

Pankaj Kumar Chouhan

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ICT for Competitive Strategies - Durgesh Kumar Mishra 2020-05-05

Fourth International Conference on Information and Communication Technology for Competitive Strategies targets state-of-the-art as well as emerging topics pertaining to information and communication technologies (ICTs) and effective strategies for its implementation for engineering and intelligent applications.

Nanotechnology in Functional Foods - Shakeel Ahmed 2022-07-28

NANOTECHNOLOGY IN FUNCTIONAL FOODS

The broad applicability of bioactive delivery systems for improving food quality, safety, and human health will make this book a valuable resource for a wide range of readers in industry, research, and academia. Functional foods is an emerging trend in the food industry, whose potential value is determined by whether they are safe with respect to consumer health.

Nanotechnology in Functional Foods was written to help the reader better understand the benefits and concerns associated with these foods. In addition to giving an overview of the current state-of-the-art in functional foods, different aspects of the advanced research being conducted on their extraction, synthesis, analysis, and biological effects are presented. Besides focusing on several synthesis techniques, the book also discusses the application of nanoparticles in nutrient delivery and pharmaceuticals, such as nano-emulsions, solid lipid nanoparticles, and polymeric nanoparticles; their properties and interactions with other food components and their impact on the human body; the consumer acceptance and

diversification of these nutrients. Moreover, new trends are discussed concerning the application of artificial intelligence in screening various components of functional foods. Audience The book will be central to food scientists, materials scientists, biotechnologists, medicinal chemists, pharmacists, and medical professionals. Tanima Bhattacharya, PhD, is a formulation scientist, who completed her Doctoral degree in Food Processing & Nutrition Science from the Indian Institute of Engineering Science and Technology, Shibpur, West Bengal, India and gained overseas post-doctoral experience from the College of Chemistry and Chemical Engineering Hubei University of China. She has published several scientific research articles in international peer-reviewed journals, and her research interests include the fabrication of biocompatible nanostructures and studying their properties and applications in the area of food science, technology, and biomedical sciences. Shakeel Ahmed, PhD, is an assistant professor of Chemistry at the Higher Education Department, Government of Jammu and Kashmir, India. His PhD degree in Chemistry is from Jamia Millia Islamia, A Central University, New Delhi. He has published several research publications in the area of green nanomaterials and biopolymers for various applications including biomedical, packaging, and water treatment. He has published more than 20 books in the area of nanomaterials and green materials.

Computational and Experimental Methods in Mechanical Engineering - Veeredhi Vasudeva Rao 2021-08-30

This book includes selected peer-reviewed

papers presented at third International Conference on Computational and Experimental Methods in Mechanical Engineering held in June 2021 at G.L. Bajaj Institute of Technology and Management, Greater Noida, U.P, India. The book covers broad range of topics in latest research including hydropower, heat transfer, fluid mechanics, advanced manufacturing, recycling and waste disposal, solar energy, thermal power plants, refrigeration and air conditioning, robotics, automation and mechatronics, and advanced designs. The authors are experienced and experts in their field, and all papers are reviewed by expert reviewers in respective field. The book is useful for industry peoples, faculties, and research scholars.

Contaminants in Agriculture and Environment: Health Risks and Remediation

- Vinod Kumar 2019-06-25

The book entitled "Contaminants in Agriculture and Environment: Health Risks and Remediation" is focused on the emerging contaminants in agriculture and environment and it will be helpful for the researchers, academicians, scientists, UG and PG students and other stakeholders engaged in the field of agriculture and environmental studies. The contaminants of crops, vegetables, fruits, fishes, grains and pulses and their health effects and impact of pollutants on human/animal health, growth and productivity of agricultural crops. Conservation Agriculture - Jaideep Kumar Bisht 2016-11-15

This book showcases a compilation of case studies presented by scientists, teachers and academics and covers contemporary technologies for combating climate change, including sustainable agricultural management practices and conservation agriculture. It highlights the situations that future generations in the Indian Himalayas will face, and addresses the major challenges for tomorrow's generations in their efforts to ensure sufficient food production for the global population. It also sheds light on the factors that are routinely ignored in connection with agricultural management practices for sustainable food production and risk assessment. Lastly, it illustrates the need to develop a comprehensive master plan for strategic planning, including

conservation agriculture practices that address poverty and food security in the wake of climate change impacts.

