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Proceedings of The Focus Conference (TFC 2022)
 Southern Africa Report
 International Commercial Language
 An Engineer's Guide to Automated Testing of High-Speed Interfaces, Second Edition
 Proceedings of the 14th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2022)
 Machine Learning and Data Science Techniques for Effective Government Service Delivery
 Cases on Survival and Sustainability Strategies of Social Entrepreneurs
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 Laws of the State of New York
 Promising Techniques for Wastewater Treatment and Water Quality Assessment
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 Sustainable Downstream Processing of Microalgae for Industrial Application
 Bioactive Extraction and Application in Food and Nutraceutical Industries
 The Arts and Indigenous Knowledge Systems in a Modernized Africa
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 Abridged Grammar of Volapük
 Accessing Post-School Studies
 Biostimulants for Crops from Seed Germination to Plant Development
 Functionality and Application of Colored Cereals
 The A to Z of Careers in South Africa
 The Promise of Small and Medium Enterprises
 ICT Education
 Next-Generation Algae, Volume 2
 Next-Generation Algae, Volume 1
 Chemistry for Sustainable Development in Africa
 From Internet of Things to Internet of Intelligence

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Proceedings of The Focus Conference (TFC 2022) AFRICAN SUN MeDIA

Functionality and Application of Colored Cereals: Nutritional, Bioactive and Health Aspects focuses on exploiting the full and functional possibilities of these grains. From their physical chemistry to their health benefits, this book highlights cereals with potential for enhanced products. Plant-based food colorants play an important role in conferring colors to food to increase attractiveness for consumers, improve appetite, minimize synthetic colorants, and conform to food culture. Over the last decades, the presence of anthocyanin and other bioactive compounds in colored cereal grains (maize, rice, wheat, barley, sorghum, millet, and rye) have attracted the attention of various food processors and researchers. Colored cereals are imperative for food processing industries as high-value pigments present in

the bran layer can easily be extracted and utilized as functional foods and natural colorants. The extracted pigments such as anthocyanin can replace synthetic dyes currently used in foods, drugs and cosmetics. Additionally, natural additives improve the nutritional value, appearance, texture, flavor and storage properties of food products. - Reviews colored cereal grains morphology, composition and the diversity of the different uses of cereal grains - Includes content on the functionality and therapeutic significance of functional components of colored cereal grains - Contains global coverage of the latest research on the bioactive potential, food applications and health benefits of colored cereals

Southern Africa Report Materials Research Forum LLC

Social enterprises often do business in a hostile business environment as they compete for market share with the private sector and address societal and governmental failures. Strategy in social enterprises is concerned with the long-term direction of the business and the implementation of short-term objectives

given their current operational challenges, such as a lack of funding, expertise, skills, knowledge, etc. *Cases on Survival and Sustainability Strategies of Social Entrepreneurs* focuses on how managers formulate a strategy to sustain the social enterprise venture and enable social entrepreneurs to understand and apply strategic management models whilst reviewing practical cases. This book discusses effective strategies social enterprises can adopt to secure their long-term future. Covering topics such as adaptive leadership, social innovation, and sustainable development, this book is ideal for social enterprise managers, trustees of charities, researchers, academicians, and students of social enterprises and management including business management.

International Commercial Language CRC Press

This book reviews the primary aspects of wastewater treatment processing techniques and designs, as well as water quality assessment. Chapters address microwave digestive techniques of wastewater treatment, advanced ozone oxidative and photo processes, and reactive distillation for various applications. The book is a useful resource for choosing applicable processing techniques and design parameters.

An Engineer's Guide to Automated Testing of High-Speed Interfaces, Second Edition John Wiley & Sons

If you want a complete understanding of mobile automation testing and its practical implementation, then this book is for you. Familiarity with the basics of VB Script and Java along with knowledge of basic testing concepts is essential.

Proceedings of the 14th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2022) Springer Science & Business Media

Biostimulants for crops from seed germination to plant development focuses on the effects and roles of natural biostimulants in every aspect of plant growth development to reduce the use of harmful chemical fertilizers and pesticides. Biostimulants are a group of substances of natural origin that offer a potential to reduce the dependency on harmful chemical fertilizers causing environmental degradation. While there is extensive literature on biostimulants, there remains a gap in understanding how natural biostimulants work and their practical application. This book fills that gap, presenting the ways in which biostimulants enhance seed vigor and plant productivity by looking into their mode of action, an area still being researched for deeper understanding. Exploring the roles of seed germination, pollen tube formation, pollen-pistil interaction, flower and fruit setting, to plant pigments, rhizospheric and soil microorganisms, the book also sheds light on the challenges and realistic opportunities for the use of natural biostimulants. - Approaches biostimulant research with the goal of transforming scientific research into practical application - Includes real-world examples from laboratory, greenhouse and field experiments - Presents the biochemical, physiological and molecular mode of action of biostimulants

