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*Perspectives on Culture, Values, and Justice Communalism and Globalization in South Asia and Its Diaspora Morality and Spirituality in the Contemporary World Plant Flow Measurement and Control Handbook Current Developments in Biotechnology and Bioengineering Celtic Warrior Descendants Financing Human Development in Africa, Asia and the Middle East Seeking Success in E-Business Promoting Economic Cooperation in South Asia Protein Interactions as Targets in Drug Discovery Natural Bioactive Compounds from Fruits and Vegetables as Health Promoters Part II Socially Responsible Consumption and Marketing in Practice Research and Development in E-Business through Service-Oriented Solutions Positive Mental Health, Fighting Stigma and Promoting Resiliency for Children and Adolescents The Indian Textile Journal Computational Intelligence for Sustainable Transportation and Mobility Cyber Crime Environmental Health Perspectives Communication Technology Update and Fundamentals Privacy Vulnerabilities and Data Security Challenges in the IoT Technological Innovation in Legacy Sectors Climate Smart Agriculture in South Asia The Life of Y Crony Capitalism in India Fabrication and Self-Assembly of Nanobiomaterials Nanoparticles and Nanocarriers Based Pharmaceutical Formulations Illustrated Pediatric Dentistry (Part I) Spatial Boundaries, Abounding Spaces Personalities on the Plate Contemporary Dielectric Materials A Gendered Profession Computer and Information Security Handbook The SAGE Encyclopedia of World Poverty Artificial Intelligence and Natural Algorithms Algal Functional Foods and Nutraceuticals: Benefits, Opportunities, and Challenges Economic Transformation of Jamaica Computational Intelligence and Machine Learning Approaches in Biomedical Engineering and Health Care Systems Animal Oppression and Capitalism Scholarly Electronic Publishing Bibliography 2010 Fundamentals of Bionanomaterials*

*Fabrication and Self-Assembly of Nanobiomaterials presents the most recent findings regarding the fabrication and self-assembly of nanomaterials for different biomedical applications. Respected authors from around the world offer a comprehensive look at how nanobiomaterials are made, enabling knowledge from current research to be used in an applied setting. Recent applications of nanotechnology in the biomedical field have developed in response to an increased demand for innovative approaches to diagnosis, exploratory procedures and therapy. The book provides the reader with a strong grounding in emerging biomedical nanofabrication technologies, covering numerous fabrication routes for specific applications are described in detail and discussing synthesis, characterization and current or potential future use. This book will be of interest to professors, postdoctoral researchers and students engaged in the fields of materials science, biotechnology and applied chemistry. It will also be highly valuable to those working in industry, including pharmaceuticals and biotechnology companies, medical researchers, biomedical engineers and advanced clinicians. An up-to-date and highly structured reference source for practitioners, researchers and students working in biomedical, biotechnological and engineering fields A valuable guide to recent scientific progress, covering major and emerging applications of nanomaterials in the biomedical field Proposes novel opportunities and ideas for developing or improving technologies in fabrication and self-assembly Positive Mental Health for Children and Adolescents: Fighting Stigma and Promoting Resiliency examines the main mechanisms involved in improving mental health in children and adolescents, including social and biological processes, as well as effective treatments. By taking into account diverse settings and cultures, the book combines academic, research, and clinical contributions and sets forth how it can be translated into effective clinical practice. In addition, the book promotes the study, treatment, care, and prevention of mental and emotional disorders and disabilities involving children, adolescents, and their families, and includes emerging knowledge on mental health problems and good practice in child and adolescent psychiatry as relayed by experts from around the world. Focuses on the empirical evidence base for work in child and adolescent mental health Appraises the available evidence and underscores where it is lacking Demonstrates the implementation of research into practice Highlights the relevance of existing knowledge for clinical management Considers service and policy implications Sustainable Treatment Technologies for Pre- and Poly-fluoroalkyl Substances provides comprehensive details about per- and poly-fluoroalkyls substances (PFASs), which are highly toxic and bio-accumulative substances that do not biodegrade easily or cannot be neutralized under*

*normal environmental conditions. It discusses their occurrence in water, wastewater, and aquatic environment, their bioaccumulation in plants, environmental impacts and various remedial technologies for their treatment and management. All the chapters provide state-of-art information about PFASs, describing their identification methods, characterization and present critical analysis of the treatment methods such as physical, chemical, biological, hybrid and advanced systems. This book is a ready reference for the environmental engineers, municipal engineers, environmental practitioners, policy makers, and planners; it is also a practical guide for industrial engineers, government bodies and ecologists as well as for researchers. Describes occurrence of PFASs in aquatic environment and on plant Provides details on identification methods and characterization of PFAS Describes physical, chemical, biological, hybrid and advanced system treatments for PFASs Covers regulatory aspects on PFASs First dedicated book on PFASs Colonialism advanced its project of territorial expansion by changing the very meaning of borders and space. The colonial project scripted a unipolar spatial discourse that saw the colonies as an extension of European borders. In his monograph, Mohit Chandna engages with narrations of spatial conflicts in French and