Molecular Diagnostics in Cancer Patients - Kamla Kant Shukla 2019-03-15

This book aims to bring together a broad variety of examples of the role of pharmacogenomics in current drug development, uncovering dynamic concentration-dependent drug responses on biological systems to understand pharmacodynamics responses in human cancer where genetic lesions serve as tumor markers and provide a basis for cancer diagnosis. The book describes methods and protocols applied in molecular diagnostics. It offers pathologists and researchers providing molecular diagnostic services an array of the most recent and readily accessible reference to compare methods and techniques. Highlights include the molecular diagnosis of genetic aberrations by quantitative polymerase reaction (qPCR), sequence-specific oligonucleotide arrays, next-generation sequencing (NGS), CGH arrays-and methodologies directed at the detection of epigenetic events, high-throughput nucleic acid and protein arrays, direct sequencing and FISH-based methodologies, currently used in the diagnosis of solid tumors. The book also includes an innovative line of treatment in relation to the molecular prognosis, diagnosis and pharmacogenomics in the actual practice of clinical findings at molecular levels. The book covers the applications of numerous genetic testing methodologies; in approximately the chronological order of discovery and high-throughput diagnosis using advanced genomic approaches to identify such genes, in the search for novel drug targets and/or key determinants of drug reactions. It also promotes a wider understanding of molecular diagnostics among physicians, medical students, and scientists in academics, industry and corporate world.

Microbial Metabolism of Xenobiotic Compounds - Pankaj Kumar Arora 2019-06-27

Xenobiotic compounds including pesticides, nitrophenols, pyridine, polycyclic aromatic compounds and polychlorinated biphenyls are widely spread in environment due to anthropogenic activities. Most of them are highly toxic to living beings due to their mutagenic and carcinogenic properties.

Therefore, the removal of these compounds from environment is an essential step for environmental sustainability. Microbial remediation has emerged as an effective technology for degradation of these xenobiotic compounds as microorganisms have unique ability to utilize these compounds as their sole source of carbon and energy. The primary goal of this book is to provide detailed information of microbial degradation of many xenobiotic compounds in various microorganisms.

Applications of Computational Intelligence in Multi-Disciplinary Research - Ahmed A.

Elnagar 2022-02-14

Applications of Computational Intelligence in Multi-Disciplinary Research provides the readers with a comprehensive handbook for applying the powerful principles, concepts, and algorithms of computational intelligence to a wide spectrum of research cases. The book covers the main approaches used in computational intelligence, including fuzzy logic, neural networks, evolutionary computation, learning theory, and probabilistic methods, all of which can be collectively viewed as soft computing. Other key approaches included are swarm intelligence and artificial immune systems. These approaches provide researchers with powerful tools for analysis and problem-solving when data is incomplete and when the problem under consideration is too complex for standard mathematics and the crisp logic approach of Boolean computing. Provides an overview of the key methods of computational intelligence, including fuzzy logic, neural networks, evolutionary computation, learning theory, and probabilistic methods Includes case studies and real-world examples of computational intelligence applied in a variety of research topics, including bioinformatics, biomedical engineering, big data analytics, information security, signal processing, machine learning, nanotechnology, and optimization techniques Presents a thorough technical explanation on how computational intelligence is applied that is suitable for a wide range of multidisciplinary and interdisciplinary research

Big Data Analytics for Smart and Connected Cities - Dey, Nilanjan 2018-09-07

To continue providing people with safe, comfortable, and affordable places to live, cities

must incorporate techniques and technologies to bring them into the future. The integration of big data and interconnected technology, along with the increasing population, will lead to the necessary creation of smart cities. Big Data Analytics for Smart and Connected Cities is a pivotal reference source that provides vital research on the application of the integration of interconnected technologies and big data analytics into the creation of smart cities. While highlighting topics such as energy conservation, public transit planning, and performance measurement, this publication explores technology integration in urban environments as well as the methods of planning cities to implement these new technologies. This book is ideally designed for engineers, professionals, researchers, and technology developers seeking current research on technology implementation in urban settings.

