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The Muslim Heritage of Bengal Muhammad Mojlum Khan 2013-05-15 "The Muslim Heritage of Bengal is a multidimensional work. . . . I am sure this book will add to the vista of knowledge in the field of Muslim history and heritage of Bengal. I recommend this work."--A. K. M. Yaqub Ali, PhD, professor emeritus, Islamic history and culture, University of Rajshahi "Khan's book provides invaluable information which will inspire present and future generations."--M. Abdul Jabbar Beg, PhD, former professor of Islamic history and civilization, National University of Malaysia A popular history that covers eight hundred years of the history of Islam in Bengal through the example of forty-two inspirational men and women up until the twentieth century. Written by the author of the best-selling The Muslim 100. Included are the prominent figures Shah Jalal, Nawab Abdul Latif, Rt. Hon. Syed Ameer Ali, Sir Salimullah Khan Bahadur, and Begum Rokeya. Muhammad Mojlum Khan was born in 1973 in Habiganj, Bangladesh, and was educated in England. He is a teacher, author, literary critic, and research scholar, and has published more than 150 essays and articles worldwide. He is the author of The Muslim 100 (2008). He is a fellow of the Royal Asiatic Society of Great Britain and director of the Bengal Muslim Research Institute, United Kindgom. He lives in England with his family.

Biogenic Nano-Particles and their Use in Agro-ecosystems Mansour Ghorbanpour 2020-03-20 Several nano-scale devices have emerged that are capable of analysing plant diseases, nutrient deficiencies and any other ailments that may affect food security in agro-ecosystems. It has been envisioned that smart delivery systems can be developed and utilised for better management of agricultural ecosystems. These systems could exhibit beneficial, multi-functional characteristics, which could be used to assess and also control habitat-imposed stresses to crops. Nanoparticle-mediated smart delivery systems can control the delivery of nutrients or bioactive and/or pesticide molecules in plants. It has been suggested that nano-particles in plants might help determine their nutrient status and could also be used as cures in agro-ecosystems. Further, to enhance soil and crop productivity, nanotechnology has been used to create and deliver nano fertilizers, which can be defined as nano-particles that directly help supply nutrients for plant growth and soil productivity. Nano-particles can be absorbed onto clay networks, leading to improved soil health and more efficient nutrient use by crops. Additionally, fertilizer particles can be coated with nano-particles that facilitate slow and steady release of nutrients, reducing loss of nutrients and enhancing their

efficiency in agri-crops. Although the use of nanotechnology in agro-ecosystems is still in its early stages and needs to be developed further, nano-particle-mediated delivery systems are promising solutions for the successful management of agri-ecosystems. In this context, the book offers insights into nanotechnology in agro-ecosystems with reference to biogenic nanoparticles. It highlights the:

- occurrence and diversity of Biogenic Nanoparticles
- mechanistic approach involved in the synthesis of biogenic nanoparticles
- synthesis of nanoparticles using photo-activation, and their fate in the soil ecosystem
- potential applications of nanoparticles in agricultural systems
- application and biogenic synthesis of gold nanoparticles and their characterization
- impact of biogenic nanoparticles on biotic stress to plants
- mechanistic approaches involved in the antimicrobial effects and cytotoxicity of biogenic nanoparticles
- role of biogenic nanoparticles in plant diseases management
- relevance of biological synthesized nanoparticles in the longevity of agricultural crops
- design and synthesis of nano-biosensors for monitoring pollutants in water, soil and plant systems
- applications of nanotechnology in agriculture with special refer to soil, water and plant sciences

A useful resource for postgraduate and research students in the field of plant and agricultural sciences, it is also of interest to researchers working in nano and biotechnology.

Bangladesh Health System Review Who Regional Office for the Western Paci
2015-09-02 The Health Systems in Transition (HiT) profiles are country-based reports that provide a detailed description of a health system and of reform and policy initiatives in progress or under development in a specific country. Each profile is produced by country experts in collaboration with an international editor. In order to facilitate comparisons between countries, the profiles are based on a common template used by the Asia Pacific and European Observatories on Health Systems and Policies. The template provides detailed guidelines and specific questions, definitions and examples needed to compile a profile.

