

Read Book Faculty Of Science Gombe State University Pdf For Free

Healthcare Education in Nigeria Machine Learning, Optimization, and Data Science Sustainable Uses and Prospects of Medicinal Plants Issues in Informing Science & Information Technology, Volume 9 (2012)
Iterative Methods for Solving Nonlinear Equations and Systems Plants and Phytomolecules for Immunomodulation Soft Computing International Conference on Emerging Applications and Technologies for Industry 4.0 (EATI'2020) *Type 2 Diabetes Microbes in the Spotlight An Evaluation of Biology-Integrated Science Programme in Nigeria Global Changes and Natural Disaster Management: Geo-information Technologies Natural Products and Neuroprotection BRAIN BLOOMERS Energy and Environmental Security in Developing Countries Translational Bioinformatics in Healthcare and Medicine Money Laundering and Terrorism Financing in Global Financial Systems Concepts, Cases, and Regulations in Financial Fraud and Corruption* *Geology and Economic Potential of Barite Mineralization on Gombe Inlier, Gombe State, Nigeria Ecological Interplays in Microbial Enzymology Information and Communication Technology and Applications Democratization and Military Coups in Africa*

Arthropods Diabetes Food Plan Advances in Computer Vision Hazardous Waste Management Cornbread, Fish and Collard Greens: Indian Science Abstracts Methodological Approaches in Physical Geography Science and technology: Subsidy Reinvestment Program (SURE-P) Recent Advances on Soft Computing and Data Mining Handbook of Research on Acceleration Programs for SMEs Routledge Handbook of Counterterrorism and Counterinsurgency in Africa Progress in Physics, vol. 2/2012 Information and Communication Technology for Intelligent Systems Nigeria: State by State Nnamdi Azikiwe Journal of Political Science Internal Security Management in Nigeria Environmental Health Journal of Environmental Sciences

Arthropods Jun 10 2021 This book presents comprehensive information on arthropods, the most abundant and diverse group of invertebrate animals in existence today. Chapters cover such topics as arthropods as food for humans, arthropods as a bioindicator species, use of arthropods in the cosmetic and pharmaceutical industries, arthropods and their conservation status, diets for raising

arthropods, and much more. It is a useful reference for undergraduate and graduate students, academics, researchers, and anyone interested in learning more about this important group of invertebrates and their current conservation status.

Money Laundering and Terrorism Financing in Global Financial Systems Dec 17 2021 During the last few decades, corrupt financial practices were increasingly being monitored in many countries around the globe. The past few decades have been eventful for these issues. Today, tackling money laundering and terrorism financing are considered key issues in developed and developing countries alike. Eradication of money laundering and terrorism financing through a holistic approach of awareness, prevention, and enforcement is a current need. It has enabled the birth of new regulatory regimes based on strict compliance, robust processes, and technology. One of the many problems with this is the lack of general awareness about all these issues among various stakeholders including researchers and practitioners. Money Laundering and Terrorism Financing in Global Financial Systems deepens the discourse about money laundering, terrorism financing, and risk management in a modern-day environment. It provides a

fascinating and invaluable guide for understanding the theory, practice, and cases of these topics. Split into two sections, the first being money laundering and terrorism financing and the second being financial governance and risk management, the chapters create comprehensive knowledge on these acts of crime in the financial industry by defining the crimes themselves, the many challenges and impacts, and potential solutions. This book is ideal for government officials, financial professionals, policymakers, academicians, business professionals, managers, IT specialists, researchers, and students.

Concepts, Cases, and Regulations in

Financial Fraud and Corruption Nov 15

2021 During the last few decades, financially and technologically corrupt practices, such as financial and technological crimes, frauds, forgeries, scandals, and money laundering, have been monitored in many countries around the globe. There is a general lack of awareness regarding these issues among various stakeholders including researchers and practitioners. Concepts, Cases, and Regulations in Financial Fraud and Corruption considers all aspects of financial and technological crimes, frauds, and corruption in individual, organizational, and societal experiences. The book also discusses the emergence and practices of financial crimes, frauds, and corruption during the last century and especially in the current technological advancement. Covering key topics such as

financing, ethical leadership, tax evasion, and insider trading, this premier reference source is ideal for computer scientists, business owners, managers, researchers, scholars, academicians, practitioners, instructors, and students.