Francophone literature and film from the nineteenth to the early twenty-first century. In literary works by Jules Verne, Ananda Devi, and Patrick Chamoiseau, and film by Michael Haneke, Chandna analyzes the depiction of ever-changing borders and spatial grammar within the colonial project. In so doing, he also examines the ongoing resistance to the spatial legacies of colonial practices that act as omnipresent enforcers of colonial borders. Literature and film become sites that register colonial spatial paradigms and advance competing narratives that fracture the dominance of these borders. Through its analyses Spatial Boundaries, Abounding Spaces shows that colonialism is not a finished project relegated to our past. Colonialism is present in the here and now, and exercises its power through the borders that define us. This book discusses various climate smart agro-technologies, their technical and economic feasibility across heterogeneous agro-climatic conditions, assessing farmers' willingness to adopt those technologies, impact of climate smart technology in agricultural production and possible policy and investment opportunities to upscale it. Containing eight chapters, the book starts with a discussion about the methodological aspects of priority setting of the farm technologies across various regions of South Asia including Eastern Indo-Gangetic plain, Western Indo-Gangetic Plain and arid regions. Using data from field based trials and expert solicitations, the book next deliberates on a list of feasible technologies, assessed by constructing climate smart Feasibility Index. Further on, there is an analysis, using stated preference method, of the behaviour of farmers in adopting climate smart technologies. Preference of women farmers has been given a special focus in this book. After discussing the method priority setting of the farm technologies, impact of climate smart technologies has been analysed using real time data. Government policies have been reviewed with the view of achieving climate smart agriculture in South Asia. The book also describes the optimization modelling framework for investment allocation and technology prioritization. The model integrates both the bio-physical and the economic optimization model to capture the agro-climatic heterogeneity within the region and the variability of technical feasibility across regions and crops. Results of this model will help policy makers to identify how much to invest, where to invest and what technologies to prioritize for investments. Computer and Information Security Handbook, Third Edition, provides the most current and complete reference on computer security available in one volume. The book offers deep coverage of an extremely wide range of issues in computer and cybersecurity theory, applications, and best practices, offering the latest insights into established and emerging technologies and advancements. With new parts devoted to such current topics as Cloud Security, Cyber-Physical Security, and Critical Infrastructure Security, the book now has 100 chapters written by leading experts in their fields, as well as 12 updated appendices and an expanded glossary. It continues its successful format of offering problem-solving techniques that use real-life case studies, checklists, hands-on exercises, question and answers, and summaries. Chapters new to this edition include such timely topics as Cyber Warfare, Endpoint Security, Ethical Hacking, Internet of Things Security, Nanoscale Networking and Communications Security, Social Engineering, System Forensics, Wireless Sensor Network Security, Verifying User and Host Identity, Detecting System Intrusions, Insider Threats, Security Certification and Standards Implementation, Metadata Forensics, Hard Drive Imaging, Context-Aware Multi-Factor Authentication, Cloud Security, Protecting Virtual Infrastructure, Penetration Testing, and much more. Written by leaders in the field Comprehensive and up-to-date coverage of the latest security technologies, issues, and best practices Presents methods for analysis, along with problem-solving techniques for implementing practical solutions This book discusses the evolution of security and privacy issues in the*

**Internet of Things (IoT).** The book focuses on assembling all security- and privacy-related technologies into a single source so that students, researchers, academics, and those in the industry can easily understand the IoT security and privacy issues. This edited book discusses the use of security engineering and privacy-by-design principles to design a secure IoT ecosystem and to implement cybersecurity solutions. This book takes the readers on a journey that begins with understanding security issues in IoT-enabled technologies and how these can be applied in various sectors. It walks readers through engaging with security challenges and building a safe infrastructure for IoT devices. The book helps researchers and practitioners understand the security architecture of IoT and the state-of-the-art in IoT countermeasures. It also differentiates security threats in IoT-enabled infrastructure from traditional ad hoc or infrastructural networks, and provides a comprehensive discussion on the security challenges and solutions in RFID and WSNs in IoT. This book aims to highlight the concepts of related technologies and novel findings by researchers through its chapter organization. The primary audience comprises specialists, researchers, graduate students, designers, experts, and engineers undertaking research on security-related issues. **Illustrated Pediatric Dentistry** is intended to be a guide to undergraduate and postgraduate students in their understanding of pediatric dentistry. This textbook is modernized with the latest information and techniques in pediatric dentistry. The chapters cover primary pediatric dentistry, its clinical aspects, preventive dentistry, and information about the latest trends in the specialty. The text will equip readers with the knowledge suited to the changing environment of this vital domain. This textbook's editor has over forty-four years of teaching experience in pediatric dentistry and gives their broad perspective through the book content. This book is also the amalgamation