

Faculty Of Science Gombe State University

This book depicts and reveals the socioeconomic dynamics of the COVID-19 crisis, and its global, regional, and local perspectives. Explicitly interdisciplinary, this volume embraces a wide spectrum of topics across economics, business, public management, psychology, and public health. Written by global experts, each chapter offers a snapshot of an emerging aspect of the COVID-19 crisis for the benefit of academics and students, as well as the institutional, economic, social, and developmental policymakers and health practitioners on the ground.

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.

This book offers theoretical and practical insights into the marketing of higher education in Africa. It explores the key players, challenges and policies affecting higher education across the continent; their marketing strategies and the students’ selection process. While acknowledging the vast size of the continent, this book aims to provide an understanding of the dynamics of higher education in Africa. This book recognises the private and government involvement in higher education provision and students and staff as stakeholders in the marketisation process. Strategic efforts are directed by universities to attract prospective students. This book further addresses issues such as the responses of higher education sectors to the notion of markets and marketing; consumerism and competition in higher education in Africa; conceptions of the commodification of higher education in Africa; and the dominance of Western epistemologies and their influence in transforming higher education sectors. Students as consumers in increasingly marketised higher education sectors in Africa are also discussed. Though primarily for marketing students and academic researchers, the book's feature of blended theoretical and practical knowledge means that it will also be of interest to marketing practitioners and university managers.

Computational Intelligence in Oncology

Energy and Environmental Security In Developing Countries

6th International Conference, LOD 2020, Siena, Italy, July 19–23, 2020, Revised Selected Papers, Part II

Applications in Diagnosis, Prognosis and Therapeutics of Cancers

Nigeria: Awaken Unlimited Potentialities : Starring Ozichie in My First Day in School

International Who's Who of Authors and Writers 2007

Nigerian Federalism: Continuing Quest for Stability and Nation-Building explores the nature of and the debate over a number of recurrent issues, such as the “origins of Nigerian federalism, the number of state units in the federal system, fiscal issues, political parties, distributional issues, and intergovernmental relations” in Nigerian federalism since the establishment of proto-federalism under the Richards Constitution, 1946 seventy years ago. In exploring the issues, the book seeks to answer the question, “what accounts for the persistence of Nigerian federalism, despite the serious discontents that the debate throws up now and again?” The book offers a reinterpretation, which argues that the demand for true federalism, which anchors the major trend in the age-long debate on the structure of Nigerian federalism, is ahistorical and therefore static. The book uniquely emphasises the need to periodise the practice of Nigerian federalism into four major phases. Based on the periodisation, two cardinal propositions emerge from the various chapters of the book. First, in spite of separatist and centrifugal threats to its existence, Nigerian federalism has typically never sought to eliminate diversity, but to manage it. In this sense, the construction of Nigeria’s federal system from its earliest beginnings shows clearly that it is both a creature of diversity and an understanding that diversity will remain ingrained in its DNA. Secondly, Nigeria’s federal practice has not sought to mirror any model of “true federalism”, be it in the United States, Canada or elsewhere. Instead, Nigeria’s federal system has been a homegrown, if unstable modulation between foedus and separatus, a constantly negotiated terrain among centripetal and centrifugal forces and between centralisation and decentralisation. Consequently, a historical, periodised understanding of Nigerian federalism is inevitably essential. It is this historical and theoretical-methodological approach to explaining and understanding Nigerian federalism that gives the book its unique character. The book is for the general reader as well as for students, including researchers of Nigerian federalism and of Nigerian constitutional and political development, policymakers, and political parties.

What are the challenges and action points for agricultural sustainability in Sub-Saharan Africa? This open access collection of papers offers technical analyses, policy recommendations and an overview of success stories to date. Each carefully selected paper provides valuable insights for improved policy making and defines relevant strategic priorities on Africa’s sustainable transformation process, which is in line with the international development agenda. Although agriculture remains the main source of income for Africa’s population, the sector is rain-fed subjecting it to the vagaries of weather and climate change. This volume demonstrates the rationale of developing a competitive, inclusive and sustainable agribusiness sector for Africa’s food security and structural transformation. From the impact of Bioenergy crop adoption and Drought Index Insurance to Agro-Industrialization, this volume is important reading for individual researchers, academic associations and professional bodies interested in African agricultural development.