Therapeutic Modalities Kenneth Knight 2012-02-15 Authored by two leading researchers in the athletic training field, the Second Edition of *Therapeutic Modalities: The Art and Science* provides the knowledge needed to evaluate and select the most appropriate modalities to treat injuries. The authors use an informal, student-friendly writing style to hold students' interest and help them grasp difficult concepts. The unique approach of the text teaches aspiring clinicians both the how and the why of therapeutic modality use, training them to be decision-making professionals rather than simply technicians. The Second Edition is revised and expanded to include the latest research in therapeutic modalities. New material has been added on evidence-based practice, and other areas, such as pain treatment, are significantly expanded. It retains the successful format of providing the necessary background information on the modalities, followed by the authors' "5-Step Application Procedure." New photos, illustrations, and case studies have also been added.

Advances in Communication Systems and Networks J. Jayakumari 2020-06-13 This book presents the selected peer-reviewed papers from the International Conference on Communication Systems and Networks (ComNet) 2019. Highlighting the latest findings, ideas, developments and applications in all areas of advanced communication systems and networking, it covers a variety of topics, including next-generation wireless technologies such as 5G, new hardware platforms, antenna design, applications of artificial intelligence (AI), signal processing and optimization techniques. Given its scope, this book can be

useful for beginners, researchers and professionals working in wireless communication and networks, and other allied fields.

Cardiovascular Molecular Imaging Robert J. Gropler 2007-07-23 Cardiovascular Molecular Imaging is based on a groundbreaking NIH symposium sponsored by the American Society of Nuclear Cardiology. The first all-inclusive guide to the targeted molecular imaging of the cardiovascular system, it includes color illustrations throughout and is packaged with a user-friendly CD-ROM with supplemental material. This refe

Reverse Shoulder Arthroplasty David M. Dines 2017-09-27 This masterful book from top experts provides clinical insights on reverse shoulder arthroplasty gleaned from hands-on refinement of shoulder replacement techniques. Years of significant biomechanical and clinical research yielded invaluable knowledge that led to important improvements in functional outcome and implant durability. Among these refinements were stronger polyethylene derivatives, better ingrowth technology, and improved connection devices. As the durability and longevity of implant technology increased, younger active patients became suitable candidates for this procedure. In fact, RSA has played a pivotal role in making shoulder arthroplasty the fastest growing implant technology. In the first two sections, the authors take the reader through the history and evolution of RSA, followed by step-by-step surgical techniques for specific injuries and conditions. The next three sections discuss past and recent outcomes, complications, and rehabilitation. The last section covers special considerations including patient specific instrumentation, convertible humeral and glenoid components, and the future potential of stemless humeral technology. Key Features The latest trends in patient-specific components, guide systems, and instrument design The use of RSA for rotator cuff repair, shoulder arthritis, and acute and complex fractures In-depth discussion of techniques to improve deltoid function, avoid impingement, and increase implant longevity Clinical pearls on how to recognize and handle complications that occur: instability, infection, scapular notching, component loosening, glenoid and humeral bone loss, and RSA failure High quality videos and 300 superb illustrations further delineate techniques This book is a practical resource that enables learning complex procedures, putting them into practice, and handling complications should they arise. It is an essential tool for all orthopaedic surgeons who treat shoulder conditions.

Data Driven Approach Towards Disruptive Technologies T P Singh 2021-04-06 This book is a compilation of peer-reviewed papers presented at the International Conference on Machine Intelligence and Data Science Applications, organized by the School of Computer Science, University of Petroleum & Energy Studies, Dehradun, India, during 4-5 September 2020. The book addresses the algorithmic aspect of machine intelligence which includes the framework and optimization of various states of algorithms. Variety of papers related to wide applications in various fields like data-driven industrial IoT, bioinformatics, network and security, autonomous computing and various other aligned areas. The book concludes with interdisciplinary applications like legal, health care, smart society, cyber-physical system and smart agriculture. All papers have been carefully reviewed. The book is of interest to computer science engineers, lecturers/researchers in machine intelligence discipline and engineering graduates.