Sustainable Uses and Prospects of Medicinal

Plants Feb 28 2023 Sustainable Uses and

Prospects of Medicinal Plants presents information on less known and underexplored medicinal plant species in various regions of the world. The book investigates current advances in medicinal plant science and includes detailed information on the use of green nanotechnology, characterization of plants, conservation, revitalization, propagation, and pharmacological activities of selected plants. A volume in the Exploring Medicinal Plants series, it collects information on less known medicinal plant species in various regions of the world for documentation profiling their ethnobotany, developments in their phytochemistry, and pharmacological activities and provides an in-depth look at some specific herbal medicines of importance, threatened and less known species and addresses sustainable utilization and conservation of medicinal plants to ensure existence and use. Appropriate for plant and biodiversity conservation organisations, community leaders, academicians, researchers, and pharmaceutical industry personnel, the book comprises innovative works with information of what is expected to address sustainability in the future.

Advances in Computer Vision Apr 08 2021

This book presents a remarkable collection of chapters covering a wide range of topics in the areas of Computer Vision, both from theoretical and application perspectives. It gathers the proceedings of the Computer Vision Conference (CVC 2019), held in Las Vegas, USA from May 2 to 3, 2019. The conference attracted a total of 371 submissions from pioneering researchers, scientists, industrial engineers, and students all around the world. These submissions underwent a double-blind peer review process, after which 120 (including 7 poster papers) were selected for inclusion in these proceedings. The book's goal is to reflect the intellectual breadth and depth of current research on computer vision, from classical to intelligent scope. Accordingly, its respective chapters address state-of-the-art intelligent methods and techniques for solving real-world problems, while also outlining future research directions. Topic areas covered include Machine Vision and Learning, Data Science, Image Processing, Deep Learning, and Computer Vision Applications.

Routledge Handbook of Counterterrorism and Counterinsurgency in Africa Aug 01

2020 This book illustrates how Africa's defence and security domains have been radically altered by drastic changes in world politics and local ramifications. First, the contributions of numerous authors highlight the transnational dimensions of counterterrorism and counterinsurgency in Africa and reveal the

roles played by African states and regional organisations in the global war on terror. Second, the volume critically evaluates the emerging regional architectures of countering terrorism, insurgency, and organised violence on the continent through the African Union Counterterrorism Framework (AU-CTF) and Regional Security Complexes (RSC). Third, the book sheds light on the counterterrorism and counterinsurgency (CT-COIN) structures and mechanisms established by specific African states to contain, degrade, and eliminate terrorism, insurgency, and organised violence on the continent, particularly the successes, constraints, and challenges of the emerging CT-COIN mechanisms. Finally, the volume highlights the entry of non-state actors – such as civil society, volunteer groups, private security companies, and defence contractors – into the theatre of counterterrorism and counterinsurgency in Africa through volunteerism, community support for state-led CT-COIN Operations, and civil-military cooperation (CIMIC). This book will be of use to students and scholars of security studies, African studies, international relations, and terrorism studies, and to practitioners of development, defence, security, and strategy.

Healthcare Education in Nigeria May 02 2023 This book provides a comprehensive and authoritative assessment of the training of health professionals in Nigeria, looking back to how health care education has evolved in the country over time, before investigating new and

emerging trends. The book begins with a discussion of the fundamentals of health care education, the art of teaching health care students, and modeling professionalism in health care. The book highlights the work of pioneer Nigerian health care academics, and explores the administration of health care education at departmental level. Finally, it highlights the role of elite Nigerian health care academics in the diaspora, chronicles contemporary challenges in health care education, and makes recommendations for reform. This book will be of interest to students, scholars, and practitioners working on health care education in Africa.

Internal Security Management in Nigeria Feb 25 2020 This book explores the disturbing dimensions of the problem of insecurity in Nigeria, such as herdsmen violence, the Boko Haram insurgency, cybercrime, militancy in the Niger Delta, communal conflict and violence, as well as police corruption. It offers a comprehensive discussion of the theoretical foundations of internal security, the threats to internal security, the role of formal and informal agencies in internal security management and the challenges of internal security management.

