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Valorization of Food Processing By-Products **Computational Signal Processing and Analysis** Advances in Algebra and Analysis *Advances in Materials Processing and Manufacturing Applications* *Computer Vision and Image Processing* **Proceedings of Third International Conference on Sustainable Computing** **Nuclear Science Abstracts** **Soft Computing and Signal Processing** *Handbook of Research on Food Processing and Preservation Technologies* **Innovative Data Communication Technologies and Application** **Handbook of Research on Information Security in Biomedical Signal Processing** **Information Processing and Management of Uncertainty in Knowledge-Based Systems** **Nuclear Power Reactor Instrumentation Systems Handbook** **Proceedings of First International Conference on Information and Communication Technology for Intelligent Systems: Volume 2** Plant Food By-Products Image Understanding Workshop **Mathematical Models, Methods and Applications** **Flexible Electronics for Electric Vehicles** *Energy Research Abstracts* **Sixth International Conference on Intelligent Computing and Applications** **Proceedings of the International Conference on Recent Cognizance in Wireless Communication & Image Processing** *Decolonizing Global Mental Health* **Proceedings of the 3rd International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) 2014** **Waste Biomass Management – A Holistic Approach** Proceedings, CVPR '91 Intelligent Innovations in Multimedia Data Engineering and Management **Proceedings** *Mathematical Analysis and Computing* **Computer Vision and Image Processing** Sustainable Water and Wastewater Processing **Energy Research Abstracts** **FEDERALISM AND DEMOCRATIC PROCESS IN INDIA** *Green Sustainable Process for Chemical and Environmental Engineering and Science* Annual Report Distributed Computing and Optimization Techniques *Smart and Innovative Trends in Next Generation Computing Technologies* **Energy Data Base** *Sewage Treatment Process At Buddha Poornima Project & Sample Analysis* **Proceedings of the Second International Conference on Soft Computing for Problem Solving (SocProS 2012), December 28-30, 2012** *Data Science and Security*

Distributed Computing and Optimization Techniques Nov 24 2019 This book introduces research presented at the International Conference on Distributed Computing and Optimization Techniques (ICDCOT2021), a two-day conference, where researchers, engineers, and academicians from all over the world came together to share their experiences and findings on all aspects of distributed computing and its applications in diverse areas. The book includes papers on distributed computing, intelligent system, optimization method, mathematical modeling, fuzzy logic, neural networks, grid computing, load balancing, communication. It will be a valuable resource for students, academics, and practitioners in the industry working on distributed computing.

Proceedings of First International Conference on Information and Communication Technology for Intelligent Systems: Volume 2 Sep 15 2021 This volume contains 60 papers presented at ICTIS 2015: International Conference on Information and Communication Technology for Intelligent Systems. The conference was held during 28th and 29th November, 2015, Ahmedabad, India and organized communally by Venus International College of Technology, Association of Computer Machinery, Ahmedabad Chapter and Supported by Computer Society of India Division IV – Communication and Division V – Education and Research. This volume contains papers mainly focused on ICT and its application for Intelligent Computing, Cloud Storage, Data Mining, Image Processing and Software Analysis etc.

Advances in Algebra and Analysis Aug 26 2022 This volume is the first of two containing selected papers from the International Conference on Advances in Mathematical Sciences, Vellore, India, December 2017 - Volume I. This meeting brought together researchers from around the world to share their work, with the aim of promoting collaboration as a means of solving various problems in modern science and engineering. The authors of each chapter present a research problem, techniques suitable for solving it, and a discussion of the results obtained. These volumes will be of interest to both theoretical- and application-oriented individuals in academia and industry. Papers in Volume I are dedicated to active and open areas of research in algebra, analysis, operations research, and statistics, and those of Volume II consider differential equations, fluid mechanics, and graph theory.