Machine Learning and Data Science Techniques for Effective Government Service Delivery Springer Nature

Applications of Essential Oils in the Food Industry delivers detailed information on the application of essential oils derived from underutilized crops and herbs for the development, preservation, and safety of food products. The book covers post-harvest fruits and vegetables and their adjuvant and plasticizers when applied as an edible coating, as well as their mechanism of action as preservatives for foods, such as fish, meats, and yogurts. The book highlights the use of essential oils as anti-microbials, bio-preservatives, and antioxidants, and also examines their effectiveness against several food borne pathogens and in enhancing the aroma of food products. Presents

the latest research information on essential oils as anti-microbials, bio-preservatives, and antioxidants Describes how essential oils can be used for the management of mycotoxins, especially for the management of toxigenic strains producing higher level of aflatoxin Includes information on the utilization of essential oils in beverages, drinks and semi liquid foods Demonstrates the synergetic effect of nanotechnology together with essential oils, including information on nano-ceutical, nano-emulsion, and nano-pharmacology

Cases on Survival and Sustainability Strategies of Social Entrepreneurs Springer Nature

NEXT-GENERATION ALGAE This book brings together experts in relevant fields to describe the successful application of algae and their derivatives in agriculture, improving agricultural sustainability, harvesting and processing, food security, fishery, aquafarming, agriculture pollution, and state-of-the-art developments of algae in commercial and agriculture utilization. This book provides up-to-date and cutting-edge information on the application of algae in producing sustainable solutions to various challenges that arise from an increase in agricultural production, as well as its utilization in the bioremediation of industrial wastewater. Moreover, the book provides detailed information about the recent advancements in smart microalgae wastewater treatment using Internet of Things (IoT) and edge computing applications. Other topics covered include the use of microalgae in various applications; the use of algae to remove arsenic; algae's role in plastic biodegradation, heavy metal bioremediation, and toxicity removal from industrial wastewater; the application of DNA transfer techniques in algae; the use of algae as food and in the production of food, ascorbic acid, health food, supplements, and food surrogates; relevant biostimulants and biofertilizers that could be derived from cyanobacterials and their role in sustainable agriculture; and algae's application in the effective production of biofuels and bioenergy. Audience This book is aimed at a diverse audience including professionals, scientists, environmentalists, industrialists, researchers, innovators, and policymakers who have an interest in bioremediation technologies for extremely polluted environments, especially in water, air, and soil.

Governance as a Catalyst for Public Sector Sustainability ScholarlyEditions

This book highlights the recent research on soft computing, pattern recognition, nature-inspired computing, and their various practical applications. It presents 69 selected papers from the 14th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2022) and 19 papers from the 14th World Congress on Nature and Biologically Inspired Computing (NaBIC 2022), which was held online, from December 14 to 16, 2022. A premier conference in the field of soft computing, artificial intelligence, and machine learning applications, SoCPaR-NaBIC 2022 brought together researchers, engineers, and practitioners whose work involves intelligent systems, network security, and their applications in industry. Including contributions by authors from over 25 countries, the book offers a valuable reference guide for all researchers, students, and practitioners in the fields of computer science and engineering.

Laws of the State of New York Springer Nature

Medical Geology of Africa explores the connection between geological materials, processes and the health of humans and animals. The book fosters an improved understanding of the ways in which the geological environment impacts the geographical distribution of health problems and how they contribute to better diagnoses and therapy. Africa's unique geoenvironmental condition gives added relevance to such studies, underlining the need for geoscience and public health students and practitioners

to understand new principles and applications. Chapters in the book provide extended enquiry-based investigations and examples that employ real geochemical datasets, epidemiological records, public health statistics and visualizations. - Provides a summary of current research on Medical Geology of Africa - Identifies gaps in knowledge of the role of the geo-environment in deciphering unknown aetiologies - Assembles the most recent literature on current thematic issues, and prescribes directions of future research

Promising Techniques for Wastewater Treatment and Water Quality Assessment Academic Press

NEXT-GENERATION ALGAE The book comprehensively details the novel and biologically active compounds derived from algae for sustainable healthcare delivery that could be used for the treatment of an ever-increasing population, prevention of high rate of morbidity rates, as well as in the treatment of numerous diseases, and serve as an alternative drug for the prevention of high level of resistance to synthetic drugs. This second volume places a special emphasis on the discovery of novel and biologically active compounds from algae. It covers a wide range of applications, including the use of astaxanthin and carotenoids derived from algae for the production of nutraceuticals, pharmaceuticals, additives, food supplements, and feed. The book also discusses the production of polyunsaturated fatty acids (PUFAs) and their biomedical applications, recent advancements in the research of sulfated polysaccharides from algal origin, and their antiulcer bioactivities. Other topics include the application of algae in wound healing, the use of nanotechnology for the bioengineering of useful metabolites derived from algae and their multifaceted applications, and the production of single-cell proteins and pigments with high relevance in the industry. Audience Researchers in industry and academia as well as clinicians in the fields of microbiology, biotechnology, and food science will find this book very pertinent.

