Murali Naresh I Technologies

Metalloids in Plants - Rupesh Deshmukh 2020-05-18 Understanding metalloids and the potential impact they can have upon crop success or failure Metalloids have a complex relationship with plant life. Exhibiting a combination of metal and non-metal characteristics, this small group of elements – which includes boron (B), silicon (Si), germanium (Ge), arsenic (As), antimony (Sb), and tellurium (Te) – may hinder or enhance the growth and survival of crops. The causes underlying the effects that different metalloids may have upon certain plants range from genetic variance to anatomical factors, the complexities of which can pose a challenge to botanists and agriculturalists of

all backgrounds. With Metalloids in Plants, a group of leading plant scientists present a complete guide to the beneficial and adverse impacts of metalloids at morphological, anatomical, biochemical, and molecular levels. Insightful analysis of data on genetic regulation helps to inform the optimization of farming, indicating how one may boost the uptake of beneficial metalloids and reduce the influence of toxic ones. Contained within this essential new text, there are: Expert analyses of the role of metalloids in plants, covering their benefits as well as their adverse effects Explanations of the physiological, biochemical, and genetic factors at play in plant uptake of metalloids Outlines of the breeding and genetic engineering techniques involved in the generation of resistant crops Written for students and professionals in the fields of agriculture, botany, molecular biology, and biotechnology, Metalloids in Plants is an invaluable overview of the relationship between crops and these unusual elements.

Proceedings of Fourth International Conference on Inventive Material Science Applications - V. Bindhu 2021-11-20
The volume is a collection of best selected research papers presented at the 4th International Conference on Inventive Material Science Applications (ICIMA 2021) organized by PPG Institute of Technology, Coimbatore, India during 14 – 15 May 2021. The book includes original research by material science researchers towards developing a compact and efficient functional elements and structures for micro, nano and optoelectronic applications. The book covers important topics like nanomaterials and devices, optoelectronics, sustainable electronic materials, nanocomposites and nanostructures, hybrid electronic materials, medical electronics, computational material science, wearable electronic devices and models,

and optical/nano-sensors.

Soft Computing Techniques in Solid Waste and Wastewater Management - Rama Karri 2021-07-24
Soft Computing Techniques in Solid Waste and Wastewater Management is a thorough guide to computational solutions for researchers working in solid waste and wastewater management operations. This book covers in-depth analysis of process variables, their effects on overall efficiencies, and optimal conditions and procedures to improve performance using soft computing techniques. These topics coupled with the systematic analyses described will help readers understand various techniques that can be effectively used to achieve the highest performance. In-depth case studies along with discussions on applications of various soft-computing techniques help readers control waste processes and come up with short-term, mid-term and long-term strategies. Waste management is an increasingly important field due to rapidly increasing levels of waste production around the world. Numerous potential solutions for reducing waste production are underway, including applications of machine learning and computational studies on waste management processes. This book details the diverse approaches and techniques in these fields, providing a single source of information researchers and industry practitioners. It is ideal for academics, researchers and engineers in waste management, environmental science, environmental engineering and computing, with relation to environmental science and waste management. Provides a comprehensive reference on the implementation of soft computing techniques in waste management, drawing together current research and future implications Includes detailed algorithms used, enabling authors to understand and appreciate potential applications Presents relevant

case studies in solid and wastewater management that show real-world applications of discussed technologies

U- and E-Service, Science and Technology - Tai-hoon Kim 2011-11-29
This book constitutes the refereed proceedings of the International Conference, UNESST 2011, held as Part of the Future Generation Information Technology Conference, FGIT 2011, Jeju Island, Korea, in December 2011. The papers presented were carefully reviewed and selected from numerous submissions and focuse on the various aspects of u- and e-service, science and technology.