Sixth International Conference on Intelligent Computing and Applications Mar 09 2021 This book presents the peer-reviewed proceedings of the Sixth International Conference on Intelligent Computing and Applications (ICICA 2020), held at Government College of Engineering, Keonjhar, Odisha, India, during December 22–24, 2020. The book includes the latest research on advanced computational methodologies such as neural networks, fuzzy systems, evolutionary algorithms, hybrid intelligent systems, uncertain reasoning techniques, and other machine learning methods and their applications to decision-making and problem-solving in mobile and wireless communication networks.

Intelligent Innovations in Multimedia Data Engineering and Management Sep 03 2020 With the ever-increasing volume of data, proper management of data is a challenging proposition to scientists and researchers, and given the vast storage space required, multimedia data is no exception in this regard. Scientists and researchers are investing great effort to discover new space-efficient methods for storage and archiving of this data. Intelligent Innovations in Multimedia Data Engineering and Management provides emerging research exploring the theoretical and practical aspects of storage systems and computing methods for large forms of data. Featuring coverage on a broad range of topics such as binary image, fuzzy logic, and metaheuristic algorithms, this book is ideally designed for computer engineers, IT professionals, technology developers, academicians, and researchers seeking current research on advancing strategies and computing techniques for various types of data.

Waste Biomass Management – A Holistic Approach Nov 05 2020 This book gives an overview on techniques and future perspectives of various aspects of waste biomass management. It also presents the economic and environmental evaluation, and also the monetary value-benefits and sustainability of the different processes. Recycling processes of lignocellulosic biomass from palm oil

mill waste are covered, as well as from sugar industry waste and agriculture waste. It also includes thermal and non-thermal technologies for resource recovery from waste biomass. Challenges in the reuse and recycling of waste biomass are discussed, i.e., the hygienic safety in biomass management and bioremediation technologies for conversion into valuable products. The book is aiming at scientists, researchers and students alike, who are working in the research areas pertaining to waste management

Annual Report Dec 26 2019

Computer Vision and Image Processing May 31 2020 This two-volume set (CCIS 1567-1568) constitutes the refereed proceedings of the 6h International Conference on Computer Vision and Image Processing, CVIP 2021, held in Rupnagar, India, in December 2021. The 70 full papers and 20 short papers were carefully reviewed and selected from the 260 submissions. The papers present recent research on such topics as biometrics, forensics, content protection, image enhancement/super-resolution/restoration, motion and tracking, image or video retrieval, image, image/video processing for autonomous vehicles, video scene understanding, human-computer interaction, document image analysis, face, iris, emotion, sign language and gesture recognition, 3D image/video processing, action and event detection/recognition, medical image and video analysis, vision-based human GAIT analysis, remote sensing, and more.

Flexible Electronics for Electric Vehicles May 11 2021 This book compiles the refereed papers presented during the 2nd Flexible Electronics for Electric Vehicles (FlexEV - 2021). It presents the diligent work of the research community on flexible electronics applications in different allied fields of engineering - engineering materials to electrical engineering to electronics and communication engineering. The theoretical research concepts are supported with extensive reviews highlighting the trends in the possible and real-life applications of electric vehicles. This book will be useful for research scholars, electric vehicles professionals, driving system designers, and postgraduates from allied domains. This book incorporates economical and efficient electric vehicle driving and the latest innovations in electric vehicle technology with their paradigms and methods that employ knowledge in the research community.

Mathematical Models, Methods and Applications Jun 12 2021 The present volume contains invited talks of 11th biennial conference on "Emerging Mathematical Methods, Models and Algorithms for Science and Technology". The main message of the book is that mathematics has a great potential to analyse and understand the challenging problems of nanotechnology, biotechnology, medical science, oil industry and financial technology. The book highlights all the features and main theme discussed in the conference. All contributing authors are eminent academicians, scientists, researchers and scholars in their respective fields, hailing from around the world.