Artificial Intelligence Application in Networks and Systems Taylor & Francis

This second edition of *An Engineer's Guide to Automated Testing of High-Speed Interfaces* provides updates to reflect current state-of-the-art high-speed digital testing with automated test equipment technology (ATE). Featuring clear examples, this one-stop reference covers all critical aspects of automated testing, including an introduction to high-speed digital basics, a discussion of industry standards, ATE and bench instrumentation for digital applications, and test and measurement techniques for characterization and production environment. Engineers learn how to apply automated test equipment for testing high-speed digital I/O interfaces and gain a better understanding of PCI-Express 4, 100Gb Ethernet, and MIPI while exploring the correlation between phase noise and jitter. This updated resource provides expanded material on 28/32 Gbps NRZ testing and wireless testing that are becoming increasingly more pertinent for future applications. This book explores the current trend of merging high-speed digital testing within the fields of photonic and wireless testing.

Applications of Essential Oils in the Food Industry Springer Nature Vols. for 1963- include as pt. 2 of the Jan. issue: Medical subject headings.

Sustainable Downstream Processing of Microalgae for Industrial Application Elsevier

Microalgae can be future resource for industrial biotechnology In current energy crisis era, microalgae are under tremendous research focus for the production of biodiesel due to their high photosynthetic efficiency, growth rate and high lipid content compared to territorial plants. However, the large-scale production of algal biomass and downstream processing of

harvested algae towards bio-fuels are facing several challenges from economic viability perspective. Apart from bio-fuels, the microalgae synthesize number of bio-molecules such as pigments (e.g., chlorophyll, carotenoid), protein (e.g., lectin, phycobiliprotein), and carbohydrates (e.g., agar, carrageenan, alginate, fucodian) which are available in the various forms of microalgal products. Therefore, developing a strategy for large-scale production and use of algal biomass for the co-production of these value-added macromolecules is thus imperative for the improvement of the economics of algal biorefinery. In the above context, this book covers three major areas (i) commercial-scale production of bio-molecules from microalgae, (ii) sustainable approach for industrial-scale operation, and (iii) optimization of downstream processes. Each of these sections is composed of several chapters written by the renowned academicians/industry experts. Furthermore, in this book, a significant weightage is given to the industry experts (around 50%) to enrich the industrial perspectives. We hope that amalgamate of fundamental knowledge from academicians and applied research information from industry experts will be useful for forthcoming implementation of a sustainable integrated microalgal biorefinery. This book highlights following. Explores biomolecules from microalgae and their applications Discusses microalgae cultivations and harvesting Examines downstream processing of biomolecules Explores sustainable integrated approaches for industrial scale operations Examines purification techniques specific for microalgal proteins, Omega 3 fatty Acids, carbohydrates, and pigments

Bioactive Extraction and Application in Food and Nutraceutical Industries Springer Nature

This publication makes a valuable contribution to often problematic and pertinent South African higher education issues such as student access and success, student learning, student support and student engagement. In this regard, the authors draw on the works of higher education theorists such as Kuh, Tinto, Marton and Saeljoe. The book is primarily a helpful resource for South African learners in school, students at universities, life orientation teachers, as well as parents of prospective university students. It will especially assist students to adapt to the university environment.

The Arts and Indigenous Knowledge Systems in a Modernized Africa IGI Global

This book gathers the latest advances, innovations, and applications in built environment, as presented by international researchers at the 15th Built Environment Conference, held in Durban, South Africa, on September 27-28, 2021, and organized by the Association of Schools of Construction of Southern Africa (ASOCSA). The overarching theme of the conference was "Construction in 5D: Deconstruction, Digitalization, Disruption, Disaster, Development", with contributions focusing on current trends, innovations, opportunities and challenges, policies and procedures, legislation and regulations, practices and case studies, in both the public and private sectors. The volume will contribute to the existing body of knowledge relative to the science and practice of construction not only in South Africa but wherever the products of construction are produced even in these new challenging times of fear and uncertainty.