Democratization and Military Coups in Africa Jul 12 2021 Democratization and Military Coups in Africa: Post-1990 Political Conflicts studies the seemingly endless cycle of coups that have occurred in Africa since the “Free Officers Coup” of 1952 in Egypt. Unfortunately,

after more than three decades of the “third wave of democratization” that began in the 1990’s, military coups remain a firm figure on the African political landscape. Although the Organization of African Unity (OAU) and its successor, the African Union (AU), have developed and implemented anti-coup norms, they have not deterred coup-makers. Contributors to this volume analyze the major fault lines in the body politics of African states that have created the conditions for coup-making and offer suggestions for ending the cycle of coups. Using countries such as Burkina Faso, Cote d'Ivoire, Egypt, Mauritania, Sierra Leone, and Sudan as case studies, each chapter studies the causes, effects, and evolution of military coups in Africa in order to show that eliminating military coups will require identifying and addressing the root causes of the coup in each affected state.

Journal of Environmental Sciences Dec 25 2019
Global Changes and Natural Disaster Management: Geo-information Technologies May 22 2022 This book presents ongoing research and ideas related to earth observations and global change, natural hazards and disaster management studies, with respect to geospatial information technology, remote sensing, and global navigation satellite systems. Readers will discover uses of advanced geospatial tools, spatiotemporal models, and earth observation systems. Chapters identify the international aspects of

the coupled social, land and climate systems in global change studies, and consider such global challenges as agriculture monitoring, the smart city, and risk assessment. The work presented here has been carefully selected, edited, and peer reviewed in order to advance research and development, as well as to encourage innovative applications of Geomatics technologies in global change studies. The book will appeal not only to academicians, but also to professionals, politicians and decision makers who wish to learn from the very latest and most innovative, quality research in this area of global change and natural disaster management. Contributions are drawn from revised submissions based on state-of-the-art papers from the 7th GiT4NDM - 5th EOGC, 2015 event.

Nnamdi Azikiwe Journal of Political Science Mar 27 2020

Science and technology: Subsidy Reinvestment Program (SURE-P) Nov 03 2020

Environmental Health Jan 24 2020

Environmental Health discusses environmental effects on human health. It examines heavy metal pollution, biological effects of arsenic (on reproductive health, especially), effects of soil organic carbon, chemical pollution of drinking water, climate change and vector-borne diseases, marine fuels, particulate matter, and the United Nations Sustainable Development Goals (SDGs).

Natural Products and Neuroprotection Apr

20 2022 Neurodegenerative diseases, including Alzheimer's, Parkinson's, Huntington's, and amyotrophic lateral sclerosis, are the most common pathologies of the central nervous system currently without a cure. They share common molecular and cellular characteristics, including protein misfolding, mitochondrial dysfunction, glutamate toxicity, dysregulation of calcium homeostasis, oxidative stress, inflammation, and ageing, which contribute to neuronal death. Efforts to treat these diseases are often limited by their multifactorial etiology. Natural products, thanks to their multitarget activities, are considered promising alternatives for the treatment of neurodegeneration. This book deals with two different forms of natural products: extracts and isolated compounds. The study of the bioactivity of the extracts is extremely important as many studies have demonstrated the synergistic effect of the combination of different natural products. On the other hand, the investigation of the activity of specifically isolated natural products can be also important to understand their cellular and molecular mechanisms and to define the specific bioactive components in extracts or foods. This book can be considered an important contribution to knowledge of the neuroprotective effect of natural products and presents a great deal of information, related to both the benefits but also the limitations of their use in counteracting neurodegeneration.

International Conference on Emerging

Applications and Technologies for Industry

4.0 (EATI'2020) Sep 25 2022 This book addresses the adoption of intelligent algorithms for resolving challenges in different aspects of the society such as sport, cyber-security, COVID-19 pandemic, advertising, driving, smart environment sensors, blockchain, cloud computing, and health. In addition, the book also covers machine learning fundamentals such as feature selection. The book presents practical simulation results and different illustrations in different chapters for easy understanding of concepts and approaches. The types of contributions in the book are as follows: original research, survey, and theoretical insight that describe advancement in the adoption of technique for resolving the broad range of challenges. Researchers, undergraduates, postgraduates, and industry experts will find the book as a valuable resource that bridges theory and practice. .