Frontiers In Orthogonal Polynomials And Q-series Nashed M Zuhair 2018-01-12 This volume aims to highlight trends and important directions of research in

orthogonal polynomials, q-series, and related topics in number theory, combinatorics, approximation theory, mathematical physics, and computational and applied harmonic analysis. This collection is based on the invited lectures by well-known contributors from the International Conference on Orthogonal Polynomials and q-Series, that was held at the University of Central Florida in Orlando, on May 10–12, 2015. The conference was dedicated to Professor Mourad Ismail on his 70th birthday. The editors strived for a volume that would inspire young researchers and provide a wealth of information in an engaging format. Theoretical, combinatorial and computational/algorithmic aspects are considered, and each chapter contains many references on its topic, when appropriate. Contents: Mourad Ismail (Richard Askey) Binomial Andrews–Gordon–Bressoud Identities (Dennis Stanton) Symmetric Expansions of Very Well–Poised Basic Hypergeometric Series (George E Andrews) A Sturm–Liouville Theory for Hahn Difference Operator (M H Annaby, A E Hamza and S D Makhareh) Solvability of the Hankel Determinant Problem for Real Sequences (Andrew Bakan and Christian Berg) Convolution and Product Theorems for the Special Affine Fourier Transform (Ayush Bhandari and Ahmed I Zayed) A Further Look at Time–and–Band Limiting for Matrix Orthogonal Polynomials (M Castro, F A Grünbaum, I Pacharoni and I Zurrián) The Orthogonality of Al–Salam–Carlitz Polynomials for Complex Parameters (Howard S Cohl, Roberto S Costas–Santos and Wenqing Xu) Crouching AGM, Hidden Modularity (Shaun Cooper, Jesús Guillera, Armin Straub and Wadim Zudilin) Asymptotics of Orthogonal Polynomials and the Painlevé Transcendents (Dan Dai) From the Gaussian Circle Problem to Multivariate Shannon Sampling (Willi Freeden and M Zuhair Nashed) Weighted Partition Identities and Divisor Sums (F G Garvan) On the Ismail–Letessier–Askey Monotonicity Conjecture for Zeros of Ultraspherical Polynomials (Walter Gautschi) A Discrete Top–Down Markov Problem in Approximation Theory (Walter Gautschi) Supersymmetry of the Quantum Rotor (Vincent X Genest, Luc Vinet, Guo–Fu Yu and Alexei Zhedanov) The Method of Brackets in Experimental Mathematics (Ivan Gonzalez, Karen Kohl, Lin Jiu and Victor H Moll) Balanced Modular Parameterizations (Tim Huber, Danny Lara and Esteban Melendez) Some Smallest Parts Functions from Variations of Bailey's Lemma (Chris Jennings–Shaffer) Dual Addition Formulas Associated with Dual Product Formulas (Tom H Koorwinder) Holonomic Tools for Basic Hypergeometric Functions (Christoph Koutschan and Peter Paule) A Direct Evaluation of an Integral of Ismail and Valent (Alexey Kuznetsov) Algebraic Generating Functions for Gegenbauer Polynomials (Robert S Maier) q–Analogues of Two Product Formulas of Hypergeometric Functions by Bailey (Michael J Schlosser) Summation Formulae for Noncommutative Hypergeometric Series (Michael J Schlosser) Asymptotics of Generalized Hypergeometric Functions (Y Lin and R Wong) Mock Theta–Functions of the Third Order of Ramanujan in Terms of Appell–Lerch Series (Changgui Zhang) On Certain Positive Semidefinite Matrices of Special Functions (Ruiming Zhang) Readership: Graduate students and researchers interested in orthogonal polynomials and

Dental Anatomy and Occlusion Khalid Choudhary 2001

PAKISTAN OCCUPIED KASHMIR. SURINDER KUMAR. SHARMA 2019

Data Science and Analytics Usha Batra 2020–05–27 This two–volume set (CCIS 1229 and CCIS 1230) constitutes the refereed proceedings of the 5th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2019, held in Gurugram, India, in November 2019. The 74 revised full papers presented were carefully reviewed and selected from total 353 submissions. The papers are organized in topical sections on data centric

programming; next generation computing; social and web analytics; security in data science analytics; big data analytics.