Nuclear Science Abstracts Apr 22 2022

Image Understanding Workshop Jul 13 2021

Proceedings of Third International Conference on Sustainable Computing May 23 2022 The book includes a selection of the best papers presented at the Third International Conference on Sustainable Computing (SUSCOM 2021), held in Jaipur, India, during 19 20 March 2021. It covers topics like Internet of things (IoT); artificial system of security; smart storage and knowledge retrieval using data cloud; intelligent transport management; intelligent cognitive and bio-inspired computing and management science. The book is useful for peoples from academia, government bodies, healthcare and industry to discuss their future scope.

Information Processing and Management of Uncertainty in Knowledge-Based Systems Nov 17 2021 This two-volume set (CCIS 1601-1602) constitutes the proceedings of the 19th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, IPMU 2021, held in Milan, Italy, in July 2022. The 124 papers were carefully reviewed and selected from 188 submissions. The papers are organized in topical sections as follows: aggregation theory beyond the unit interval; formal concept analysis and uncertainty; fuzzy implication functions; fuzzy mathematical analysis and its applications; generalized sets and operators; information fusion techniques based on aggregation functions, pre-aggregation functions, and their generalizations; interval uncertainty; knowledge acquisition, representation and reasoning; logical structures of opposition and logical syllogisms; mathematical fuzzy logics; theoretical and applied aspects of imprecise probabilities; data science and machine learning; decision making modeling and applications; e-health; fuzzy methods in data mining and knowledge discovery; soft computing and artificia intelligence techniques in image processing; soft methods in statistics and data analysis; uncertainty, heterogeneity, reliability and explainability in AI; weak and cautious supervised learning.

Mathematical Analysis and Computing Jul 01 2020 This book is a collection of selected papers presented at the International Conference on Mathematical Analysis and Computing (ICMAC 2019) held at Sri Sivasubramaniya Nadar College of Engineering, Chennai, India, from 23–24 December 2019. Having found its applications in game theory, economics, and operations research, mathematical analysis plays an important role in analyzing models of physical systems and provides a sound logical base for problems stated in a qualitative manner. This book aims at disseminating recent advances in areas of mathematical analysis, soft computing, approximation and optimization through original research articles and expository survey papers. This book will be of value to research scholars, professors, and industrialists working in these areas.

Sustainable Water and Wastewater Processing Apr 29 2020 Sustainable Water and Wastewater Processing covers the 12 most current topics in the field of sustainable water processing, with emphasis given to water as a resource (quality, supply, distribution, and aquifer recharge). Topics covered include emerging sustainable technologies for potable and wastewater treatment, water reuse and recycling, advanced membrane processes, desalination technologies, integrated and hybrid technologies, process modeling, advanced oxidative and catalytic processes, environmentally, economically and socially sustainable technology for water treatment, industrial water treatment, reuse and recovery of materials, and emerging nanotechnology and biotechnology for water processing. Responding to the goals of sustainability requires the maximum utilization of all water resources, water processing with restricted energy costs and reduced greenhouse gas production. Following these trends, this book covers all the important aspects of sustainable water processing and support. Covers cutting-edge topics of water process engineering, sustainability and energy efficiency Fills the transfer knowledge gap between academia and industry by analyzing the associated environmental, economic and sustainability challenges of water processing Includes theoretical and applied research and technological and industrial solutions for sustainable, economic and large scale water treatment, recycling and reutilization Analyzes potentiality and economic feasibility of already commercialized processes

Data Science and Security Jun 19 2019 This book presents best selected papers presented at the International Conference on Data Science for Computational Security (IDSCS 2022), organized by the Department of Data Science, CHRIST (Deemed to be

University), Pune Lavasa Campus, India, during 11 – 12 February 2022. The book proposes new technologies and discusses future solutions and applications of data science, data analytics and security. The book targets current research works in the areas of data science, data security, data analytics, artificial intelligence, machine learning, computer vision, algorithms design, computer networking, data mining, big data, text mining, knowledge representation, soft computing and cloud computing.