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

Popular Participation in the Integration of the East African Community

Nigeria Under the Fourth Republic

Philosophy, Psychology. Class B, Subclasses B-BJ

The Challenges of Infrastructure Development

Responsible Management of Shifts in Work Modes – Values for a Post Pandemic Future, Volume 1

African Indigenous Knowledges in a Postcolonial World

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. /divContributions are drawn from revised submissions based on state-of-the-art papers from the 7th GIT4NDM - 5th EOGC, 2015 event.

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.

This book covers current technological innovations and applications in image processing, introducing analysis techniques and describing applications in remote sensing and manufacturing, among others. The authors include new concepts of color space transformation like color interpolation, among others. Also, the concept of Shearlet Transform and Wavelet Transform and their implementation are discussed. The authors include a perspective about concepts and techniques of remote sensing like image mining, geographical, and agricultural resources. The book also includes several applications of human organ biomedical image analysis. In addition, the principle of moving object detection and tracking – including recent trends in moving vehicles and ship detection - is described. Presents developments of current research in various areas of image processing: Includes applications of image processing in remote sensing, astronomy, and manufacturing; Pertains to researchers, academics, students, and practitioners in image processing.

Type 2 Diabetes

Challenges and Possibilities

Continuing Quest for Stability and Nation-Building

Current Issues in Development

Progress in Physics, vol. 2/2012

Building a Resilient and Sustainable Agriculture in Sub-Saharan Africa

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.

A second volume of Jane Goodall’s autobiography in letters covers the years during which she made many of her most important discoveries on chimpanzee behavior, gave birth to her son, and became an environmental activist.

This two-volume set LNOS 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.

Trends and Advancements of Image Processing and Its Applications

The Second International Conference on Soft Computing and Data Mining (SCDM-2016), Bandung, Indonesia, August 18-20, 2016 Proceedings

Classification

Beyond Innocence

Research and Publications in a Nigerian College of Education

Implementing the Sustainable Development Goals in Nigeria

Considering the organisations that have borne the impact of the changes and the challenges to the health sector. Responsible Management of Shifts in Work Modes – Values for a Post Pandemic Future, Volume 1 unpacks what responsible management means, explores future adaptations to heighten responsibility and proffers recommendations.

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.

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

Sustainable Technologies for the Management of Agricultural Wastes

The News

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

Journal of the Faculty of Arts and Social Science, Nigerian Defence Academy

Essays in Honour of Toyin Falola

Progress in Physics

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.

This book argues that ancient and modern African indigenous knowledges remain key to Africa’s role in global capital, technological and knowledge development and to addressing her marginality and postcoloniality. The contributors engage the unresolved problematics of the historical and contemporary linkages between African knowledges and the African academy, and between African and global knowledges. The book relies on historical and comparative political analysis to explore the global context for the application of indigenous knowledges for tackling postcolonial challenges of knowledge production, conflict and migration, and women’s rights on the continent in transcontinental African contexts. Asserting the enduring potency of African indigenous knowledges for the transformation of policy, the African academy and the study of Africa in the global academy, this book will be of interest to scholars of African Studies, postcolonial studies and decolonisation and global affairs.

This book discusses modern technologies for utilizing various types of agricultural waste as a direct means of properly managing its abundance. It explores the potential of using waste materials obtained from the palm oil industry, used cooking oil, maize and tea plantations, as well as citrus-based plants for the production of useful, high-value materials such as pyrolygenous acid and bio-oil (Chapter 1), ferulic acid (Chapter 4) and bio-control agents (Chapter 5-7, 9). It also includes case studies to further enhance readers’ understanding. This comprehensive volume is useful to anyone involved in agricultural waste management, green chemistry and agricultural biotechnology. It is also recommended as a reference work for all agriculture and biotechnology libraries.

Bima Research Papers

Economy and Society in Nigeria

Socioeconomic Dynamics of the COVID-19 Crisis

COVID

Nigerian Federalism

Evolution and Emerging Paradigms

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.