Handbook of Research on Acceleration Programs for SMEs Sep 01 2020

The international financial crisis of 2007 and 2008 and the situation caused by the COVID-19 pandemic have had a great impact on many firms' financial needs. Simultaneously, several emerging countries have bet on boosting private initiatives as a way to diversify their economies and create jobs and wealth for their populations. New forms of financing have appeared that have impacted the firm's capital structure, cost of capital, and access to finance by underprivileged communities that are

normally outside the formal economy. The Handbook of Research on Acceleration Programs for SMEs provides and shares knowledge on the financial mix, alternative forms of finance, capital structure, and more. It calls attention to relevant challenges, financial institutions, and governments to guarantee funds and economic and social development with new competencies, innovations, new ways of investing, entrepreneurship, and business models with new public policies. Covering topics such as earnings management, capital structure, and foreign exchange, this major reference work is an essential resource for government officials, business leaders and executives, economists, sociologists, students and faculty of higher education, librarians, researchers, and academicians.

Machine Learning, Optimization, and Data Science Apr 01 2023 This two-volume set, LNCS 12565 and 12566, constitutes the refereed proceedings of the 6th International Conference on Machine Learning, Optimization, and Data Science, LOD 2020, held in Siena, Italy, in July 2020. The total of 116 full papers presented in this two-volume post-conference proceedings set was carefully reviewed and selected from 209 submissions. These research articles were written by leading scientists in the fields of machine learning, artificial intelligence, reinforcement learning, computational optimization, and data science presenting a substantial array of ideas, technologies, algorithms, methods, and

applications.

Diabetes Food Plan May 10 2021 Diabetes is a global pandemic where many remedies have been recommended as means of combating the prevalence of this disease. However, dietary control appears to be more effective than others. This book focuses on interventions concerning glycemic control, the oxidative stress-based occurrence of the disease and its prevention, as well as novel remedies. While many books have been published recently on this aspect, the book aims to serve as an update to the scientific community, as well as to those who have been adversely affected by the disease. There are many unexplored territories when it comes to diabetes, and it is hoped that this publication will open up new avenues of successfully curbing its occurrence.

Nigeria: State by State Apr 28 2020

Plants and Phytochemicals for Immunomodulation Nov 27 2022 This book describes the process of immunomodulation and the plants which possess immunomodulation properties to boost the immune system. The immunomodulation process is highly relevant to address emerging as well as existing diseases in humans. A better immune system triggers the cellular responses for neutralizing and combating the onset of disease conditions. Chapters in the book discuss plants that have profound effects on the health and well-being of humans. They discuss the natural phytochemicals that have immense diversity and uniqueness of molecules.

Molecules belonging to phenylpropanoids, terpenoids, steroids, alkaloids, and tannins etc possess a variety of pharmacological activities. The chapters describe how bioactive exert effects even when taken as part of the diet, supplement, and or as traditional herbal medicine. This book provides up-to-date scientific knowledge about the activities and mechanisms and leads in the area of medicinal plants and phytochemicals with immunomodulation properties. This book is meant for students, academics, researchers, and industry professionals interested in pharmacology, immunology, and plant secondary metabolites.

Methodological Approaches in Physical

Geography Dec 05 2020 Geography science aims to observe the dynamics in describing earth's surface as a place and space for humans to carry out their lives, starting from simple identification using recording and sketching models, then utilizing tools such as maps, satellite imagery, statistics and Geographic Information Systems (GIS). In the development of geography science, it is appropriate to explain phenomena of the earth in the present context along with the process of developing science and technology using suitable and effective methods. Physical geography is the branch of natural science that deals with the study of processes and patterns in the natural environment such as the atmosphere, hydrosphere, lithosphere and biosphere. This book covers the methodology of the study for