of the thoughts of numerous subject experts of international repute. Part 1 of this book features information about the developmental psychology of a child, dental caries, craniofacial growth and development, growth of the maxilla and mandible, dentition and occlusion, and oral mucosa. **Key Features:** - The 15, structured chapters keep the latest trends of the subject in mind - The book content is illustrated with quality clinical images, - Chapters cover contemporary concepts of problems experienced when treating multiple dental disorders - The contributions exhibit distinct clinical expertise and the capability of imparting inimitable knowledge to budding professionals - The book includes modern and current state-of-the-art techniques used in the clinic - Topic outlines help to quickly review and easily locate content. Also, the Contents of the book are well structured and presented in a very lucid manner, making it easy to understand for students. **Promoting Economic Cooperation in South Asia: Beyond SAFTA** examines the distinct development dichotomy that exists in South Asia and tries to find a workable solution to bridge this gap. In spite of rapid economic growth since 1980, there is extensive poverty and inequality in South Asia. This dichotomy has two faces: one is highly urbanized and well-linked to global markets, and the other is rural, isolated from the global economy, and growing very slowly. The large bulk of South Asia's poor live in the latter environment. The book brings together perspectives from academics, the private sector, civil society and policy makers. Using solid empirical evidence and sound analysis, it stresses that in addition to policy and institutional reforms aimed at removing domestic constraints to growth and job creation, market integration and regional cooperation ought to be key elements of a strategy for removing the dichotomy and eliminating poverty in the longer term. Delving into major political economic issues of the SAARC region, the book analyzes SAFTA, bilateral FTAs, transportation, regional integration, regulatory mechanisms, food prices, labor and employment, and tourism. It also provides an analysis of why past cooperation efforts have not worked and how better cooperation can be achieved in specific areas. It looks at the many policy and institutional constraints that contribute to the present state and have made South Asia one of the least integrated regions of the world. The book will be a very useful reference for researchers, scholars and bilateral and multilateral financial institutions and donor groups interested in South Asia's development. Policy makers and think tanks focusing on economics, political science, and international relations will also find it beneficial. **Nanomedicine** is a rapidly expanding field because of its benefits over conventional drug delivery technology, as it offers site-specific and target-oriented delivery of therapeutic agents. **Nanoparticles and Nanocarriers Based Pharmaceutical Preparations** presents a structured summary of recent advances and discoveries in nanomedicine and nanocarrier-based drug delivery. The book covers several key topics in a very simple and easy to understand language. Readers will be familiarized with many types of nanocarriers that have been developed over the past decade, the pharmaceutical formulations composed of organic and inorganic materials as well as their clinical benefits. Chapters are written with the help of authoritative sources of knowledge with the goal of building a foundational understanding of novel drug delivery systems. Since the subject matter is

*interdisciplinary, it will be of interest to students, teachers and researchers in a broad range of fields, including pharmaceutical sciences, nanotechnology, biomedical engineering and material sciences. This book informs the reader about applications of Artificial Intelligence (AI) and nature-inspired algorithms in different situations. Each chapter in this book is written by topic experts on AI, nature-inspired algorithms and data science. The basic concepts relevant to these topics are explained, including evolutionary computing (EC), artificial neural networks (ANN), swarm intelligence (SI), and fuzzy systems (FS). Additionally, the book also covers optimization algorithms for data analysis. The contents include algorithms that can be used in systems designed for plant science research, load balancing, environmental analysis and healthcare. The goal of the book is to equip the reader - students and data analysts - with the information needed to apply basic AI algorithms to resolve actual problems encountered in a professional environment. Protein Interactions as Targets in Drug Discovery, Volume 121, is dedicated to the design of therapeutics, both experimental and computational, that target protein interactions. Chapters in this new release include Trends in structure based drug design with protein targets, From fragment- to peptide-protein interaction: addressing the structural basis of binding using Supervised Molecular Dynamics (SuMD), Protein-protein and protein-ligand interactions: identification of potential inhibitors through computational analysis, Aromatic-aromatic interactions in protein-drug and protein-protein interactions, Role of protein-protein interaction in allosteric drug design within the human methyltransferase, and much more. Integrates experimental and computational methods for studying protein interactions and their modulation by potential therapeutics Contains timely chapters written by well-renown authorities in their field Covers information that is well supported by a number of high quality illustrations, figures and tables Targets a very wide audience of specialists, researchers and students New technologies and computing methodologies are now used to address the existing issues of urban traffic systems. The development of computational intelligence methods such as machine learning and deep learning, enables engineers to find innovative solutions to guide traffic in order to reduce transportation and mobility problems in urban areas. This volume, Computational Intelligence for Sustainable Transportation and Mobility, presents several computing models for