Remote Sensing and Geographic Information Systems for Policy Decision Support - R. B. Singh 2022-05-26

The management of data to understand complex and interwoven processes of sustainable development has been a great challenge for researchers, planners, and decision makers. Remote sensing and GIS-based policy decision support systems not only help them to solve spatially related environmental and socio-economic issues; they also provide a powerful tool for integrating spatial and non-spatial datasets with analytical and spatial models and knowledge domains. Recent advances in the modern spatial tools of remote sensing and GIS combined with advanced computation techniques have enhanced the efficiency and capabilities of policy development. This book expands the scientific knowledge base in various physical and socio-economic issues among scholars, planners, and decision makers for policy development and research regarding sustainable development. It also demonstrates the importance of modern spatial decision support tools of remote sensing and GIS to better understand sustainable development processes and policy development. Furthermore, the book discusses case studies providing new insights as to how remote sensing and GIS-based decision support systems contribute to understanding physical and socio-economic

processes and developing pragmatic policy for sustainable development. This book covers land surface temperature, hydrological processes, terrain mapping, flood and landslide hazards, land use and land cover dynamics, crime hotspots, urban health issues, tourism, agriculture, forest management, flood mitigation, urban sprawl, and village information systems, among others. Readers will find this book to be an invaluable resource for understanding and solving diverse physical and human issues for policy development related to sustainable planning and management.

Enzymes in the Valorization of Waste - Pradeep Verma 2022-12-19

Enzymes in the Valorization of Waste: Next-Gen Technological Advances for Sustainable Development of Enzyme-based Biorefinery focusses on key enzymes which are involved in the development of integrated biorefinery. It highlights the modern next-gen technologies for promoting the application of sustainable and greener enzymatic steps at industrial scale for the development of futuristic and self-sustainable "consolidated/integrated biorefinery/enzyme-based biorefinery." It also deals with technological advancement for improvement of enzyme yield or specificity, conversion capability, such as protein and metabolic engineering and advances in next generation technologies, and so forth. Features:

- Explores all modern-day technologies that can potentially be used in enzyme-based biorefinery conversion of wastes to value-added products.
- Covers technological, economic, and environmental assessments of enzyme-based biorefinery prospects.
- Deliberates all possible products that can be generated from wastes including biofuel and essential chemicals.
- Illustrates techniques for enhanced yield and properties to be used in various industrial applications.
- Reviews advanced information of relevant sources and mechanism of enzymes.

This book is aimed at graduate students, researchers and related industry professionals in biochemical engineering, environmental science, wastewater treatment, biotechnology, applied microbiology, biomass-based biorefinery, biochemistry, green chemistry, sustainable development, waste treatment, enzymology, microbial biotechnology, and waste valorization.

Proceedings of International Conference on Computer Vision and Image Processing - Balasubramanian Raman 2016-12-22

This edited volume contains technical contributions in the field of computer vision and image processing presented at the First International Conference on Computer Vision and Image Processing (CVIP 2016). The contributions are thematically divided based on their relation to operations at the lower, middle and higher levels of vision systems, and their applications. The technical contributions in the areas of sensors, acquisition, visualization and enhancement are classified as related to low-level operations. They discuss various modern topics - reconfigurable image system architecture, Scheimpflug camera calibration, real-time autofocus, climate visualization, tone mapping, super-resolution and image resizing. The technical contributions in the areas of segmentation and retrieval are classified as related to mid-level operations. They discuss some state-of-the-art techniques - non-rigid image registration, iterative image partitioning, egocentric object detection and video shot boundary detection. The technical contributions in the areas of classification and retrieval are categorized as related to high-level operations. They discuss some state-of-the-art approaches - extreme learning machines, and target, gesture and action recognition. A non-regularized state preserving extreme learning machine is presented for natural scene classification. An algorithm for human action recognition through dynamic frame warping based on depth cues is given. Target recognition in night vision through convolutional neural network is also presented. Use of convolutional neural network in detecting static hand gesture is also discussed. Finally, the technical contributions in the areas of surveillance, coding and data security, and biometrics and document processing are considered as applications of computer vision and image processing. They discuss some contemporary applications. A few of them are a system for tackling blind curves, a quick reaction target acquisition and tracking system, an algorithm to detect for copy-move forgery based on circle block, a novel visual secret sharing scheme using affine cipher and image interleaving, a finger knuckle print recognition

system based on wavelet and Gabor filtering, and a palmprint recognition based on minutiae quadruplets.

Nanomaterials in Bionanotechnology -

Ravindra Pratap Singh 2021-08-18

Nanomaterials in Bionanotechnology: Fundamentals and Applications offers a comprehensive treatment of nanomaterials in biotechnology from fundamentals to applications, along with their prospects. This book explains the basics of nanomaterial properties, synthesis, biological synthesis, and chemistry and demonstrates how to use nanomaterials to overcome problems in agricultural, environmental, and biomedical applications. Features Covers nanomaterials for environmental analysis and monitoring for heavy metals, chemical toxins, and water pollutant detection Describes nanomaterials-based biosensors and instrumentation and use in disease diagnosis and therapeutics Discusses nanomaterials for food processing and packaging and agricultural waste management Identifies challenges in nanomaterials-based technology and how to solve them This work serves as a reference for industry professionals, advanced students, and researchers working in the discipline of bionanotechnology.