Advanced Computing - Deepak Garg 2021-02-10
This two-volume set (CCIS 1367-1368) constitutes reviewed and selected papers from the 10th International Advanced Computing Conference, IACC 2020, held in December 2020. The 65 full papers and 2 short papers presented in two volumes were thoroughy reviewed and selected from 286 submissions. The papers are organized in the following topical sections: Application of Artificial Intelligence and Machine Learning in Healthcare; Using Natural Language Processing for Solving Text and Language related Applications; Using Different Neural Network Architectures for Interesting applications; Using AI for Plant and Animal related Applications.- Applications of Blockchain and IoT.- Use of Data Science for Building Intelligence Applications; Innovations in Advanced Network Systems; Advanced Algorithms for Miscellaneous Domains; New Approaches in Software Engineering.

Smart Technologies in Data Science and Communication - Sanjoy Kumar Saha 2021-06-08
This book features high-quality, peer-reviewed research papers presented at the Fourth International Conference on Smart Technologies in Data Science and Communication (SMART-DSC 2021), held in Koneru Lakshmaiah Education Foundation, Guntur, Andhra

Pradesh, India, on 18–19 February 2021. It includes innovative and novel contributions in the areas of data analytics, communication, and soft computing.

Spirituality in the Biomedical World - Guy Jobin 2020-06-22 The need to take the spiritual experience during illness into account is part of a broader trend in Western societies—a fascination with the practical uses of spirituality and its contribution to individual wellbeing, whether through a religious or a humanist tradition. This understanding of spirituality differs from traditional views embedded in religious traditions. This book takes a critical point of view at the biomedical representation of the function of spirituality in care. Medicine reorders notions such as life, death, health, sickness, and spirituality. This process is called here "sapientialization", i.e. the spiritual experience is expressed and understood under the auspices of and in terms of wisdom. This view tends to identify spirituality and ethics. I propose an alternate understanding of spirituality, grounded on its subversive power. Inspired by the work of the theologian John D. Caputo, it is critical of some problems that are associated with the sapientialization of spirituality in biomedicine, such as the medicalization of spiritual experiences or the instrumentalization of spirituality. It provides an understanding of spirituality that honours both the medical interest in it and its capacity to resist to instrumentalization. *Voice & Data* - 2003

Scope Forward - Praveen Suthrum 2020 No one in the medical field is free from the impact of COVID-19, including gastroenterologists. But the pandemic has only accelerated trends that started years ago. Health systems and insurance companies have become more powerful. Private equity has fueled consolidation. Colon cancer screening options have expanded. Artificial intelligence has embe.

Innovations in Information and Communication Technologies - Deepak Garg 2022-09-18 This book gathers selected papers presented at the International Conference on Innovations in Information and Communication Technologies (ICIICT 2022), held in Thailand during April 15–16, 2022. It presents the works on the intersection of the Computer Science and Communication Engineering. Topics covered in the book include communications engineering, Internet and web technology, computer and information science, artificial intelligence, data science and management, and ICT applications.
IBM PowerVM Virtualization Active Memory Sharing - Allyson Brito 2012-11-14 This IBM® RedpaperTM publication introduces PowerVMTM Active MemoryTM Sharing on IBM Power SystemsTM based on POWER6® and later processor technology. Active Memory Sharing is a virtualization technology that allows multiple partitions to share a pool of physical memory. This is designed to increase system memory utilization, thereby enabling you to realize a cost benefit by reducing the amount of physical memory required. The paper provides an overview of Active Memory Sharing, and then demonstrates, in detail, how the technology works and in what scenarios it can be used. It also contains chapters that describe how to configure, manage and migrate to Active Memory Sharing based on hands-on examples. The paper is targeted to both architects and consultants who need to understand how the technology works to design solutions, and to technical specialists in charge of setting up and managing Active Memory Sharing environments. For performance related information, see: ftp://ftp.software.ibm.com/common/ssi/sa/wh/n/pow03017usen/POW03017USEN.PDF
Advances in Chemical, Bio and Environmental Engineering - Jatinder Kumar Ratan 2022 This book focuses on the state-

of-the-art research, development, and commercial prospective of recent advances in chemical sciences. The innovative work in the field of Environmental Engineering, Bio-chemical Engineering, Chemical Engineering, Nanotechnology, Environment Impact Assessment, Green Technologies. The contents in this book cover various design concepts and control and optimization for applications in Chemical, Bio and Environmental Engineering, manufacturing, Physics, Chemistry and Biological sciences. This book will be useful resource for researchers, academicians as well as professionals interested in the highly interdisciplinary field of Chemical, Bio and Environmental Engineering.