Energy Data Base Sep 22 2019

Energy Research Abstracts Mar 29 2020

Smart and Innovative Trends in Next Generation Computing Technologies Oct 24 2019 The two-volume set CCIS 827 and 828 constitutes the thoroughly refereed proceedings of the Third International Conference on Next Generation Computing Technologies, NGCT 2017, held in Dehradun, India, in October 2017. The 135 full papers presented were carefully reviewed and selected from 948 submissions. There were organized in topical sections named: Smart and Innovative Trends in Communication Protocols and Standards; Smart and Innovative Trends in Computational Intelligence and Data Science; Smart and Innovative Trends in Image Processing and Machine Vision; Smart Innovative Trends in Natural Language Processing for Indian Languages; Smart Innovative Trends in Security and Privacy.

Green Sustainable Process for Chemical and Environmental Engineering and Science Jan 27 2020 Green Sustainable Process for Chemical and Environmental Engineering and Science: Biomedical Application of Biosurfactant in Medical Sector highlights the numerous applications of biosurfactants in the field of medicine, especially as a replacement to synthetic drugs which have developed several levels of resistance over the years. Special emphasis is laid on their application as non-pyrogenic and non-toxic immunological adjuvants and their inhibitory characteristics against H+, K+, -ATPase and defense against gastric ulcers, along with their practical application as anti-adhesive coating agents for medical insert materials. The book addresses issues by combining knowledge of their production with information on a range of medical applications. Drawing on the knowledge of its expert team of global contributors, this book provides useful insights for all those currently or potentially interested in developing or applying biosurfactants in their own work. Reflects on differing strains of fungi, bacteria, actinomycetes and yeast, and reviews genetic modification of such strains for enhanced biosurfactant production Explores the use of biosurfactants across a broad range of medical applications Provides mathematical modeling, metabolomics, bioinformatics, metabolic engineering, systems biology and computer technology for solving real-life challenges using biosurfactants Presents biosurfactants as an innovative green, biotechnological solution to improve human health Highlights the numerous applications of biosurfactants in the field of medicine, most especially as a replacement to synthetic drugs which have been reported to develop several levels of resistance over the years

Computer Vision and Image Processing Jun 24 2022 This three-volume set (CCIS 1367-1368) constitutes the refereed proceedings of the 5th International Conference on Computer Vision and Image Processing, CVIP 2020, held in Prayagraj, India, in December 2020. Due to the COVID-19 pandemic the conference was partially held online. The 134 papers papers were carefully reviewed and selected from 352 submissions. The papers present recent research on such topics as biometrics, forensics, content protection, image enhancement/super-resolution/restoration, motion and tracking, image or video retrieval, image, image/video processing for autonomous vehicles, video scene understanding, human-computer interaction, document image analysis, face, iris, emotion, sign language and gesture recognition, 3D image/video processing, action and event detection/recognition, medical image and video analysis, vision-based human GAIT analysis, remote sensing, and more.

Computational Signal Processing and Analysis Sep 27 2022 This book comprises a collection of papers by international experts, presented at the International Conference on NextGen Electronic Technologies (ICNETS2-2017). ICNETS2 encompassed six symposia covering all aspects of electronics and communications engineering domains, including relevant nano/micro materials and devices. Featuring the latest research on computational signal processing and analysis, the book is useful to researchers, professionals, and students working in the core areas of electronics and their applications, especially signal processing, embedded systems, and networking.

Sewage Treatment Process At Buddha Poornima Project & Sample Analysis Aug 22 2019 The outlet samples of each chamber such as receiving chamber, filtration unit, grit chamber, aeration tank, settling tank and outlet chamber in the process of treatment of domestic waste water at Buddha poornima project site Hyderabad are collected following the sampling techniques. For the collected samples the parameters analyzed are pH, EC, COD, TS, TSS, TDS, Ammonical nitrogen, Phenols and Metals like cadmium, lead, zinc, nickel, manganese, copper and chromium. The analysis is done and the values obtained in this analysis are compared with Central Pollution Control Board standard values.

