techniques to drug discovery In Genome Editing in Drug Discovery, a team of distinguished biologists delivers a comprehensive exploration of genome editing in the drug discovery process, with coverage of the technology's history, current issues and techniques, and future perspectives and research directions. The book discusses techniques for disease modeling, target identification with CRISPR, safety studies, therapeutic editing, and intellectual property issues. The safety and efficacy of drugs and new target

discovery, as well as next-generation therapeutics are also presented. Offering practical suggestions for practitioners and academicians involved in drug discovery, Genome Editing in Drug Discovery is a fulsome treatment of a technology that has become part of nearly every early step in the drug discovery pipeline. Selected contributions also include: A thorough introduction to the applications of CRISPRi and CRISPRa in drug discovery Comprehensive explorations of genome-editing applications in stem cell engineering and regenerative medicine Practical discussions of the safety aspects of genome editing with respect to immunogenicity and the specificity of CRISPR-Cas9 gene editing In-depth examinations of critical socio-economic and bioethical challenges in the CRISPR-Cas9 patent landscape Perfect for academic researchers and professionals in the biotech and pharmaceutical industries, Genome Editing in Drug Discovery will also earn a place in the libraries of medicinal chemists, biochemists, and molecular biologists. Current Affairs Monthly Capsule July 2021 Guide: Download PDF! - Testbook.com 2021-08-07

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MEMS Pressure Sensors: Fabrication and Process Optimization - Parvej Ahmad Alvi 2014-07-14

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The Indian Yearbook of Law and Interdisciplinary Studies - Ranita Nagar 2022-11-23

This yearbook focuses on law and its interdisciplinarity in India. It brings together scholars of law, economics, and policy to foster multidisciplinary thinking and analysis across subject areas. The contributors to this volume embody an interdisciplinary spirit through their academic experience and aim to bring to the fore unique suggestions for a better understanding of the law. The volume explores various key issues that are central to state policy demanded by a functioning democracy, in terms of democratic quality, aspirations and sustainability. It discusses global and social issues, such as foreign interference in domestic elections, feminism, and climate change and looks at other subjects such as economics, religion, history, literature from the perspective of law. A unique contribution to the study of law in India, this book will be an essential read for scholars and researchers of law, jurisprudence, political science, economics, public policy, sociology, social anthropology, the Indian Constitution, and South Asia studies.

Innovative and Agile Contracting for Digital Transformation and Industry 4.0 -

Shalan, Mohammad Ali 2020-12-18

Digital transformation is reshaping the business arena as new, successful digital

business models are increasing agility and presenting better ways to handle business than the traditional alternatives. Industry 4.0 affects everything in our daily lives and is blurring the line between the physical, the biological, and the digital. This created an environment where technology and humans are so closely integrated that it is impacting every activity within the organizations.

Specifically, contracting processes and procedures are challenged to align with the new business dynamics as traditional contracts are no longer fitting today's agile and continuously changing environments. Businesses are required to facilitate faster, more secure, soft, and real-time transactions while protecting stakeholders' rights and obligations. This includes agile contracts which are dynamically handling scope changes, smart contracts that can automate rule-based functions, friction-less contracts that can facilitate different activities, and opportunity contracts that looks toward the future. Innovative and Agile Contracting for Digital Transformation and Industry 4.0 analyzes the consequences, benefits, and possible scenarios of contract transformation under the pressure of new technologies and business dynamics in modern times. The chapters cover the problems, issues, complications, strategies, governance, and risks related to the development and enforcement of digital transformation contracting practices. While highlighting topics in the area of digital transformation and contracting such as artificial intelligence, digital business, emerging technologies, and blockchain, this book is ideally intended for business, engineering, and technology practitioners and policy makers, along with practitioners, stakeholders, researchers, academicians, and students interested in understanding the scope, complexity, and importance of innovative contracts and agile contracting.