India's Global Wealth Club - Geoff Hiscock 2008
"The Indian entrepreneur is spearheading India's advance towards the forefront of the world economy. This book reviews and retraces the formidable path of those individuals who have spurred the growth of Indian businesses and are at the heart of India's economic fabric today. Be they 'first' or 'second' wave businessmen and women, they stand out by their creativity, sharp-mindedness, and hard work and self confidence. They have opened a new chapter in India's history by propelling their businesses into internationally competitive multinationals and are sources of inspiration and hope for the young citizens of India."
—Colette Mathur, Senior Advisor to the World Economic Forum for India, Co-President of the EuroIndia Centre BI"India's Global Wealth Club is a fascinating read on today's India and what it can offer for the future. It provides rich insights on the confusing topic of what makes India tick, by describing it through the minds and intellects of Indian business leaders from a wide spectrum of industries."
—Rama Bijapurkar, Author of Winning in the Indian Market: Understanding the Transformation of Consumer

India "Mr Hiscock's book will prove an essential resource for anybody contemplating venturing into the highly lucrative but deeply complex Indian marketplace. The industry case studies and personal profiles hold valuable and often unmatched insights into the financial secrets of the subcontinent's restive tiger." —Grant Holloway, Managing Editor, The Australian - Online Environmental Management - I. V Murali Krishna 2017-01-23 Environmental Management: Science and Engineering for Industry consists of 18 chapters, starting with a discussion of International Environmental Laws and crucial environmental management tools, including lifecycle, environmental impact, and environmental risk assessments. This is followed by a frank discussion of environmental control and abatement technologies for water, wastewater, soil, and air pollution. In addition, this book also tackles Hazardous Waste Management and the landfill technologies available for the disposal of hazardous wastes. As managing environmental projects is a complex task with vast amounts of data, an array of regulations, and alternative engineering control strategies designed to minimize pollution and maximize the effect of an environmental program, this book helps readers further understand and plan for this process. Contains the latest methods for Identifying, abating, or eliminating pollutants from air, water, and land Presents up-to-date coverage on environmental management tools, such as risk assessment, energy management and auditing, environmental accounting, and impact assessments Includes methods for collecting and synthesizing data derived from environmental assessments *Compendium of KEY ISSUES UNDER CORPORATE LAW* - Dr. K. R. Chandratre 2021-03-15
About the Book With the rapid change in statutory environment, Corporate Law has also been evolving at faster pace from past several

decades. The complexities in the laws have also been rising, which poses constant challenge to practising professionals. There also exist a lot of issues which perhaps may not be addressed by legislation and delegated legislation, some of which are addressed by the judiciary. The present book is a Compendium of Key Issues under Corporate Laws covering a wide spectrum of subjects in Corporate Laws, in five Volumes. This book brings out issues in Corporate Law covering aspects that professionals face in practice. It also brings out a lot of aspects that readers should be aware of. Legislation and case laws from other jurisdictions have been analysed to provide insight into the issues. Key Features ? Topic-wise detailed analysis of various Corporate Law issues. ? Various issues organised under topic heads addressing the key issues concerning the topic. ? Detailed analysis of statutory provisions along with relevant judicial pronouncements and provisions of allied laws (wherever applicable) for each topic has been provided; e.g. SEBI Act and various Regulations issued by the SEBI. ? Analysis of certain landmark judicial pronouncements. ? Comparative position of various topics between Companies Act, 2013 and Companies Act, 1956. ? Certain new concepts of Companies Act, 2013 explained in detail. ? Rules of interpretation of statutes have been discussed wherever necessary. Computation and Communication Technologies - Senthil T. Kumar 2016-04-11 This conference proceedings summarizes invited publications from the two IDES (Institute of Doctors Engineers and Scientists) International conferences, both held in Bangalore/ India. **Information and Communication Technology for Intelligent Systems (ICTIS 2017) -** - Suresh Chandra Satapathy 2017-08-17 This volume includes 73 papers presented at ICTIS 2017: Second International