intelligent transportation systems, which may hold the key to achieving sustainable development goals by optimizing traffic flow and minimizing associated risks. The book begins with the basic computational Intelligence techniques for traffic systems and explains its applications in vehicular traffic prediction, model optimization, behavior analysis, traffic density estimation, and more. The main objectives of this book are to present novel techniques developed, new technologies and computational intelligence for sustainable mobility and transportation solutions, as well as giving an understanding of some Industry 4.0 trends. Readers will learn how to apply computational intelligence techniques such as multiagent systems (MAS), whale optimization, artificial Intelligence (AI), deep neural networks (DNNs) so that they can to develop algorithms, models, and approaches for sustainable transportation operations. Key Features: - Provides an overview of machine learning models and their optimization for intelligent transportation systems in urban areas - Covers classification of traffic behavior - Demonstrates the application of artificial immune system algorithms for traffic prediction - Covers traffic density estimation using deep learning models - Covers Fog and edge computing for intelligent transportation systems - Gives an IoT and Industry 4.0 perspective about intelligent transportation systems to readers - Presents a current perspective on an urban hyperloop system for India Celtic Warrior Descendants is a genetic, cultural and political history of an American family. It is typical of the history of many Americans of Scotch-Irish descent, and is applicable to a host of people with many surnames. The book pursues the Celtic history of Ireland and Britain to the Iberian Peninsula, and then to the Middle East and before. It also depicts some significant aspects of our ancestors' world, of Celtic mythology, and of cultural traits passed down by our Celtic and pre-Celtic ancestors. Further, as part of his legacy to his descendants, the author takes issue with some lasting political myths learned during his youth. The book is designed to acquaint the reader with the family's genetic history and with the world and culture of the living family's ancestors. It includes mythic, cultural, and political aspects that extend its applicability to a great number of the descendants of the English, Irish, Scottish and Welsh immigrants who came to America several hundred years ago. Plant Flow Measurement and Control Handbook is a comprehensive reference source for practicing engineers in the field of instrumentation and controls. It covers many practical topics, such as installation, maintenance and potential issues, giving an overview of available techniques, along with recommendations for application. In addition, it covers available flow sensors, such as automation and control. The author brings his 35 years of experience in working in instrumentation and control within the*

**industry to this title with a focus on fluid flow measurement, its importance in plant design and the appropriate control of processes. The book provides a good balance between practical issues and theory and is fully supported with industry case studies and a high level of illustrations to assist learning. It is unique in its coverage of multiphase flow, solid flow, process connection to the plant, flow computation and control. Readers will not only further understand design, but they will also further comprehend integration tactics that can be applied to the plant through a step-by-step design process that goes from installation to operation. Provides specification sheets, engineering drawings, calibration procedures and installation practices for each type of measurement Presents the correct flow meter that is suitable for a particular application Includes a selection table and step-by-step guide to help users make the best decision Cover examples and applications from engineering practice that will aid in understanding and application**

**Crony Capitalism in India provides a comprehensive and scholarly examination of the important topic of crony capitalism, filling an important gap in the market. Bringing together experts from various backgrounds, it addresses the key underpinnings of this complex and multifarious issue. Given the emergent nature of the Indian economy, this book provides important information for decision makers in both government and business to help establish a robust institutional framework that is so desperately needed both in India and globally. 1st prize in the DMA-NTPC Management Book Awards, 2018. Currently, we have about 2 billion millennials in the world, aged between 17 and 37 years, who are fast becoming the world's most important generational cohort in terms of consumer spending growth, sourcing of employees and overall economic prospects. Engaging this cohort for businesses, societies and nations is no more a matter of choice. The 2016 millennial survey by Deloitte on millennials has alarming news for companies the world over. Majority of the millennials or Gen Y workers are likely to change their companies by 2020. While the world over similar trends are visible, India ranks third where the probability of Gen Y workers leaving their current companies is maximum. The survey also points to the fact that this lack of loyalty may be a sign of neglect that millennials might be facing in their organizations. Such poor levels of engagement of millennial workers in India and rest of the world are a huge red flag for all companies. Poor engagement will not only have cost implications but also have huge negative implications on the growth, profitability and sustainability of companies, especially when the going is not particularly easy for most of the industry sectors. This book attempts to create a deep empathy for millennials and is a result of the author's extensive research spanning almost a decade. The book dives deep into the life of Generation Y and seeks to create an unbiased understanding about this generation, thereby exploding the perceptual myths and stereotypes about them. Based on the research, the book suggests a new strategy to engage with the millennial generation in the