Organic Solar Cells - Pankaj Kumar 2016-10-03

This book contains detailed information on the types, structure, fabrication, and characterization of organic solar cells (OSCs). It discusses processes to improve efficiencies and the prevention of degradation in OSCs. It compares the cost-effectiveness of OSCs to those based on crystalline silicon and discusses ways to make OSCs more economical. This book provides a practical guide for the fabrication, processing, and characterization of OSCs and paves the way for further development in OSC technology.

Information and Communication Technology for Intelligent Systems - Tomonobu Senjyu

2020-10-21

This book gathers papers addressing state-of-the-art research in all areas of information and communication technologies and their applications in intelligent computing, cloud storage, data mining and software analysis. It presents the outcomes of the Fourth International Conference on Information and

Communication Technology for Intelligent Systems, which was held in Ahmedabad, India. Divided into two volumes, the book discusses the fundamentals of various data analysis techniques and algorithms, making it a valuable resource for researchers and practitioners alike.

Ants are Silent - Jyotsana Chauhan

Nanomaterials in Plants, Algae, and Microorganisms - Durgesh Kumar Tripathi
2017-11-20

Nanomaterials in Plants, Algae and Microorganisms: Concepts and Controversies: Volume One discusses the vast amount of nanomaterials that have been released into the environment in a relatively short amount of time. There is a need to understand what the implications to the health of our biota and ecosystems are as the earth is increasingly inundated with these materials. Not all of the effects are negative, but their impacts are increasing exponentially due to their size, quantity and other factors. Covers the issues of nanoparticles on more simple organisms and their ecosystems Presents issues that are specific to terrestrial ecosystems Contains contributions from global experts who help increase understanding at the physiological, biochemical, molecular, and even genomic and proteomic levels Provides a critical assessment of the progress taking place on this topic and sheds light on future research needs

Lions 322E District Directory - Lion Anupam Singhania, District Governor 2016-08-11

Print Edition of Lions District 322E Directory for the year 2016-17 is released by District Governor Lion Anupam Singhania. This Digital Edition is replica of the same, to enable portability of the book through Mobile Phones. It also saves plenty of Paper and saves Trees.

Progress in Intelligent Computing Techniques: Theory, Practice, and Applications - Pankaj Kumar Sa 2017-08-03

The book focuses on both theory and applications in the broad areas of communication technology, computer science and information security. This two volume book contains the Proceedings of 4th International Conference on Advanced Computing, Networking and Informatics. 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.

The Management Accountant - 1988

Nanomaterials in Bionanotechnology -

Ravindra Pratap Singh 2021-08-18

Nanomaterials in Bionanotechnology: Fundamentals and Applications offers a comprehensive treatment of nanomaterials in biotechnology from fundamentals to applications, along with their prospects. This book explains the basics of nanomaterial properties, synthesis, biological synthesis, and chemistry and demonstrates how to use nanomaterials to overcome problems in agricultural, environmental, and biomedical applications. Features Covers nanomaterials for environmental analysis and monitoring for heavy metals, chemical toxins, and water pollutant detection Describes nanomaterials-based biosensors and instrumentation and use in disease diagnosis and therapeutics Discusses nanomaterials for food processing and packaging and agricultural waste management Identifies challenges in nanomaterials-based technology and how to solve them This work serves as a reference for industry professionals, advanced students, and researchers working in the discipline of bionanotechnology.

Current Affairs Manual 2022 - Power Learning 2022-10-29

Diamond Power Learning has come up with a Nine Monthly- Current Affairs Manual, for the year 2014-15. The manual comprises of different sections like Add-ons which has General Knowledge topics like Important Facts about the Earth, Important Crops of India, Indian States with International Boundaries, Important National Highways, Important Rivers and River Valley Projects of India, Important Towns on the River Banks, Sanctuaries and Parks in India, Mineral Resources of India, Nation and their Emblems, Biggest-Highest-Longest and the Largest in the World, Inventions and