Conference on Information and Communication Technology for Intelligent Systems. The conference was held on 25th and 26th March 2017, in Ahmedabad, India and organized jointly by the Associated Chambers of Commerce and Industry of India (ASSOCHAM) Gujarat Chapter, the G R Foundation, the Association of Computer Machinery, Ahmedabad Chapter and supported by the Computer Society of India Division IV – Communication and Division V – Education and Research. The papers featured mainly focus on information and communications technology (ICT) and its applications in intelligent computing, cloud storage, data mining and software analysis. The fundamentals of various data analytics and algorithms discussed are useful to researchers in the fiel d.

First International Conference on Artificial Intelligence and Cognitive Computing - Raju Surampudi Bapi 2018-11-04 This book presents original research works by researchers, engineers and practitioners in the field of artificial intelligence and cognitive computing. The book is divided into two parts, the first of which focuses on artificial intelligence (AI), knowledge representation, planning, learning, scheduling, perception-reactive AI systems, evolutionary computing and other topics related to intelligent systems and computational intelligence. In turn, the second part focuses on cognitive computing, cognitive science and cognitive informatics. It also discusses applications of cognitive computing in medical informatics, structural health monitoring, computational intelligence, intelligent control systems, bio-informatics, smart manufacturing, smart grids, image/video processing, video analytics, medical image and signal processing, and knowledge engineering, as well as related applications.

Functional Nanomaterials - Sabu Thomas 2020-06-12 This book provides a comprehensive overview of the

current state-of-art in oxide nanostructures, carbon nanostructures and 2D materials fabrication. It covers mimicking of sensing mechanisms and applications in gas sensors. It focuses on gas sensors based on functional nanostructured materials, especially related to issues of sensitivity, selectivity, and temperature dependency for sensors. It covers synthesis, properties, and current gas sensing tools and discusses the necessity for miniaturized sensors. This book will be of use to senior undergraduate and graduate students, professionals, and researchers in the field of solid-state physics, materials science, surface science and chemical engineering.

Liberation - 2000

Soft Computing for Problem Solving - Kedar Nath Das 2019-11-27
This two-volume book presents the outcomes of the 8th International Conference on Soft Computing for Problem Solving, SocProS 2018. This conference was a joint technical collaboration between the Soft Computing Research Society, Liverpool Hope University (UK), and Vellore Institute of Technology (India), and brought together researchers, engineers and practitioners to discuss thought-provoking developments and challenges in order to select potential future directions. The book highlights the latest advances and innovations in the interdisciplinary areas of soft computing, including original research papers on algorithms (artificial immune systems, artificial neural networks, genetic algorithms, genetic programming, and particle swarm optimization) and applications (control systems, data mining and clustering, finance, weather forecasting, game theory, business and forecasting applications). It offers a valuable resource for both young and experienced researchers dealing with complex and intricate real-world problems that are difficult to solve using

traditional methods.

Environmental Management - I.V Murali Krishna 2017-01-23 Environmental Management: Science and Engineering for Industry consists of 18 chapters, starting with a discussion of International Environmental Laws and crucial environmental management tools, including lifecycle, environmental impact, and environmental risk assessments. This is followed by a frank discussion of environmental control and abatement technologies for water, wastewater, soil, and air pollution. In addition, this book also tackles Hazardous Waste Management and the landfill technologies available for the disposal of hazardous wastes. As managing environmental projects is a complex task with vast amounts of data, an array of regulations, and alternative engineering control strategies designed to minimize pollution and maximize the effect of an environmental program, this book helps readers further understand and plan for this process. Contains the latest methods for Identifying, abating, or eliminating pollutants from air, water, and land Presents up-to-date coverage on environmental management tools, such as risk assessment, energy management and auditing, environmental accounting, and impact assessments Includes methods for collecting and synthesizing data derived from environmental assessments

Official Gazette of the United States Patent and Trademark Office - 2002

Environmental Law and Policy in India - Shyam Divan 2022-10-22 Environmental law and policy in India affects all sections of society. Those most deeply affected by it are the poor. They are the first victims of poor sanitation, polluted air, and contaminated water. Since the 1970s, efforts to protect environmental quality have met with limited success, posing enduring challenges for policy designers and decision-makers entrusted with protecting and preserving natural resources.