workplace and marketplace in particular and the society in general. It provides a consultative guidance to engaging millennials seeking to replace the old models and designs of engagement. The book provides an overview of socially responsible consumption and marketing, as well as a collection of teaching cases that discuss and emphasize how 21st-century organizations, both for-profit and non-profit, are addressing socially responsible consumers and meeting their changing needs while remaining profitable. Consumers, governments, academics, and practitioners are becoming more interested in promoting positive social changes through consumption. As a result, this book aims to understand the practice of marketing in bringing about positive social change through real-life case studies. Consumption by socially responsible consumers who care about the social good is unique, not only because of its inter-disciplinary and substantive subject matter but also because it presents challenges and pushes organizations to make significant changes in the ways they have been accomplishing organizational activities in the twenty-first century, from procurement to production to sales and services. The book goes beyond individual consumers and their lifestyles to promote the scope of discussing marketing strategies. It seeks to comprehend how people consume and how socially responsible consumption is conceived. The case studies present and pursue integrated solutions for more sustainable consumption. This is a must-read for marketers who want to reach out to socially responsible consumers. Taking as its premise the belief that communalism is not a resurgence of tradition but is instead an inherently modern phenomenon, as well as a product of the fundamental agencies and ideas of modernity, and that globalization is neither a unique nor unprecedented process, this book addresses the question of whether globalization has amplified or muted processes of communalism. It does so through exploring the concurrent histories of communalism and globalization in four South Asian contexts - India, Pakistan, Bangladesh and Sri Lanka - as well as in various diasporic locations, from the nineteenth century to the present. Including contributions by some of the most notable scholars working on communalism in South Asia and its**

diaspora as well as by some challenging new voices, the book encompasses both different disciplinary and theoretical perspectives. It looks at a range of methodologies in an effort to stimulate new debates on the relationship between communalism and globalization, and is a useful contribution to studies on South Asia and Asian History. Bionanomaterials are molecular materials composed partially or completely of biological molecules, key biological structures, such as proteins, enzymes, viruses, DNA, biopolymers as well as metal, metal oxides, and carbon nanomaterials with characteristic bioactivity. Bionanomaterials have drawn much attention for their use in a wide range of industrial applications from scaffolds, dental implants, drug delivery, dialysis, biobatteries, biofuel cells, air purification, and water treatment. Therefore, the intensive current research in this area is driven towards the designing and functionalization of bionanomaterials for industrial applications. *Fundamentals of Bionanomaterials* covers the fundamental aspects, experimental setup, synthesis, properties, and characterization of the different types of bionanomaterial. It discusses the different structure and unique properties of bionanomaterials that can be obtained by modifying their morphology and composition, highlighting a wide range of fabrication techniques of bionanomaterials and critical processing parameters. This is an important reference source for all those seeking to gain a solid understanding of the characterization, properties and processing a variety of bionanomaterial classes. Explains the major properties and characterization techniques for a range of bionanomaterial classes Discusses the commercialization of different types of bionanomaterials for a variety of industry sectors Highlights the challenges and interdisciplinary perspective of bionanomaterials in science, biology, engineering, medicine, and technology, incorporating both fundamentals and applications Plants have been widely used to treat diseases, owing to the presence of bioactive compounds (phytochemicals) which play important roles in health promotion and disease prevention. In recent years, advances in chemical extraction techniques, lifestyle and dietary choices for human health have increased the interest in the consumption and study of fruits, vegetables, and foods enriched with bioactive compounds and nutraceuticals. Thousands of dietary phytochemicals, such as flavonoids, phenolic acids, glucosinolates, terpenes and alkaloids, have been identified and categorized further according to a diverse array of biochemical properties. Many of these phytochemicals have been hypothesized to reduce the risk of several pathological conditions which include life threatening diseases such as heart disease and cancer, to name a few. *Natural Bioactive Compounds from Fruits and Vegetables as Health Promoters* is a 2 book set which presents a summary of different classes of phytochemicals commonly found in common edible food sources. Each chapter details the general chemical structures of compounds, naturally present in specific fruits, vegetables and grains, their biological importance and mechanisms of action. The book set is an essential handbook for anyone interested in the natural product chemistry of these common crops. Part 1 of this set covers details about different fruits (banana, citrus fruits, pears, etc.). Part 2 covers legumes, nuts, seeds and cereals. The contemporary world faces a number of problems that are both deep-seated and interrelated, since they arise from the very nature of technological society. The environment upon which all life depends is seriously threatened by climate change, rising sea levels, pollution, overpopulation, resource depletion and increased risks of droughts, forest fires, floods and other extreme weather events. Environmental degradation is intimately connected to the consumer lifestyle of