all aspects of physical geography, biosphere, hydrosphere, lithosphere, and atmosphere. A comprehensive geography textbook consists of a detailed research methodology for physical geography research including a few selected case studies in Asia. The uniqueness of this book is due to the contribution of several professors and subject experts from South East and East Asia with special particular reference to cases studies from a particular region. This book covered selected methodological approaches for hydrology, climatology and geomorphology including the discovery of the best method for exploring and assessing mysterious physical phenomena using a diversity of methodologies. This book explains the principal concept, basic method, optional method, detailed description of each method, and the advantages and disadvantages of the various methods. The technique of data selection, data acquisition, method of analysis, data interpretation and data analysis techniques with a specific focus on deterministic modeling, geography techniques, geospatial modeling with Geographic Information System (GIS), Artificial Intelligence (AI), Analytic Hierarchy Process (AHP), and Automated machine techniques and combination of statistical analysis. This book attempts to explore different approaches, methodological possibilities and challenges in conducting geographical research in physical geography. New digital geographic data sources and GIS applications can help

researchers to receive clearer concepts and obtain better measurements of the relevant attributes changes in the physical environment. Opportunity to critically examine the conceptualization and identification of the field in geographical research and how digital media has not only expanded the scope of what constitutes the field but has redefined the field in itself as well as the practices of observing, knowing, and analyzing the real world.

Microbes in the Spotlight Jul 24 2022
Microbes in the Spotlight: Recent Progress in the Understanding of Beneficial and Harmful Microorganisms contains a selection of papers presented at the VI International Conference on Environmental, Industrial and Applied Microbiology - BioMicroWorld2015 (Barcelona, Spain). This book offers the outcomes of completed and outgoing research works and experiences of several microbiology research groups across the world. The volume is divided into the following sections: --Agricultural and environmental microbiology. Biodeterioration, biodegradation, bioremediation --Food microbiology --Medical microbiology. Antimicrobial agents and chemotherapy. Antimicrobial resistance --Industrial microbiology. Microbial production of high-value products --Biotechnologically relevant enzymes and proteins --Methods and technology development --Microbial physiology
Readers will find this book a useful opportunity to keep up with the latest research results, insights and advances in the microbiology field.

Indian Science Abstracts Jan 06 2021
BRAIN BLOOMERS Mar 20 2022
Information and Communication Technology for Intelligent Systems May 29 2020 The 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 third International Conference on Information and Communication Technology for Intelligent Systems, which was held on April 6-7, 2018, in Ahmedabad, India. Divided into two volumes, the book discusses the fundamentals of various data analytics and algorithms, making it a valuable resource for researchers' future studies.
Ecological Interplays in Microbial Enzymology Sep 13 2021 This contributed volume compiles the latest developments in the field of microbial enzymology. It focuses on topics such as distribution of microbial enzymes in natural habitats, microbial enzymes in environmental sustainability, and environmental disturbances on microbial enzymes, which are organized into three parts, respectively. Ranging from micro-scale studies to macro, it covers a huge domain of microbial enzymes and their interplay between the components of the environment. Overall, the book portrays the importance of microbial enzyme technology and its role in solving the problems in modern-day life. The book is a ready reference for practicing students and researchers in environmental

engineering, chemical engineering, agricultural engineering, and other allied fields.

Translational Bioinformatics in Healthcare and Medicine Jan 18 2022

Translational Bioinformatics in Healthcare and Medicine offers an overview of main principles of bioinformatics, biological databases, clinical informatics, health informatics, viroinformatics and real-case applications of translational bioinformatics in healthcare. Written by experts from both technology and clinical sides, the content brings together essential knowledge to make the best of recent advancements of the field. The book discusses topics such as next generation sequence analysis, genomics in clinical care, IoT applications, blockchain technology, patient centered interoperability of EHR, health data mining, and translational bioinformatics methods for drug discovery and drug repurposing. In addition, it discusses the role of bioinformatics in cancer research and viroinformatics approaches to counter viral diseases through informatics. This is a valuable resource for bioinformaticians, clinicians, healthcare professionals, graduate students and several members of biomedical field who are interested in learning more about how bioinformatics can impact in their research and practice. Covers recent advancements in translational bioinformatics and its healthcare applications Discusses integrative and multidisciplinary approaches to U-healthcare systems development and management Bridges the gap among various knowledge domains in

the field, integrating both technological and clinical knowledge into practical content