This edition of Environmental Law and Policy retains the familiar analytical structure of the second edition and includes all major developments since then. It focuses on Indian environmental law, policies, problems, and needs with the comprehensiveness of an American law case book, compiles all the leading cases in environmental law in India with concise extracts of landmark judgments and policy documents, and provides discussions on projects which could potentially degrade the environment. This volume also covers air and water pollution, forests, wildlife, noise pollution, common property resources and tribal communities, environmental impact assessment, coastal regulations, large projects, urban problems, the National Green Tribunal, hazardous substances, transnational environmental policies, and international environment law. It is interlaced with notes, comments, and questions intended to encourage critical thinking amongst lawyers and law students.

Cognitive Computing Systems - Vishal Jain 2021
"This new volume, Cognitive Computing Systems: Applications and Technological Advancements, explores the emerging area of artificial intelligence that encompasses machine self-learning, human-computer interaction, natural language processing, data mining and more. It introduces cognitive computing systems, highlights their key applications, discusses the technologies used in cognitive systems, and explains underlying models and architectures. Focusing on scientific work for real-world applications, each chapter presents the use of cognitive computing and machine learning in specific application areas. These include the use of speech recognition technology, application of neural networks in construction management, elevating competency in education, comprehensive health monitoring systems, predicting type 2 diabetes, applications for smart

agricultural technology, human resource management, and more. With chapters from knowledgeable researchers in the area of artificial intelligence, cognitive computing, and allied areas, this book will be an asset for researchers, faculty, advances students, and industry professionals in many fields"-- *Nanoscience and Technology* -

Rising Elephant - Ashutosh Sheshabalaya 2005 Globalization's unexpected winner is reshaping the World Order and causing havoc to the US economy
Frontier and Future Development of Information Technology in Medicine and Education - Shaozi Li 2013-12-05
IT changes everyday's life, especially in education and medicine. The goal of ITME 2013 is to further explore the theoretical and practical issues of IT in education and medicine. It also aims to foster new ideas and collaboration between researchers and practitioners.

Genomics of the Saccharinae - Andrew H. Paterson 2012-09-14
The Saccharinae clade of the Poaceae (grass) family of flowering plants includes several important crops with a rich history of contributions to humanity and the promise of still-greater contributions, as a result of some of the highest biomass productivity levels known, resilience to drought and other environmental challenges that are likely to increase, amenability to production systems that may mitigate or even reverse losses of ecological capital such as topsoil erosion, and the recent blossoming of sorghum as a botanical and genomic model for the clade. In Genomics of the Saccharinae, advances of the past decade and earlier are summarized and synthesized to elucidate the current state of knowledge of the structure, function, and evolution of the Sorghum, Saccharum, and Miscanthus genera, and progress in the application of this knowledge to crop improvement. As a backdrop, it

is important to understand the naturally occurring diversity in each genus, its organization and distribution, and its evolutionary history. Genomic tools and methods for Saccharinae biology and improvement have improved dramatically in the past few years – a detailed summary of these tools and their applications is a central element of this book. Application of genomic tools to priorities in crop improvement, including understanding and manipulating plant growth and development, composition, and defense, as well as increasing the quality and productivity of seed/grain, sugar, biomass, and other value-added products under a range of conditions and inputs, are addressed. In particular, as the first native African crop to emerge as a genomic model, sorghum offers an excellent case study of challenges and opportunities in linking new advances in biosciences to solving some of Africa's major agricultural problems. Several members of the clade, exemplified by Sorghum halepense (Johnsongrass) offer insights into weediness and invasion biology. The first sequence for a member of the clade, sorghum, as well as progress and challenges toward sequencing of additional members and the new opportunities that this will create, are also explored. Indeed, the very complexities that have hindered study of some clade members also offer intriguing opportunities to gain insight into fundamental questions such as roles of polyploidy in agricultural productivity and post-polyploidy evolution.