Discoveries, Nicknames of Important Indian Places, Newspaper/Journals in the History of India, Important Institutions of India, Basic Facts about the Human Body and many more. We have a special section for the readers for the In-Press News, which have covered the important Highlights of the time when the manual was about to be printed. One special Highlight is covered in an article form which comes under the section of News of the Months, with added MCQs to them. We have covered News under various sub-topics dated from Aug-14 till date, like Persons and Places in News, Appointments and Resignations, Awards and Honors, Bills/Laws/Constitutions, Books and Authors, Summits/Events and Conferences, Obituaries, National, International, India and the World, State, Sports, Science and Technology & Defence, Economy, Banking & RBI, Corporate, Reports and Surveys, Miscellaneous and have given various types of MCQs for the competitive Examinations. Union Budget, Railway Budget for the year 2015-16, Economic Survey for the year 2015 and Census 2011 is also there in the manual and a separate Questionnaire is also there. Articles on different burning topics have also been included. Furthermore, the magazine consists of a special section that has a collection of different types of MCQs for the competitive examinations. All in all, the Nine Monthly Manual from Diamond Magazines is a sure pathway to success in the competitive examinations.

International Conference on Innovative Computing and Communications -

Ashish Khanna 2021-08-28

This book includes high-quality research papers presented at the Fourth International Conference on Innovative Computing and Communication (ICICC 2021), which is held at the Shaheed Sukhdev College of Business Studies, University of Delhi, Delhi, India, on February 20-21, 2021. Introducing the innovative works of scientists, professors, research scholars, students and industrial experts in the field of computing and communication, the book promotes the transformation of fundamental research into institutional and industrialized research and the conversion of applied exploration into real-time applications.

Proceedings of Fifth International Conference on Soft Computing for Problem Solving - Millie Pant 2016-04-20

The proceedings of SocProS 2015 will serve as an academic bonanza for scientists and researchers working in the field of Soft Computing. This book contains theoretical as well as practical aspects using fuzzy logic, neural networks, evolutionary algorithms, swarm intelligence algorithms, etc., with many applications under the umbrella of 'Soft Computing'. The book will be beneficial for young as well as experienced researchers dealing across complex and intricate real world problems for which finding a solution by traditional methods is a difficult task. The different application areas covered in the proceedings are: Image Processing, Cryptanalysis, Industrial Optimization, Supply Chain Management, Newly Proposed Nature Inspired Algorithms, Signal Processing, Problems related to Medical and Health Care, Networking Optimization Problems, etc. *Water Quality Management* - Vijay P Singh 2018-01-12

This book comprises two parts. The first part deals with some aspects of wastewater treatment, encompassing various types of technologies for treating wastewater and evaluation. The technologies, biochemical as well as chemical, including evaluation of technologies are also discussed. Part 2 is on solid waste management. It includes both municipal and industrial waste management. The book is of interest to researchers and practitioners in the field of water resources, hydrology, environmental resources, agricultural engineering, watershed management, earth sciences, as well as those engaged in natural resources planning and management. Graduate students and those wishing to conduct further research in water and environment and their development and management find the book to be of value.

Antimicrobial and Antiviral Materials - Peerawatt Nunthavarawong 2022-03-17

Emerging microbial and viral infections are a serious challenge to health, safety, and economics around the world. Antimicrobial and antiviral technologies are needed to disrupt the progression and replication of bacteria and

viruses and to counter their rapidly evolving resistance. This book discusses recent developments in materials science and engineering in combating infectious diseases and explores advances in antimicrobial and antiviral materials, including polymers, metals, and ceramics and their applications in the fight against pathogens. Features • Covers progress in biomimetic antimicrobial and antiviral materials and antimicrobial/antiviral bulk materials and coatings • Describes modern methods for disinfection of biomedical materials against microbial and viral infection resistance, especially for depressing novel coronavirus (COVID-19) • Details methods to improve material properties to have a longer service life in combating infection • Emphasizes chemical, physical, mechanical, tribological, and antimicrobial/antiviral properties • Offers current and future applications of emerging antimicrobial/antiviral technologies This book will be of interest to materials researchers and industry professionals focusing on antimicrobial and antiviral applications.

Microbial Technology for the Welfare of Society - Pankaj Kumar Arora 2019-09-12

This book describes various aspects of modern microbiology including microbial enzymes, secondary metabolites, next-generation sequencing, microbial-based biopesticides, microbial-based cancer therapies, biodiesel, and microbial products from fermentation, biodegradation, bioremediation and wastewater treatment. Further, it explains how and why microbes play an important role in preserving the welfare of living beings and the environment. Many bacteria play a significant part in cleaning our environment by detoxifying various xenobiotic compounds, while several microbes produce secondary metabolites that are useful to human beings. The book is divided into 15 chapters that cover various aspects of microorganism-based biotechnology, including recent methodologies such as advanced molecular techniques, as well developments in classical microbiological techniques. The authors also explain how the latest and classical techniques are being used in modern-day microbial biotechnology. All chapters were written by experts from prominent universities, research laboratories, and institutes around the

globe. Above all, they focus on recent advances in microbial technology that promote the welfare of living beings and the environment.