Accurate and reliable biographical information essential to anyone interested in the world of literature Thinternational Who’s Who of Authors and Writersoffers invaluable information on the personalities and organizations of the literary world, including many up-and-coming writers as well as established names. With over 8,000 entries, this updated edition features: * Concise biographical information on novelists, authors, playwrights, columnists, journalists, editors, and critics * Biographical details of established writers as well as those who have recently risen to prominence * Entries detailing career, works published, literary awards and prizes, membership, and contact addresses where available * An extensive listing of major international literary awards and prizes, and winners of those prizes * A directory of major literary organizations and literary agents * A listing of members of the American Academy of Arts and Letters

The post-independence integration endeavor of the East African Community has been punctuated with challenges, culminating into the collapse of the 1967-1977 regional organization. The renaissance of the integration agenda since the re-establishment of the regional organization in 1999 has rekindled epistemological debate among scholars and practitioners on the East African Community raison d’etre and integration process. This volume is the first of its kind in this ongoing debate that puts into proper context the nexus between the East African citizens and the integration agenda. Focusing on the Partner States case studies, the authors of the chapters operationalize the concepts of popular participation, eastafricaniness, eastafricanization, democratization, and integration. Using political, national constitutions and EAC treaty, communication and awareness dimensions the authors of the chapters have analyzed the nexus between the EACcitizens and the integration process. The study generally proceeds from the premise that the exclusion of the EAC citizens from exercising their sovereign rights through popular participation undermines the prospects for the institutionalization and consolidation of the EAC identity, eastafricaniness, eastafricanization, democratization and integration.

An Autobiography in Letters: the Later Years

Democracy, Leadership and Accountability in Post-colonial Africa

Money Laundering and Terrorism Financing in Global Financial Systems

Iterative Methods for Solving Nonlinear Equations and Systems

Hazardous Waste Management

Arts and Social Science Research

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.

Advances in technology have enabled medicinal chemists to discover and formulate several highly specific, biocompatible, and non-toxic therapeutic agents for clinical applications. Nanotechnology has achieved significant progress in the last few decades and is crucial in every field of science and technology. Nanotechnology-based pharmaceuticals offer multifaceted and alternative methodologies in comparison to the limitations of many conventional clinical therapies. Expertise in designing and developing nanoformulations has helped in targeted drug delivery. Recently, the use of innovative therapeutic agents, particularly in nanomedicine, has accounted for a significant portion of the global pharmaceutical market and is predicted to continue to grow rapidly in the near future. Nanotherapeutic Strategies and New Pharmaceuticals is an accessible multi-part reference which informs the reader about several new techniques based on nanotechnology. The chapters explain relevant topics in detail. The book is designed to encourage and help undergraduate, graduate and post-graduate students in the field of nanotherapeutics, pharmaceuticals and bio-organic chemistry through the use of didactic language and simple illustrations. Part 2 of this book covers the potential of nanotherapeutics and natural therapies for treating neurological diseases, targeting ion channels, signal transduction therapy, gene therapy of single gene mutation diseases and for nanoformulations for special purposes such as wound healing and stimuli-responsive drug delivery. The book also features a chapter that summarizes the types of nanoparticles tailored for specific molecular targets that mediate different diseases. The book set serves as a textbook for students in pharmacology and medical biochemistry, as well as a quick reference for researchers on bio-organic chemistry, as well as general readers interested in nanomedicine.

This book explores Nigeria’s progress towards achieving the Sustainable Development Goals, presenting key country-specific lessons, as well as providing innovative solutions and practices which are transferable to other emerging economies. Despite all of Nigeria’s potential, and substantial oil revenues, poverty remains widespread and the country faces many challenges. The contributors to this book provide comparative historical and contemporary analysis of the main challenges for achieving progress in the SDGs, and make recommendations for the most effective ways of developing, adopting, disseminating and scaling them. Starting with the conceptualisation and evolution of the SDGs, the book goes on to consider the goal on ending poverty, and the urgent need to combat climate change and its impacts. The book also reflects on the role of business and taxation, and the cultural and societal dimensions of the SDGs, including education, gender, and the role of the church. Overall, the book focuses on knowledge/implementation gaps and the role of collaborative partnerships and disruptive technologies in implementing the framework in general. This book will be of interest to scholars, policy makers and practitioners of sustainable development and African studies, as well as those with a particular interest in Nigeria.

Global, Regional, and Local Perspectives

The Kwara State College of Education Ilorin Experience

BRAIN BLOOMERS

Nanotherapeutic Strategies and New Pharmaceuticals (Part 2)

The Scorecard and Challenges

From Pathophysiology to Cyber Systems

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.

Recent Advances on Soft Computing and Data Mining

Who’s who in Nigeria

Healthcare Education in Nigeria

Understanding the Higher Education Market in Africa

Global Changes and Natural Disaster Management: Geo-information Technologies

Translational Bioinformatics in Healthcare and Medicine