The Organization of Information, 4th Edition - Daniel N. Joudrey 2017-11-27 This fourth edition provides an updated look at information organization, featuring coverage of the Semantic Web, linked data, and EAC-CPF; new metadata models such as IFLA-LRM and RiC, and new perspectives on RDA and its implementation in the context of ISBD and MARC. • Provides an essential overview of

information organization—a central activity in library and information science—that describes approaches to organizing in libraries, archives, museums, online settings, indexing services, and other environments • Newly revised and updated to reflect changes in cataloging rules, address new standards, and introduce upcoming changes • Expands the scope of content relating to information organization in non-library settings • Features vocabulary and acronym lists at the end of each chapter to help readers stay abreast of new terminology

ICICKM2010-Proceedings of the 7th International Conference on Intellectual Capital, knowledge Management and Organisational Learning - Eric Tsui

Smart Technologies in Data Science and Communication - Sanjoy Kumar Saha 2021-06-07 This book features high-quality, peer-reviewed research papers presented at the Fourth International Conference on Smart Technologies in Data Science and Communication (SMART-DSC 2021), held in Koneru Lakshmaiah Education Foundation, Guntur, Andhra Pradesh, India, on 18–19 February 2021. It includes innovative and novel contributions in the areas of data analytics, communication, and soft computing.

The Coconut Palm (Cocos nucifera L.) - Research and Development Perspectives - V. Krishnakumar 2019-02-15 Since the publication of "The coconut palm - A monograph" in 1960, considerable information has been accrued on the crop through work at research institutes, international organisations and development agencies. Although coconut cultivation is spread over 93 countries, providing employment and creating livelihood opportunities to 64 million families around the globe, smallholder coconut farmers are now facing numerous challenges. The wide gap between the potential and

actual yield is a major concern, and as such it is necessary to disseminate knowledge in order to implement research findings. Coconut research in India, one of the leading coconut producing countries, is celebrating its centenary, making this an opportune time to review the research and development advances and the relevant technologies. This detailed, comprehensive book covers all aspects of coconut, from the origins to cultivation, breeding, physiology and value addition, as well as subjects of topical interest like nutrition and health, biotechnology, and climate change and carbon sequestration. Written by leading experts in the fields it emphasises that the livelihood of the small coconut landholders is the ultimate aim of scientists and developmental agencies, and outlines various important strategies to make coconut farming more remunerative globally. It discusses work in all the major coconut growing countries and outlines suggestions for international cooperation.

Research work on the crop is comparatively difficult because of its perennial nature, longevity, height, long juvenile phase, large sized nuts, cross pollination and seed propagation. As these special features necessitate greater investment of resources, time and land, it is all the more imperative that research is not duplicated and the information and experience becoming available around the world is shared so that it can be fully utilised. In this context periodic publications, compiling all the available information on coconut assume greater significance. This book is therefore of great value to researchers, students, extension workers, developmental agencies and progressive farmers.

Smart Technologies in Data Science and Communication - Jinan Fiaidhi 2020-03-30 This book features high-quality, peer-reviewed research papers presented at the International Conference on Smart Technologies in Data Science and Communication (Smart-

DSC 2019), held at Vignan's Institute of Information Technology (Autonomous), Visakhapatnam, Andhra Pradesh, India on 13–14 December 2019. It includes innovative and novel contributions in the areas of data analytics, communication and soft computing.
Index of Patents Issued from the United States Patent and Trademark Office -