Nanobiotechnology - Rajesh Singh Tomar
2020-04-20

This new book, *Nanobiotechnology: Concepts and Applications in Health, Agriculture, and Environment*, presents a broad conceptual overview regarding the synthesis, applications, and toxicological aspects of nanobiotechnology. It focuses on the entrance into and interaction of nanomaterials in the human body, which has generated intense scientific curiosity, attracting much attention as well as increasing concern from the nanomaterial-based industries and academia across the world. This book looks at the scientific aspects of nanomaterials used in many applications of biosciences, taking an interdisciplinary approach that encompasses medicine, biology, pharmacy, physics, chemistry, engineering, nanotechnology, and materials science. The volume covers the basics of nanosciences and nanotechnology; different schemes and routes of synthesis; and various biological applications, including sensing, medicine, drug delivery systems, and remediation. Further, special chapters will be devoted to nanotoxicology and the developing risk factors associated with nanosized particles during use along with the ethical issues related to nanobiotechnology.

Rhizosphere Engineering - Ramesh Chandra Dubey
2022-02-25

Rhizosphere Engineering is a guide to applying environmentally sound agronomic practices to improve crop yield while also protecting soil resources. Focusing on the potential and positive impacts of appropriate practices, the book includes the use of beneficial microbes, nanotechnology and metagenomics. Developing and applying techniques that not only enhance yield, but also restore the quality of soil and water using beneficial microbes such as *Bacillus*, *Pseudomonas*, vesicular-arbuscular mycorrhiza (VAM) fungi and others are covered, along with new information on utilizing nanotechnology, quorum sensing and other technologies to further advance the science. Designed to fill the gap between research and application, this book is written for advanced students, researchers and those seeking real-world insights for

improving agricultural production. Explores the potential benefits of optimized rhizosphere. Includes metagenomics and their emerging importance. Presents insights into the use of biosurfactants.

Current Affairs Refresher 2020 - Arihant Experts
2020-10-07

1. Current Affairs Refresher 2020 is an important event from January 2020 to August 2020. 2. Hot Shots: covers all the latest events occurred in the country. 3. Current Affairs: provides the latest information about the National and International happenings, Economy, Banking, Science & Technology, Space etc. 4. More than 500 Current Shooters are given for quick coverage of the events. 5. Who's Who is given to provide the basic knowledge about the countries, states and appointed officials. 6. Highly useful for IBPS & SBI (PO, Clerk), NDA, CDS, SSC (CGL, 10+2, MTS), Railways, Delhi Police Constable, OPSE, BPSE, other State Level exams. It's been 8 months and this year has been on a wild roller coaster ride. Year 2020 has witnessed some of the major historic events - including California Forest Fire, Assam Floods, introduction of New Education Policy, Retirement of sports persons and demise of many great personalities. These events have affected our daily lives and have become even more important for the students as Current Affairs and awareness is a big part of their school curriculum and various competitive examinations. "Current Affairs Refresher 2020" is a new edition that is designed to give complete coverage of all important events from January 2020 to August 2020 in a concise manner. Inside the Pages you will find Hot Shot: which covers all the latest hot topics that are making buzz, Current Affairs: that provides the latest information about the National and International happenings, Economy, Banking, Science & Technology, Space etc. This magazine also includes more than 500 current shooters and lastly Who's Who, which tells about Country name, Capital, Currency, Official Languages and many more who have been currently appointed. It is highly useful for IBPS & SBI (PO, Clerk), NDA, CDS, SSC (CGL, 10+2, MTS), Railways, Delhi Police Constable, OPSE, BPSE, other State Level exams. TABLE OF CONTENT Hot shot, Current Affairs, 500+ Shooters, Who's Who.

Research Anthology on Emerging

Techniques in Environmental Remediation - Management Association, Information Resources 2021-11-26

As industry develops globally, environmental pollution grows to be an increasingly serious problem with each passing year. While there are many things that individuals on every level of power can do to mitigate the harm done to the environment, environmental remediation is a step to take to save our soil and water resources. As this problem is ongoing, it is essential to be knowledgeable in the emerging techniques made within the field of environmental remediation. The Research Anthology on Emerging Techniques in Environmental Remediation is a comprehensive resource on the emerging techniques and developments made within the field of environmental remediation. With global contributing authors, this book explores environmental remediation within diverse settings and international standards. Covering topics such as pollution and contamination, nanotechnology, and agriculture, this book is an essential reference for scientists, chemists, environmentalists, government officials, professors, students, researchers, conservationists, and academicians.