Valorization of Food Processing By-Products Oct 28 2022 Biotechnology has immense potential for resolving environmental problems and augmenting food production. Particularly, it offers solutions for converting solid wastes into value-added items. In food processing industries that generate voluminous by-products and wastes, valorization can help offset growing environmental problems and facilitate the s

FEDERALISM AND DEMOCRATIC PROCESS IN INDIA Feb 26 2020

Handbook of Research on Information Security in Biomedical Signal Processing Dec 18 2021 Recent advancements and innovations in medical image and data processing have led to a need for robust and secure mechanisms to transfer images and signals over the internet and maintain copyright protection. The Handbook of Research on Information Security in Biomedical Signal Processing provides emerging research on security in biomedical data as well as techniques for accurate reading and further processing. While highlighting topics such as image processing, secure access, and watermarking, this publication explores advanced models and algorithms in information security in the modern healthcare system. This publication is a vital resource for academicians, medical professionals, technology developers, researchers, students, and practitioners seeking current research on intelligent techniques in medical data security.

Energy Research Abstracts Apr 10 2021

Proceedings of the Second International Conference on Soft Computing for Problem Solving (SocProS 2012), December 28-30, 2012 Jul 21 2019 The present book is based on the research papers presented in the International Conference on Soft Computing for Problem Solving (SocProS 2012), held at JK Lakshmipat University, Jaipur, India. This book provides the latest developments in the area of soft computing and covers a variety of topics, including mathematical modeling, image processing, optimization, swarm

intelligence, evolutionary algorithms, fuzzy logic, neural networks, forecasting, data mining, etc. The objective of the book is to familiarize the reader with the latest scientific developments that are taking place in various fields and the latest sophisticated problem solving tools that are being developed to deal with the complex and intricate problems that are otherwise difficult to solve by the usual and traditional methods. The book is directed to the researchers and scientists engaged in various fields of Science and Technology.

Nuclear Power Reactor Instrumentation Systems Handbook Oct 16 2021

Innovative Data Communication Technologies and Application Jan 19 2022 This book presents the latest research in the fields of computational intelligence, ubiquitous computing models, communication intelligence, communication security, machine learning, informatics, mobile computing, cloud computing and big data analytics. The best selected papers, presented at the International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2020), are included in the book. The book focuses on the theory, design, analysis, implementation and applications of distributed systems and networks.

Proceedings of the 3rd International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) 2014 Dec 06 2020 This volume contains 87 papers presented at FICTA 2014: Third International Conference on Frontiers in Intelligent Computing: Theory and Applications. The conference was held during 14-15, November, 2014 at Bhubaneswar, Odisha, India. This volume contains papers mainly focused on Network and Information Security, Grid Computing and Clod Computing, Cyber Security and Digital Forensics, Computer Vision, Signal, Image & Video Processing, Software Engineering in Multidisciplinary Domains and Ad-hoc and Wireless Sensor Networks.

Advances in Materials Processing and Manufacturing Applications Jul 25 2022 This book presents selected papers from the International Conference on Advances in Materials Processing and Manufacturing Applications (iCADMA 2020), held on November 5–6, 2020, at Malaviya National Institute of Technology, Jaipur, India. iCADMA 2020 proceedings is divided into four topical tracks – Advanced Materials, Materials Manufacturing and Processing, Engineering Optimization and Sustainable Development, and Tribology for Industrial Application.