Evolving Role of AI and IoMT in the Healthcare Market - Fadi Al-Turjman 2021 This book is a proficient guide to understanding artificial intelligence (IoT) and the Internet of Medical Things (IoMT) in healthcare. The book provides a comprehensive study on the applications of AI and IoT in various medical domains. The book shows how the implementation of innovative solutions in healthcare is beneficial, and IoT, together with AI, are strong drivers of the digital transformation regardless of what field the technologies are applied in. Therefore, this book provides a high level of understanding with the emerging technologies on the Internet of Things, wearable devices, and AI in IoMT, which offers the potential to acquire and process a tremendous amount of data from the physical world. Covers the applications of artificial intelligence (AI), and Internet of Medical Things (IoMT) in the Healthcare domain; Discusses how the usage of IoT and AI helps to analyze medical data in terms of diagnosis, disease prediction, and analysis of enormous health records; Covers a variety of Medical IoT based applications that are being used in different sectors and have succeeded in providing considerable benefits to the users in critical health application.
Proceedings of the Second International Conference on Computer and Communication Technologies - Suresh Chandra Satapathy 2015-09-10 The book is about all aspects of computing, communication, general sciences and

educational research covered at the Second International Conference on Computer & Communication Technologies held during 24-26 July 2015 at Hyderabad. It hosted by CMR Technical Campus in association with Division – V (Education & Research) CSI, India. After a rigorous review only quality papers are selected and included in this book. The entire book is divided into three volumes. Three volumes cover a variety of topics which include medical imaging, networks, data mining, intelligent computing, software design, image processing, mobile computing, digital signals and speech processing, video surveillance and processing, web mining, wireless sensor networks, circuit analysis, fuzzy systems, antenna and communication systems, biomedical signal processing and applications, cloud computing, embedded systems applications and cyber security and digital forensic. The readers of these volumes will be highly benefited from the technical contents of the topics.

Recent Advancements in Geotechnical Engineering - B. Soundara 2021-10-15 Geotechnical engineering has become an important discipline of civil engineering due to its rapid advancements and environmental challenges. Special emphasis is placed on innovative materials in the fields of geotechnical engineering, pavement engineering, health monitoring of structures and sustainability. Keywords: Green Building Materials, Cement Based Materials, Concrete Applications, Photocatalytic Effect on Paver Blocks, Stabilization of Black Cotton Soil, Concrete Filled Steel Tube Columns, Cenosphere, Fly Ash Brick, Stone Columns, Reinforced Concrete Beams, Interlocking Masonry Units, Lightweight Filler Materials, Soil Stabilization Using Fibres, Friction Stir Welding of Aluminum and Magnesium. **Emerging Eco-friendly Green Technologies for Wastewater Treatment** - Ram Naresh Bharagava 2020-03-04

As we know, rapid industrialization is a serious concern in the context of a healthy environment and public health due to the generation of huge volumes of toxic wastewater. Although various physico-chemical and biological approaches are available for the treatment of this wastewater, many of them are not effective. Now, there a number of emerging ecofriendly, cost-effective approaches utilizing microorganisms (bacterial/fungi/algae), green plants or their enzymes, and constructed wetland treatment systems in the treatment of wastewaters containing pollutants such as endocrine disrupting chemicals, toxic metals, pesticides, dyes, petroleum hydrocarbons and phenolic compounds. This book provides a much-needed, comprehensive overview of the various types of wastewater and their ecotoxicological effects on the environment, humans, animals and plants as well as various emerging and eco-friendly approaches for their treatment. It provides insights into the ecological problems and challenges in the treatment and management of wastewaters generated by various sources.

Soft Computing in Data Analytics - Janmenjoy Nayak 2018-08-21
The volume contains original research findings, exchange of ideas and dissemination of innovative, practical development experiences in different fields of soft and advance computing. It provides insights into the International Conference on Soft Computing in Data Analytics (SCDA). It also concentrates on both theory and practices from around the world in all the areas of related disciplines of soft computing. The book provides rapid dissemination of important results in soft computing technologies, a fusion of research in fuzzy logic, evolutionary computations, neural science and neural network systems and chaos theory and chaotic systems, swarm based algorithms, etc. The book aims

to cater the postgraduate students and researchers working in the discipline of computer science and engineering along with other engineering branches.