Cornbread, Fish and Collard Greens: Feb 04 2021 Khafre K. Abif has been thriving with HIV for 24 years, and is a father of two college aged young men. He holds a master's degree in Library and Information Science from the University of Pittsburgh, and a Bachelor of Arts degree in Africana Studies from the University of Pittsburgh. Abif is the Founder/Executive Director of Cycle for Freedom, a national mobilizing campaign founded in 2010, to reduce the spread of HIV among African Americans and Latinos. During the 75-day campaign, Cycle for Freedom will engage fourteen (14) African American and Latino communities along the Underground Railroad Bicycle Route by developing strategies designed to increase HIV testing, and confront HIV-related stigma, homophobia, and lack or mis-education. www.cycleforfreedom.org Abif is one of five men in the inaugural class of The HEALTH (Health Executive Approaches to Leadership and Training in HIV) Seminar Program, a year long program designed to enhance knowledge, skills, and abilities for assuming leadership/management positions in the field of health with a particular focus on HIV for the next generation of African American MSM leaders and community based organizational practices. Abif also serves as Community Educator/Test Counselor for ONE Life of Pittsburgh, PA, as well as the Georgia HIV Prevention Community Planning Group. He

formerly served on the Pennsylvania HIV Prevention Community Planning Group and was the Community Co-Chair for the New Jersey HIV Prevention Community Planning Group where he ensured PIR for the group. As a librarian, Abif managed Children's Services for Brooklyn Public Library and was the first recipient of the Black Caucus of the American Library Association (BCALA) Dr. John C. Tyson Emerging Leader Award. As former Director of the Langston Hughes Library for the Children's Defense Fund (CDF) at the former Alex Haley Farm in Clinton, Tennessee, Abif was responsible for meeting the library's mission to serve as the intellectual commons of the movement to Leave No Child Behind®. Publications include co-editing with Teresa Y. Neely, *In Our Own Voices: The Changing Face of Librarianship*, and is contributing author in the anthologies *Poor People and Library Services*, and *Handbook of Black Librarianship*. Forthcoming work includes *Raising Kazembe*, and *Fall to Grace*. Visit Abif at TheBody.com <http://www.thebody.com/content/art60852.html>
Geology and Economic Potential of Barite Mineralization on Gombe Inlier, Gombe State, Nigeria Oct 15 2021 Research Paper from the year 2007 in the subject Geography / Earth Science - Geology, Mineralogy, Soil Science, grade: A, Abubakar Tafawa Balewa University, course: Applied Geology - Economic Geology/ Mineral Exploration, language: English, abstract: Barite (BaSO₄) mineralization occurs within Pan African fracture systems in the

Gombe inlier. Gombe Inlier is a Basement dome within the Gongola Basin (Upper Benue trough in Nigeria) which exposes most of the stratigraphic sequence (Bima Sandstone, Yolde Formation, Pindiga Formation and Gombe Sandstone). Fieldwork was conducted from March 23rd - 29th 2007, 20 minerals and rock samples were taken from the veins and host rocks, and then Geochemical, petrographic and structural analysis were conducted to ascertain the quality of barite, associated minerals, nature of host rock and also the type of chemical as well as structural barriers for the mineralization. The results shows that the principal planar planes hosting mineralizations were found to trend mostly in NE - WSW direction which conforms well in smaller scale with the trend of strike slip faults that faulted the inlier and on a larger scale conforms with the general trend of the Benue trough. The fractures are therefore probably subordinate to the general structural trend of the Benue trough. The main associated mineralization was inferred to be anhydrite (CaSO_4) which is also a sulphate like barite. This suggest competition for SO_3^{2-} by Ba^{2+} and Ca^{2+} but the deeper fractures host barite because Ba^{2+} originate from mantle and brought up by hydrothermal fluid through fractures while Ca^{2+} could be a dissolved ion in sea water. The quality of the barite in some veins is well over 70% BaSO_4 which is economically viable. Part of barite in some veins were leached and recrystallized into spindle crystals by later hydrothermal fluid

with little effect on its chemistry. The petrographic studies also revealed the purity of some barite veins and also indicated the presence of other associated minerals and also indicates the nature of the silica chemical barrier for the sulphate mineralizations.