Diseases of the Brain, Head and Neck, Spine 2020-2023 Juerg Hodler 2020-02-14 This open access book offers an essential overview of brain, head and neck, and spine imaging. Over the last few years, there have been considerable advances in this area, driven by both clinical and technological developments. Written by leading international experts and teachers, the chapters are disease-oriented and cover all relevant imaging modalities, with a focus on magnetic resonance imaging and computed tomography. The book also includes a synopsis of pediatric imaging. IDKD books are rewritten (not merely updated) every four years, which means they offer a comprehensive review of the state-of-the-art in imaging. The book is clearly structured and features learning objectives, abstracts, subheadings, tables and take-home points, supported by design elements to help readers navigate the text. It will particularly appeal to general radiologists, radiology residents, and interventional radiologists who want to update their diagnostic expertise, as well as clinicians from other specialties who are interested in imaging for their patient care.

Democracy and Authoritarianism in South Asia Ayesha Jalal 1995-04-06 A comparative and historical study of the interplay between democratic politics and authoritarian states in South Asia.

Proceedings of International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications Vinit Kumar Gunjan 2020-10-17 This book gathers selected research papers presented at the International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications (ICMISC 2020), held on 29-30 March 2020 at CMR Institute of Technology, Hyderabad, Telangana, India. Discussing current trends in machine learning, Internet of things, and smart cities applications, with a focus on multi-disciplinary research in the area of artificial intelligence and cyber-physical systems, this book is a valuable resource for scientists, research scholars and PG students wanting formulate their research ideas and find the future directions in these areas. Further, it serves as a reference work anyone wishing to understand the latest technologies used by practicing engineers around the globe.

Markov Decision Processes Martin L. Puterman 2014-08-28 The Wiley-Interscience Paperback Series consists of selected books that have been made more accessible to consumers in an effort to increase global appeal and general circulation. With these new unabridged softcover volumes, Wiley hopes to extend the lives of these works by making them available to future generations of statisticians, mathematicians, and scientists. "This text is unique in bringing together so many results hitherto found only in part in other texts and papers. . . . The text is fairly self-contained, inclusive of some basic mathematical results needed, and provides a rich diet of examples, applications, and exercises. The bibliographical material at the end of each chapter is excellent, not only from a historical perspective, but because it is valuable for researchers in acquiring a good perspective of the MDP research potential." -Zentralblatt fur Mathematik ". . . it is of great value to advanced-level students, researchers, and professional practitioners of this field to have now a complete volume (with more than 600 pages) devoted to this topic. . . . Markov Decision Processes: Discrete Stochastic Dynamic Programming represents an up-to-date, unified, and rigorous treatment of theoretical and computational aspects of discrete-time Markov decision processes." -Journal of the American Statistical

Association

The Use of Remote Sensing in Hydrology Frédéric Frappart 2018-06-01 This book is a printed edition of the Special Issue "The Use of Remote Sensing in Hydrology" that was published in Water

Government-Sponsored Health Insurance in India Gerard La Forgia 2012-09-14 This book presents the first comprehensive review of all major government-supported health insurance schemes in India and their potential for contributing to the achievement of universal coverage in India are discussed.

Dental Trauma Serpil Djemal 2021-04-30 This book offers clear, practical guidance on how to assess, diagnose and effectively manage traumatic dental injuries. Divided into 14 sections, with the first chapter providing an overview of first principles, each of the following sections covers a different type of injury. The book concludes with discussion on long-term consequences of dental trauma. Each chapter summarises how best to assess and manage the presenting problem, and includes advice on postoperative care and recommended follow-up. A clinical case example highlighting salient points is featured for each topic, and more than 400 clinical photographs and explanatory diagrams throughout the book further enhance learning. The book is authored by recognised consultant in restorative dentistry, Serpil Djemal, from King's College Hospital Dental Institute, London. Key points Practical guidance on assessment, diagnosis and management of traumatic dental injuries Each topic features a clinical case example highlighting salient points Includes more than 400 clinical photographs and explanatory diagrams Recognised author from King's College Hospital Dental Institute, London