Wisden India Almanack 2019 & 20 - Suresh Menon 2019-11-14

The World Cup returned to England after 20 years; the Almanack tells the story of the tournament and pays a tribute to the winners. What did it take to win? Writers include Sir Viv Richards, Ian Chappell, Yuvraj Singh. Mike Brearley discusses India's reaction to the new and untested, and finds a pattern there. British actor and director Harry Burton recalls his playing days with Nobel Laureate and cricket fan Harold Pinter. Former CBI chief R K Raghavan details the match fixing saga that nearly brought Indian cricket to its knees while Nandan Kamat seeks a law against fixing. Gulu Ezekiel details the collector's life, and what makes it special. Andreas Campomar writes about a commemorative game in Argentina, where cricket has been played for 150 years. Writers include the world's finest, Gideon Haigh, Rahul Bhattacharya, Geoff Lemon, Andrew Fernando, Sidhartha Monga, Sandeep Dwivedi, Neil Manthorp, Peter Lalor, Tim Wigmore. Unmukt Chand describes his struggles while

Karunya Keshav and Snehal Pradhan capture the drama and the possibilities in women's cricket around the world. The quality of the writing remains consistently high while there are surprises and breath-taking material galore. The Six Cricketers of the Year and the Personality of the Year take their place among the other Wisden India Almanack staples: obituaries, book reviews, chronicles and the editor's notes. Mumbai's dramatic IPL win and the tournament details and commentary give the season at a glance. Who are the some of the country's best-known club cricketers, those who played for years and became local celebrities but seldom went on to bigger things? Wisden India Almanack tells their story. The international season, the domestic season complete with the details of the first class and other matches and records from the lower levels to the international, have been meticulously collected in this, the most respected annual cricket reference manual.

Disaster Management, Corporate Social Responsibility and Conservation Issues - Amit Kumar Thakur, 2018-03-23

The vulnerability of various regions of the world towards disasters, both natural and anthropogenic, is widely known. Disasters such as landslides, earthquakes, floods have a long-lasting effect on the environment and socio-economic systems. These disasters have been occurring at regular intervals of time and the economic and social cost of these mount every year. Disaster Management, Corporate Social Responsibility, and Conservation Issues deals with the fundamental principles and current practices in the field of disasters. The book covers various environmental challenges and issues related to natural disasters that affect all forms of life. It discusses how disasters can be managed and the role corporate social responsibility can play in addressing the issues. The book also provides conservation steps that can help in mitigating disasters. Experts from different fields have contributed diverse, technical, and best concepts. Through the writings, the book will make readers better prepared for the challenges of disaster management and strive towards sustainable development.

THEETAS 2022 - Mahesh Jangid 2022-06-08

The International Conference on Emerging Trends in Artificial Intelligence and Smart Systems (Theetas-2022) has organized by The Computer Society of India, Jabalpur Chapter and Department of Computer Science, AKS University, Satna. Artificial Intelligence has created a revolution in every aspect of human life. Techniques like machine learning, deep learning, natural language processing, robotics are applied in various domains to ease the human life. Recent years have witnessed tremendous growth of Artificial Intelligence techniques & its revolutionary applications in the emerging smart city and various automation applications. THEETAS-2022 will provide a global forum for sharing knowledge, research, and recent innovations in the field of Artificial Intelligence, Smart Systems, Machine Learning, Big Data, etc. This Conference will focus on the quality work and key experts who provide an opportunity in bringing up innovative ideas. The conference theme is specific & concise in terms to the development in the field of Artificial Intelligence & Smart Systems.

Applications of Advanced Optimization Techniques in Industrial Engineering -

Abhinav Goel 2022-03-10

This book provides different approaches used to analyze, draw attention, and provide an understanding of the advancements in the optimization field across the globe. It brings all of the latest methodologies, tools, and techniques related to optimization and industrial engineering into a single volume to build insights towards the latest advancements in various domains. Applications of Advanced Optimization Techniques in Industrial Engineering includes the basic concept of optimization, techniques, and applications related to industrial engineering. Concepts are introduced in a sequential way along with explanations, illustrations, and solved examples. The book goes on to explore applications of operations research and covers empirical properties of a variety of engineering disciplines. It presents network scheduling, production planning, industrial and manufacturing system issues, and their implications in the real world. The book caters to academicians, researchers, professionals in inventory analytics, business analytics, investment managers, finance firms,

storage-related managers, and engineers working in engineering industries and data management fields.