developed countries. This lifestyle promotes materialism, entertainment and hedonistic superficiality that ultimately lead to moral corruption. Our insensitive and destructive attitude towards nature is not isolated, or unrelated to other problems of social justice. The environmental crisis reflects human structures of domination that include political and economic exploitation, racism, sexism and ageism. These challenges are immense, and solutions to them will require a renewed dedication to moral reflection and a commitment to social justice. This book discusses the challenges in connection with topics such as human rights, economic exploitation and inequality, environmental protection, globalization, global food justice, technology, gender equality and ageism. It provides a plurality of moral and spiritual perspectives including Hinduism, Buddhism, Daoism and Christianity that offer guidance in finding responses that are both possible and reasonable. This textbook examines the psychology of cyber crime. It aims to be useful to both undergraduate and postgraduate students from a wide variety of disciplines, including criminology, psychology and information technology. Because of the diversity of backgrounds of potential readers, this book presumes no prior knowledge of either the psychological or technological aspects of cyber crime – key concepts in both areas are defined as they arise in the chapters that follow. The chapters consider research that has been conducted in each area, but also apply psychological theories and models to each type of cyber crime. The chapters also consider many

aspects of each cyber crime. A classic now in its 14th edition, *Communication Technology Update and Fundamentals* is the single best resource for students and professionals looking to brush up on how these technologies have developed, grown, and converged, as well as what's in store for the future. It begins by developing the communication technology framework—the history, ecosystem, and structure—then delves into each type of technology, including everything from mass media, to computers and consumer electronics, to networking technologies. Each chapter is written by faculty and industry experts who provide snapshots of the state of each individual field, altogether providing a broad overview of the role communication technologies play in our everyday lives. Key features: Gives students and professionals the latest information in all areas of communication technology The companion website offers updated information and useful links to related industry resources, and an instructor site provides a sample syllabus and a test bank This edition features new chapters on automotive telematics, digital health, and telepresence, as well as expanded coverage of tablets/phablets and 4K (ultra high definition television) The Scholarly Electronic Publishing Bibliography presents over 3,800 selected English-language articles, books, and other textual sources that are useful in understanding scholarly electronic publishing efforts on the Internet. It covers digital copyright, digital libraries, digital preservation, digital rights management, digital repositories, economic issues, electronic books and texts, electronic serials, license agreements, metadata, publisher issues, open access, and other related topics. Most sources have been published from 1990 through 2010. Many references have links to freely available copies of included works. Peter Jacso said in *ONLINE* (vol. 27, no. 3 2003, pp. 73-76): "SEP is compiled with utter professionalism. It reminds me of the work of the best artisans who know not only every item that leaves their workshops, but each component used to create them—providing the ideal quality control. . . . The selection of items is impeccable. I have yet to find journal articles irrelevant to the scope of the bibliography. SEP could be used as a benchmark in evaluating abstracting/indexing databases that proudly claim to have coverage of electronic publishing, but do not come close to SEP." How much would poor nations need to invest to eliminate poverty, get all children in school and provide adequate basic health care for all? Can they afford it? *Financing Human Development in Africa, Asia and the Middle East* provides some clear answers to these questions. The contributors assess feasible financing strategies underpinning actions to enhance human development in pursuance of the United Nations' Millennium Development Goals (MDGs). The contributors analyse these strategies in the context of broader concerns of economic development in nine countries in Africa, Asia and the Middle East. The assessments stress the importance of redesigning macroeconomic policies so as to make these more supportive of long-term economic growth and employment creation, while ensuring sufficient investments in human development in order to end poverty and overcome deep-rooted inequalities. This book deals with experimental results of the physical characterization of several important, dielectric materials of great current interest. The experimental tools used for the analysis of these materials include X-ray diffraction, dielectric measurements, magnetic measurements using a vibrating sample magnetometer, optical measurements using a UV-Visible spectrometer etc. The book focuses on the following topics; the impedance analysis of nanocrystalline NiO prepared using the combustion method; PL (photoluminescence, IR (Infra-red), Raman, and X-ray characterization of GaO powders prepared using the chemical method; X-ray, SEM (Scanning Electron Microscopy), VSM (Vibrating Sample Magnetometer), UV-Vis (UltraViolet-Visible) characterization of the multiferroic material Ga<sub>2-x</sub>Fe<sub>x</sub>O<sub>3</sub> prepared using the SSR (Solid State Reaction) method; XRD and optical studies on sol-gel prepared samarium and manganese substituted calcium hydroxyapatite; defect studies and positron annihilation studies on ZnO nano particles prepared using the sol-gel and combustion methods; Bonding in La<sub>0.9</sub>Zn<sub>0.1</sub>FeO<sub>3</sub> multiferroic material prepared using the chemical method; effect of temperature on the magnetic phase transition in Co<sub>0.5</sub>Zn<sub>0.5</sub>Fe<sub>2</sub>O<sub>4</sub> prepared