Proceedings, CVPR '91 Oct 04 2020 The proceedings of the conference held in Lahaina, Maui, Hawaii, June 1991, contain 98 regular and 45 poster papers in the areas of object recognition, stereo and surface reconstruction, motion, calibration, low-level vision, optical flow, non-rigid motion, texture, active vision and perceptual grouping, architecture and algorithms, pose estimation and face recognition, and depth. The invited lecture, by Al Bars (computer graphics and animation, CalTech) is titled "Teleological Computer Graphics Modeling". No index. Acidic paper. Annotation copyrighted by Book News, Inc., Portland, OR

Decolonizing Global Mental Health Jan 07 2021 Decolonizing Global Mental Health is a book that maps a strange irony. The World Health Organization (WHO) and the Movement for Global Mental Health are calling to 'scale up' access to psychological and psychiatric treatments globally, particularly within the global South. Simultaneously, in the global North, psychiatry and its often chemical treatments are coming under increased criticism (from both those who take the medication and those in the position to prescribe it). The book argues that it is imperative to explore what counts as evidence within Global Mental Health, and seeks to de-familiarize current 'Western' conceptions of psychology and psychiatry using postcolonial theory. It leads us to wonder whether we should call for equality in global access to psychiatry, whether everyone should have the right to a psychotropic citizenship and whether mental health can, or should, be global. As such, it is ideal reading for undergraduate and postgraduate students, as well as researchers in the fields of critical psychology and psychiatry, social and health psychology, cultural studies, public health and social work.

Soft Computing and Signal Processing Mar 21 2022 This book presents selected research papers on current developments in the fields of soft computing and signal processing from the Third International Conference on Soft Computing and Signal Processing (ICSCSP 2020). The book covers topics such as soft sets, rough sets, fuzzy logic, neural networks, genetic algorithms and machine learning and discusses various aspects of these topics, e.g., technological considerations, product implementation and application issues.

Plant Food By-Products Aug 14 2021 This volume takes an eco-friendly approach to examining the advantages of using plant food by-products as food additives and nutraceuticals, turning solid wastes into value-added items. The chapters, written by researchers and professionals working in the plant food industry, look at ways to make effective use of plant by-products by harnessing the power of the antimicrobial and nutraceutical power of plant and herb extracts. The measures and techniques discussed here will also help to improve the economics of processing crops. The chapter authors cover a range of issues, including the economic and environmental benefits of utilizing plant food by-products, extraction technologies, plant tissues as a source of nutraceutical compounds, and more.

Proceedings of the International Conference on Recent Cognizance in Wireless Communication & Image Processing Feb 08 2021 This volume comprises the proceedings of the International Conference on Recent Cognizance in Wireless Communication & Image Processing. It brings together content from academicians, researchers, and industry experts in areas of Wireless Communication and Image Processing. The volume provides a snapshot of current progress in computational creativity and a glimpse of future possibilities. The proceedings include two kinds of paper submissions: (i) regular papers addressing foundation issues, describing original research on creative systems development and modeling; and (ii) position papers describing work-in-progress or research directions for computational creativity. This work will be useful to professionals and researchers working in the core areas of wireless communications and image processing.

Handbook of Research on Food Processing and Preservation Technologies Feb 20 2022 The Handbook of Research on Food Processing and Preservation Technologies covers a vast abundance of information on 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 5: Emerging Techniques for Food Processing, Quality, and Safety

Assurance discusses various emerging techniques for food preservation, formulation, and nondestructive quality evaluation techniques. Each chapter covers major aspects pertaining to principles, design, and applications of various food processing methods, such as low temperature-based-ultrasonic drying of foods, hypobaric processing of foods, viability of high-pressure technology, application of pulsed electric fields in food preservation, green nanotechnology for food processing and preservation, advanced methods of encapsulation, basics and methods of food authentication, imaging techniques for quality inspection of spices and nuts, FTIR coupled with chemometrics for food quality and safety, and the use of robotic engineering for quality and safety. Other volumes in the 5-volume 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 4: Design and Development of Specific Foods, Packaging Systems, and Food Safety Together with the other volumes in the set, the Handbook of Research on Food Processing and Preservation Technologies will be a valuable resource for researchers, scientists, students, growers, traders, processors, industries, and others.

Proceedings Aug 02 2020