Chromosome Structure and Aberrations Tariq Ahmad Bhat 2017-02-08 This book is a compilation of various chapters contributed by a group of leading researchers from different countries and covering up to date information based on published reports and personal experience of authors in the field of cytogenetics. Beginning with the introduction of chromosome, the subsequent chapters on organization of genetic material, karyotype evolution, structural and numerical variations in chromosomes, B-chromosomes and chromosomal aberrations provide an in-depth knowledge and easy understanding of the subject matter. A special feature of the book is the inclusion of a series of chapters on various types of chromosomal aberrations and their impact on breeding behaviour and crop improvement. The possible mechanism, their consequences and role in genetic analysis has been emphasized in these chapters. A few chapters have also been dedicated on various techniques routinely used in the laboratory by students and researchers. Each chapter ends with an extensive bibliography so that the students and researchers may find it relevant to consult more literature on the subject than a book of this size can offer. The book is intended to fulfill the needs of undergraduate and post graduate students of botany, zoology and agriculture besides, teachers and researchers engaged in the field of genetics, cytogenetics, and molecular genetics. In general the readers will find each chapter of the book informative and easy to understand.

Who They Was Gabriel Krauze 2021-06-29 Longlisted for the Booker Prize Named a Most Anticipated Book of Summer 2021 by Entertainment Weekly, Time, and CrimeReads Named a Best Book of 2021 by Time An astonishing, visceral autobiographical novel about a young man straddling two cultures: the university where he is studying English Literature and the disregarded world of London gang warfare. The unforgettable narrator of this compelling, thought-

provoking debut goes by two names in his two worlds. At the university he attends, he's Gabriel, a seemingly ordinary, partying student learning about morality at a distance. But in his life outside the classroom, he's Snoopz, a hard living member of London's gangs, well-acquainted with drugs, guns, stabbings, and robbery. Navigating these sides of himself, dealing with loving parents at the same time as treacherous, endangering friends and the looming threat of prison, he is forced to come to terms with who he really is and the life he's chosen for himself. In a distinct, lyrical urban slang all his own, author Gabriel Krauze brings to vivid life the underworld of his city and the destructive impact of toxic masculinity. *Who They Was* is a disturbing yet tender and perspective-altering account of the thrill of violence and the trauma it leaves behind. It is the story of inner cities everywhere, and of the lost boys who must find themselves in their tower blocks.

Poverty and Shared Prosperity 2016 World Bank Group 2016-10-12 Poverty and Shared Prosperity 2016 is the first of an annual flagship report that will inform a global audience comprising development practitioners, policy makers, researchers, advocates, and citizens in general with the latest and most accurate estimates on trends in global poverty and shared prosperity. This edition will also document trends in inequality and identify recent country experiences that have been successful in reducing inequalities, provide key lessons from those experiences, and synthesize the rigorous evidence on public policies that can shift inequality in a way that bolsters poverty reduction and shared prosperity in a sustainable manner. Specifically, the report will address the following questions: • What is the latest evidence on the levels and evolution of extreme poverty and shared prosperity? • Which countries and regions have been more successful in terms of progress toward the twin goals and which are lagging behind? • What does the global context of lower economic growth mean for achieving the twin goals? • How can inequality reduction contribute to achieving the twin goals? • What does the evidence show concerning global and between- and within-country inequality trends? • Which interventions and countries have used the most innovative approaches to achieving the twin goals through reductions in inequality? The report will make four main contributions. First, it will present the most recent numbers on poverty, shared prosperity, and inequality. Second, it will stress the importance of inequality reduction in ending poverty and boosting shared prosperity by 2030 in a context of weaker growth. Third, it will highlight the diversity of within-country inequality reduction experiences and will synthesize experiences of successful countries and policies, addressing the roots of inequality without compromising economic growth. In doing so, the report will shatter some myths and sharpen our knowledge of what works in reducing inequalities. Finally, it will also advocate for the need to expand and improve data collection—for example, data availability, comparability, and quality—and rigorous evidence on inequality impacts in order to deliver high-quality poverty and shared prosperity monitoring.