using the mechanical alloying method; effect of sintering temperature on the micro structure and optical properties of ZnO ceramics. The issue of gender inequality in architecture has been part of the profession's discourse for many years, yet the continuing gender imbalance in architectural education and practice remains a difficult subject. This book seeks to change that. It provides the first ever attempt to move the debate about gender in architecture beyond the tradition of gender-segregated diagnostic or critical discourse on the debate towards something more propositional, actionable and transformative. To do this, *A Gendered Profession* brings together a comprehensive array of essays from a wide variety of experts in architectural education and practice, touching on issues such as LGBT, age, family status, and gender biased awards. *Computational Intelligence and Machine Learning Approaches in Biomedical Engineering and Health Care Systems* explains the emerging technology that currently drives computer-

*aided diagnosis, medical analysis and other electronic healthcare systems. 11 book chapters cover advances in biomedical engineering fields achieved through deep learning and soft-computing techniques. Readers are given a fresh perspective on the impact on the outcomes for healthcare professionals who are assisted by advanced computing algorithms. Key Features: - Covers emerging technologies in biomedical engineering and healthcare that assist physicians in diagnosis, treatment, and surgical planning in a multidisciplinary context - Provides examples of technical use cases for artificial intelligence, machine learning and deep learning in medicine, with examples of different algorithms - Introduces readers to the concept of telemedicine and electronic healthcare systems - Provides implementations of disease prediction models for different diseases including cardiovascular diseases, diabetes and Alzheimer's disease - Summarizes key information for learners - Includes references for advanced readers The book serves as an essential reference for academic readers, as well as computer science enthusiasts who want to familiarize themselves with the practical computing techniques in the field of biomedical engineering (with a focus on medical imaging) and medical informatics. "Rooted in the latest science, and built on a mix of firsthand experience (including entomophagy, which, yes, is what you think it is) and close engagement with the work of scientists, farmers, vets, and chefs, Personalities on the Plate is an unforgettable journey through the world of animals we eat."--Dust jacket. The American economy faces two deep problems: expanding innovation and raising the rate of quality job creation. Both have roots in a neglected problem: the resistance of Legacy economic sectors to innovation. While the U.S. has focused its policies on breakthrough innovations to create new economic frontiers like information technology and biotechnology, most of its economy is locked into Legacy sectors defended by technological/ economic/ political/ social paradigms that block competition from disruptive innovations that could challenge their models. Americans like to build technology "covered wagons" and take them "out west" to open new innovation frontiers; we don't head our wagons "back east" to bring innovation to our Legacy sectors. By failing to do so, the economy misses a major opportunity for innovation, which is the bedrock of U.S. competitiveness and its standard of living. Technological Innovation in Legacy Sectors uses a new, unifying conceptual framework to identify the shared features underlying structural obstacles to innovation in major Legacy sectors: energy, air and auto transport, the electric power grid, buildings, manufacturing, agriculture, health care delivery and higher education, and develops approaches to understand and transform them. It finds both strengths and obstacles to innovation in the national innovation environments - a new concept that combines the innovation system and the broader innovation context - for a group of Asian and European economies. Manufacturing is a major Legacy sector that presents a particular challenge because it is a critical stage in the innovation process. By increasingly offshoring production, the U.S. is losing important parts of its innovation capacity. "Innovate here, produce here," where the U.S. took all the gains of its strong innovation system at every stage, is being replaced by "innovate here, produce there," which threatens to lead to "produce there, innovate there." To bring innovation to Legacy sectors, authors William Bonvillian and Charles Weiss recommend that policymakers focus on all stages of innovation from research through implementation. They should fill institutional gaps in the innovation system and take measures to address structural obstacles to needed disruptive innovations. In the specific case of advanced manufacturing, the production ecosystem can be recreated to reverse "jobless innovation" and add manufacturing-led innovation to the U.S.'s still-strong, research-oriented innovation system. The SAGE Encyclopedia of World Poverty, Second Edition addresses the persistence of poverty across the globe while updating and expanding the landmark first edition, originally published in 2006 prior to the economic calamities of 2008. For instance, while continued high rates of income inequality might be unsurprising in developing countries such as Mexico, the Organization of Economic Co-operation and Development (OECD) reported in May 2013 even countries with historically low levels of income inequality have experienced significant increases over the past decade, including Denmark, Sweden, and Germany. The UN and the World Bank also emphasize the persistent nature of the problem. It is not all bad news. In March 2013, the Guardian newspaper reported, "Some of the poorest people in the world are becoming significantly less poor, according to a groundbreaking academic study which has taken a new approach to measuring deprivation. The report, by Oxford University's poverty and human development initiative, predicts that countries among the most impoverished in the world could see acute poverty eradicated within 20 years if they continue at present rates." On the other hand, the UN says environmental threats from climate change could push billions more into extreme poverty in coming decades. All of these points lead to the need for a revised, updated, and expanded edition of the*