Energy and Environmental Security in Developing Countries Feb 16 2022 This book presents a comprehensive account of the energy and environmental security perspectives of the developing countries. To address the subject comprehensively, it covers four geographically diverse clusters of developing countries from across the world. The regions particularly focused on are: South Asia, South East Asia, Sub Sahara Africa, and Latin America. It is a valuable contribution to the debate, and policy and research activities around the subjects of energy and environmental security in the developing countries and beyond. The book covers the interwoven subjects of energy security and environmental security in the context of developing countries for the first time. It discusses the latest dimensions, challenges, and solutions around taking into account technical, economic, social, and policy perspectives. It incorporates up-to-date data, case studies, and comparative assessment. This edited book has contributions from established as well as emerging scholars from around the world. It benefits a wide range of stakeholders from the fields of energy, environment, and sustainable development. It is of help to academics,

researchers, and analysts in these fields besides having appeal for policymakers, and national and international developmental organizations. It also helps developing countries to learn from each other's experiences.

Iterative Methods for Solving Nonlinear Equations and Systems Dec 29 2022 Solving nonlinear equations in Banach spaces (real or complex nonlinear equations, nonlinear systems, and nonlinear matrix equations, among others), is a non-trivial task that involves many areas of science and technology. Usually the solution is not directly affordable and require an approach using iterative algorithms. This Special Issue focuses mainly on the design, analysis of convergence, and stability of new schemes for solving nonlinear problems and their application to practical problems. Included papers study the following topics: Methods for finding simple or multiple roots either with or without derivatives, iterative methods for approximating different generalized inverses, real or complex dynamics associated to the rational functions resulting from the application of an iterative method on a polynomial. Additionally, the analysis of the convergence has been carried out by means of different sufficient conditions assuring the local, semilocal, or global convergence. This Special issue has allowed us to present the latest research results in the area of iterative processes for solving nonlinear equations as well as systems and matrix equations. In

addition to the theoretical papers, several manuscripts on signal processing, nonlinear integral equations, or partial differential equations, reveal the connection between iterative methods and other branches of science and engineering.

Issues in Informing Science & Information Technology, Volume 9 (2012) Jan 30 2023
Soft Computing Oct 27 2022 This book explores soft computing techniques in a systematic manner starting from their initial stage to recent developments in this area. The book presents a survey of the existing knowledge and the current state-of-the-art development through cutting-edge original new contributions from the researchers. Soft Computing: Recent Advances and Applications in Engineering and Mathematical Sciences presents a survey of the existing knowledge and the current state-of-the-art development through cutting-edge original new contributions from the researchers. As suggested by the title, this book particularly focuses on the recent advances and applications of soft computing techniques in engineering and mathematical sciences. Chapter 1 describes the contribution of soft computing techniques towards a new paradigm shift. The subsequent chapters present a systematic application of fuzzy logic in mathematical sciences and decision-making. New research directions are also provided at the end of each chapter. The application of soft computing in health sciences and in the modeling of epidemics including the effects of

vaccination are also examined. Sustainability of green product development, optimum design of 3D steel frame, digitalization investment analysis in the maritime industry, forecasting return rates of individual pension funds are among some of the topics where engineering and industrial applications of soft computing have been studied in the book. The readers of this book will require minimum prerequisites of undergraduate studies in computation and mathematics. This book is meant for graduate students, faculty, and researchers who are applying soft computing in engineering and mathematics. New research directions are also provided at the end of each chapter.

Hazardous Waste Management Mar 08 2021 This book presents a comprehensive overview of hazardous waste and hazardous waste management. It describes the various types and constituents of hazardous waste, discusses hazardous waste management techniques and technologies, and highlights techno-economic considerations and key issues in remediation. It is a useful resource for waste management and treatment professionals, chemical engineers, technicians, medical professionals, and environmental regulators as well as students studying hazardous waste management, environmental engineering, and environmental science.

Recent Advances on Soft Computing and Data Mining Oct 03 2020 This book provides a comprehensive introduction and practical look at the concepts and techniques readers need to

get the most out of their data in real-world, large-scale data mining projects. It also guides readers through the data-analytic thinking necessary for extracting useful knowledge and business value from the data. The book is based on the Soft Computing and Data Mining (SCDM-16) conference, which was held in Bandung, Indonesia on August 18th–20th 2016 to discuss the state of the art in soft computing techniques, and offer participants sufficient knowledge to tackle a wide range of complex systems. The scope of the conference is reflected in the book, which presents a balance of soft computing techniques and data mining approaches. The two constituents are introduced to the reader systematically and brought together using different combinations of applications and practices. It offers engineers, data analysts, practitioners, scientists and managers the insights into the concepts, tools and techniques employed, and as such enables them to better understand the design choice and options of soft computing techniques and data mining approaches that are necessary to thrive in this data-driven ecosystem.