Sewage and Biomass from Wastewater to Energy Penguin Random House South Africa

The book reviews advanced methods of wastewater treatments. Included are oxidation processes for the degradation of organic molecules; applications of nanomaterials and nanocomposites in membrane-based processes; design of adsorption columns; photocatalytic degradation processes; and the removal of dyes, pesticides and pharmaceutical compounds. Keywords:

Degradation of Organic Molecules, Nano Filtration, Ultrafiltration, Microfiltration, Nanomaterial-based Membranes, Adsorption Columns, Nano Carbon Cage, Photocatalytic Degradation, Dyes, Pesticides, Pharmaceutical Compounds, Advanced Oxidation Processes, Complex Organic Molecules, Perfluorooctanoic Acid, Hydrolytic Acidification, Levofloxacin Degradation, Catalytic Degradation, Energy Storage.

Handbook of Research on Design, Deployment, Automation, and Testing Strategies for 6G Mobile Core Network IGI Global

Proper implementation and the practice of governance in the public sector improve organizational performance through increased efficiency, productivity, quality, and innovation. Ultimately, governance helps organizations make better decisions, streamline processes, and reduce re-work, whilst also increasing integrity by bringing transparency and greater collaboration among stakeholders. Governance as a Catalyst for Public Sector Sustainability examines the concepts that have powerfully influenced development policy and investigates the role of governance in these institutions and how they have affected current development discourse. Covering topics such as public health sector sustainability, institutional participatory governance, and human resource information systems, this premier reference source is an excellent resource for government officials, policymakers, students and educators of higher education, librarians, researchers, and academicians.

The South African Builder IGI Global

In our data-rich era, extracting meaningful insights from the vast amount of information has become a crucial challenge, especially in government service delivery where informed decisions are paramount. Traditional approaches struggle with the enormity of data, highlighting the need for a new approach that integrates data science and machine learning. The book, Machine Learning and Data Science Techniques for Effective Government Service Delivery, becomes a vital resource in this transformation, offering a deep understanding of these technologies and their applications. Within the complex landscape of modern governance, this book stands as a solution-oriented guide. Recognizing data's value in the 21st century, it navigates the world of data science and machine learning, enhancing the

mechanics of government service. By addressing citizens' evolving needs, these advanced methods counter inefficiencies in traditional systems. Tailored for experts across technology, academia, and government, the book bridges theory and practicality. Covering foundational concepts and innovative applications, it explores the potential of data-driven decision-making for a more efficient and citizen-centric government future.

Study SA John Wiley & Sons

This collection derives from a conference held in Pretoria, South Africa, and discusses issues of indigenous knowledge systems (IKS) and the arts. It presents ideas about how to promote a deeper understanding of IKS within the arts, the development of IKS-arts research methodologies, and the protection and promotion of IKS in the arts. Knowledge, embedded in song, dance, folklore, design, architecture, theatre, and attire, and the visual arts can promote innovation and entrepreneurship, and it can improve communication. IKS, however, exists in a post-millennium, modernizing Africa. It is then the concept of post-Africanism that would induce one to think along the lines of a globalized, cosmopolitan and essentially modernized Africa. The book captures leading trends and ideas that could help to protect, promote, develop and affirm indigenous knowledge and systems, whilst also making room for ideas that do not necessarily oppose IKS, but encourage the modernization (not Westernization) of Africa.

The National Agricultural Directory 2011 BoD - Books on Demand

This volume details state-of-the-art methods on sustainable food extractions. Chapters guide readers on traditional and novel extraction techniques, as well as exploring diverse sources of bioactive compounds. Additionally, chapters provide a holistic view of the field, catering to the needs of researchers, industry professionals, and students who are interested in this rapidly evolving area. Written in the format of the Methods and Protocols in Food Science series, chapters list necessary materials and methods for readily reproducible protocols. Authoritative and cutting-edge, Bioactive Extraction and Application in Food and Nutraceutical Industries aims to be a foundation for future studies and to be a source of inspiration for new investigations in the field.

Best Sellers - Books :

- [Why A Daughter Needs A Dad: Celebrate Your Father Daughter Bond This Father's Day With This Special Picture Book! \(always In My Heart\) By Gregory E. Lang](#)
- [I'm Glad My Mom Died By Jennette McCurdy](#)
- [Harry Potter Paperback Box Set \(books 1-7\)](#)
- [The Very Hungry Caterpillar By Eric Carle](#)
- [Heart Bones: A Novel By Colleen Hoover](#)
- [How To Catch A Leprechaun](#)
- [Hunting Adeline \(cat And Mouse Duet\) By H. D. Carlton](#)
- [Bluey And Bingo's Fancy Restaurant Cookbook: Yummy Recipes, For Real Life By Penguin Young Readers Licenses](#)
- [Girl In Pieces](#)
- [Twisted Lies \(twisted, 4\)](#)