*Encyclopedia of World Poverty, Second Edition. This book explores three central concepts, namely justice and human rights, ethics and values, and intercultural learning. These are important to everyone in a multicultural society and of special interest to students and scholars of philosophy, cultural studies, religious studies, and other related disciplines. In this volume, a pluralistic approach is adopted to examine ethical and value questions. Accordingly, readers will learn much from the interaction between Western and Eastern methods of ethical inquiry. The impetus for this collection of essays is the notion that cultural diversity represents a source of exchange, innovation and creativity. Consequently, cultural diversity is as critical for humankind as biodiversity is for nature. Furthermore, cultural diversity is a property of the entire community, just as biodiversity is a property of the entire ecosystem. Therefore, understanding and learning from cultural pluralism is as central to social and cultural stewardship as protection and restoration are to biological diversity. Within the pages of Perspectives on Culture, Values, and Justice readers will experience a growth in perspective and a greater understanding of issues of culture, value, and justice. A major starting point for these contemplations is that culture and values are integral to our identity and the essence of who we are and what we do. In the foreword to this volume of conference proceedings for IFIP Working Group 8.4, it is appropriate to review the wider organization to which the Working Group belongs. The International Federation of Information Processing (IFIP) is a non-governmental, non-profit umbrella organization for national societies working in the field of information processing that was established in 1960 under the auspices of UNESCO. IFIP's mission is to be the leading, truly international, apolitical organization which encourages and assists in the development, exploitation and application of Information Technology for the benefit of all people. At the heart of IFIP lie its Technical Committees that, between them, count on the active participation of some two thousand people world-wide. These Groups work in a variety of ways to share experience and to develop their specialised knowledge. Technical Committees include: TC 1: Foundations of Computer Science; TC 2: Software: Theory and Practice; TC 3: Education; TC 6: Communication Systems; TC 7: System Modelling and Optimization; TC 9: Relationship between Computers and Society; TC 11: Security and Protection in Information Processing Systems; TC 12: Artificial Intelligence and TC 13: Human-Computer Interaction. The IFIP website [www.ifip.org](http://www.ifip.org) has further details. Technical Committee 8 (TC8) is concerned with Information Systems in organisations. Within TC8 there are different Working Groups focusing on particular aspects of Information Systems. As businesses are continuously developing new services, procedures, and standards, electronic business has emerged into an important aspect of the science field by providing various applications through efficiently and rapidly processing information among business partners. Research and Development in E-Business through Service-Oriented Solutions highlights the main concepts of e-business as well as the advanced methods, technologies, and aspects that focus on technical support. This book is an essential reference source of professors, students, researchers, developers, and other industry experts in order to provide a vast amount of specialized knowledge sources for promoting e-business. Edible algae, including seaweeds, are a source of functional food, dietary supplements, metabolites and bioactive compounds. Algal-based functional foods have potential health benefits, and their commercial value depends on their applications in the food and nutraceutical industries. This book covers several aspects of algal based functional foods. It informs the reader about algal cultivation techniques, environmental impact, habitat, nutraceutical potential, extraction of bioactive metabolites, functional-food composition, bio-prospection, culture-induced nutraceutical compounds, algae-based bio-packaging, algal-biorefinery, toxicity, trends and future prospects. The editors present the topics in a research-oriented format while citing scholarly references. This book is a comprehensive resource for anyone interested in the nutritional benefits and industrial utilization of algae as a sustainable food source. This book is a compilation of important contributions from noted scholars, articles derived from JAMPROs Jamaica Investment Forum 2015 written by members of the UWI Mona, WJC faculty as well as significant presentations from the policy makers who form the government of Jamaica. Importantly, this work focuses on examining the centrality of policies coupled with innovation in the transformation of Jamaica as the place to live, raise families and do business as espoused by the Vision 2030 national development plan. This joint work highlights the fundamental role that JAMPRO as the key agency for promoting Foreign Direct Investment in Jamaica plays in the thrust for economic growth and development. Importantly, we highlight some key contributors to the progress we have made in Jamaica through cases of home-grown multinationals such as the Grace Kennedy and Company Limited, LASCO, Kingston Wharves Limited, Sandals (ATL Group), while further noting areas that, with continued thrust and the right policies can fast-track our transformation. The key areas identified are*

**Logistics, Agriculture, ICT/BPO (outsourcing) and Manufacturing. This book provides a valuable contribution to the literature on economic transformation, examining the history, current and new paradigms for the future in order to fast-track the economic transformation of Jamaica.**

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