Type 2 Diabetes Aug 25 2022 Diabetes mellitus is a metabolic disease characterized by chronic high blood glucose levels. Of the various types of diabetes, type 2 diabetes is increasing in prevalence due to obesity, aging, sedentarism, and other factors. This book presents a novel approach to preventing and treating type 2 diabetes. Chapters cover such topics as

diagnosis, pathogenesis, management, lifestyle and nutritional intervention, and systems to support early diagnosis and prevention of prediabetes.

Progress in Physics, vol. 2/2012 Jun 30 2020

The Journal on Advanced Studies in Theoretical and Experimental Physics, including Related Themes from Mathematics

Information and Communication Technology

and Applications Aug 13 2021 This book

constitutes revised selected papers from the Third International Conference on Information and Communication Technology and

Applications, ICTA 2020, held in Minna,

Nigeria, in November 2020. Due to the

COVID-19 pandemic the conference was held

online. The 67 full papers were carefully reviewed and selected from 234 submissions.

The papers are organized in the topical sections on Artificial Intelligence, Big Data and Machine Learning; Information Security Privacy and Trust; Information Science and Technology.

An Evaluation of Biology-Integrated

Science Programme in Nigeria Jun 22 2022

This is an Evaluation of Instructional Materials, Teacher Qualification and Students' Entry Requirements of Biology/Integrated Science Programme of the Federal College of Education (Technical) Gombe, Gombe State of Nigeria. A research carried out by the author to examine the conformity of the programme with the set guidelines of the regulating body of the Nigeria Certificate in Education (NCE) Minimum Standards (i.e. National Commission for

Colleges of Education) in Nigerian Colleges of Education.

- [Healthcare Education In Nigeria](#)
- [Machine Learning Optimization And Data Science](#)
- [Sustainable Uses And Prospects Of Medicinal Plants](#)
- [Issues In Informing Science Information Technology Volume 9 2012](#)
- [Iterative Methods For Solving Nonlinear Equations And Systems](#)
- [Plants And Phytomolecules For Immunomodulation](#)
- [Soft Computing](#)
- [International Conference On Emerging Applications And Technologies For Industry 40 EATI2020](#)
- [Type 2 Diabetes](#)
- [Microbes In The Spotlight](#)
- [An Evaluation Of Biology Integrated Science Programme In Nigeria](#)
- [Global Changes And Natural Disaster Management Geo information Technologies](#)
- [Natural Products And Neuroprotection](#)
- [BRAIN BLOOMERS](#)
- [Energy And Environmental Security In Developing Countries](#)
- [Translational Bioinformatics In Healthcare And Medicine](#)
- [Money Laundering And Terrorism Financing In Global Financial Systems](#)
- [Concepts Cases And Regulations In](#)

[Financial Fraud And Corruption](#)

- [Geology And Economic Potential Of Barite Mineralization On Gombe Inlier Gombe State Nigeria](#)
- [Ecological Interplays In Microbial Enzymology](#)
- [Information And Communication Technology And Applications](#)
- [Democratization And Military Coups In Africa](#)
- [Arthropods](#)
- [Diabetes Food Plan](#)
- [Advances In Computer Vision](#)
- [Hazardous Waste Management](#)
- [Cornbread Fish And Collard Greens](#)
- [Indian Science Abstracts](#)
- [Methodological Approaches In Physical Geography](#)
- [Science And Technology Subsidy Reinvestment Program SURE P](#)
- [Recent Advances On Soft Computing And Data Mining](#)
- [Handbook Of Research On Acceleration Programs For SMEs](#)
- [Routledge Handbook Of Counterterrorism And Counterinsurgency In Africa](#)
- [Progress In Physics Vol 2 2012](#)
- [Information And Communication Technology For Intelligent Systems](#)
- [Nigeria State By State](#)
- [Nnamdi Azikiwe Journal Of Political Science](#)
- [Internal Security Management In Nigeria](#)
- [Environmental Health](#)

- [Journal Of Environmental Sciences](#)