Agricultural Biotechnology: Latest Research and Trends - Dinesh Kumar Srivastava 2021

This book caters to the need of researchers working in the ever-evolving field of agricultural biotechnology. It discusses and provides in-depth information about latest advancements happening in this field. The book discusses evolution of plant tissue culture techniques, development of doubled haploids technology, role of recombinant-DNA technology in crop improvement. It also provides an insight into the global status of genetically modified crops, use of RNAi technology and mi-RNAs in plant improvement. Chapters are also dedicated for different branches of "omics" science including genomics, bioinformatics, proteomics, metabolomics and phenomics along with the use of molecular markers in tagging and mapping of various genes/QTLs of agronomic importance. This book also covers the role of enzymes and microbes in agriculture in productivity enhancement. It is of interest to teachers, researchers of biotechnology and agriculture scientists. Also the book serves as additional reading material for undergraduate and postgraduate students of biotechnology, agriculture, horticulture, forestry, ecology, soil science, and environmental sciences. National and international biotechnologists and agricultural scientists will also find this to be a useful read.

Innovations in Food Technology - Pragya Mishra 2020-10-12

This book gathers a collection of essays that describe recent innovations in food technology including food processing, packaging, food safety, and novel ingredients. By 2050, the world will face the challenge of having to feed an estimated 9 billion people. In order to meet that challenge, innovations in food research are of the utmost importance. The book is divided into four sections, each of which explores an important aspect like food processing, food microbiology, and nutritional security. Written by respected scholars in the field, the respective chapters discuss a range of new and enhanced food materials, as well as processing innovations to extend shelf life and reduce toxic effects. The

book also addresses the health potential of various nutraceuticals, bio-absorption of metals and their positive impacts on living systems, as well as methods for reducing food wastage, preventing the loss of nutritive value, and preserving or enhancing palatability. Given its scope, the book will be highly interesting for food scientists, both in academia and the food industry. It will also benefit advanced graduate students and senior researchers.

Current State and Future Impacts of Climate Change on Biodiversity - Rathoure, Ashok Kumar
2019-11-29

Understanding the balance of society and nature is imperative when researching ecosystems and their global influence. A method of studying the health of these ecosystems is biodiversity. The more diverse the species that live in an ecosystem, the healthier it is. As the climate continues to transform, small-scale ecosystems are affected, altering their diversity.

Environmentalists need a book of research that studies the specific impacts of climate change and how it affects the future of the environment. *Current State and Future Impacts of Climate Change on Biodiversity* is a pivotal reference source that provides vital research on biological systems and how climate change influences their health. While highlighting topics such as genetic diversity, economic valuation, and climatic conditions, this publication explores the effects of climate change as well as the methods of sustainable management within ecosystems. This book is ideally designed for environmental scientists, environmental professionals, scientists, ecologists, conservationists, government officials, policymakers, agriculturalists, environmentalists, zoologists, botanists, entomologists, urban planners, researchers, scholars, and students seeking

research on current and future developments of various ecosystems.

Recent Trends in Thermal Engineering - L. M. Das 2021-09-15

This book presents select proceedings of the 3rd International Conference on Computational and Experimental Methods in Mechanical Engineering (ICCEMME 2021). It gives an overview of recent developments in the field of fluid dynamics and thermal engineering. Topics covered include case studies in thermal engineering, combustion engines, computational fluid dynamics (cfd), cooling systems, energy conservation, energy conversion, renewable energy, bio fuels, gas turbines, heat exchangers and heat transfer systems, heat pipes and pumps, heat transfer augmentation, refrigeration and HVAC systems, fluids engineering, energy and process, and thermal power plants. The book will be useful for researchers and professionals working in the area of thermal engineering and allied fields.

Competition Science Vision - 2003-10

Competition Science Vision (monthly magazine) is published by Pratiyogita Darpan Group in India and is one of the best Science monthly magazines available for medical entrance examination students in India. Well-qualified professionals of Physics, Chemistry, Zoology and Botany make contributions to this magazine and craft it with focus on providing complete and to-the-point study material for aspiring candidates. The magazine covers General Knowledge, Science and Technology news, Interviews of toppers of examinations, study material of Physics, Chemistry, Zoology and Botany with model papers, reasoning test questions, facts, quiz contest, general awareness and mental ability test in every monthly issue.