Gender Justice, Education and Equality Firdevs Melis Cin 2017-01-23 This book reframes gender and education issues from a feminist and capabilities perspective through a multi-generational study of women as teachers. It explores how different understandings of gender, equality and education generate a variety of approaches with which to pursue gender equality in education. Through employing the capabilities approach in a critical and innovative way to question justice, agency and well-being and also to evaluate valued functionings and capabilities, freedoms and lack of opportunities in women's lives in Turkey it highlights the need for constructing a gender-just

society. The book takes a closer look at these women's memories, in order to understand how gender roles were created, negotiated and contested, and how the transition to modern ways of socialising and existing was shaped and women's emancipation was guided by women teachers as social actors, rather than as passive onlookers or oppressed individuals. It provides important insights and critical evidence to be used in the planning and implementation of education and social/gender policies.

WHO Guidelines on Hand Hygiene in Health Care World Health Organization 2009
The WHO Guidelines on Hand Hygiene in Health Care provide health-care workers (HCWs), hospital administrators and health authorities with a thorough review of evidence on hand hygiene in health care and specific recommendations to improve practices and reduce transmission of pathogenic microorganisms to patients and HCWs. The present Guidelines are intended to be implemented in any situation in which health care is delivered either to a patient or to a specific group in a population. Therefore, this concept applies to all settings where health care is permanently or occasionally performed, such as home care by birth attendants. Definitions of health-care settings are proposed in Appendix 1. These Guidelines and the associated WHO Multimodal Hand Hygiene Improvement Strategy and an Implementation Toolkit (<http://www.who.int/gpsc/en/>) are designed to offer health-care facilities in Member States a conceptual framework and practical tools for the application of recommendations in practice at the bedside. While ensuring consistency with the Guidelines recommendations, individual adaptation according to local regulations, settings, needs, and resources is desirable. This extensive review includes in one document sufficient technical information to support training materials and help plan implementation strategies. The document comprises six parts.

Year Book of the Academy Academy of Political Science (U.S.) 1912

Proceedings of First International Conference on Computing, Communications, and Cyber-Security (IC4S 2019) Pradeep Kumar Singh 2020-04-27 This book features selected research papers presented at the First International Conference on Computing, Communications, and Cyber-Security (IC4S 2019), organized by Northwest Group of Institutions, Punjab, India, Southern Federal University, Russia, and IAC Educational Trust, India along with KEC, Ghaziabad and ITS, College Ghaziabad as an academic partner and held on 12-13 October 2019. It includes innovative work from researchers, leading innovators and professionals in the area of communication and network technologies, advanced computing technologies, data analytics and intelligent learning, the latest electrical and electronics trends, and security and privacy issues.

World Development Report 2018 World Bank Group 2017-10-16 Every year, the World Bank's World Development Report (WDR) features a topic of central importance to global development. The 2018 WDR—LEARNING to Realize Education's Promise—is the first ever devoted entirely to education. And the time is right: education has long been critical to human welfare, but it is even more so in a time of rapid economic and social change. The best way to equip children and youth for the future is to make their learning the center of all efforts to promote education. The 2018 WDR explores four main themes: First, education's promise: education is a powerful instrument for eradicating poverty and promoting shared prosperity, but fulfilling its potential requires better policies—both within and outside the education system. Second, the need to shine a light on learning: despite gains in access to education, recent learning assessments

reveal that many young people around the world, especially those who are poor or marginalized, are leaving school unequipped with even the foundational skills they need for life. At the same time, internationally comparable learning assessments show that skills in many middle-income countries lag far behind what those countries aspire to. And too often these shortcomings are hidden—so as a first step to tackling this learning crisis, it is essential to shine a light on it by assessing student learning better. Third, how to make schools work for all learners: research on areas such as brain science, pedagogical innovations, and school management has identified interventions that promote learning by ensuring that learners are prepared, teachers are both skilled and motivated, and other inputs support the teacher-learner relationship. Fourth, how to make systems work for learning: achieving learning throughout an education system requires more than just scaling up effective interventions. Countries must also overcome technical and political barriers by deploying salient metrics for mobilizing actors and tracking progress, building coalitions for learning, and taking an adaptive approach to reform.

The Struggle for Pakistan Ayesha Jalal 2014-09-16 In a probing biography of her native land, Ayesha Jalal provides a unique insider's assessment of how the nuclear-armed Muslim nation of Pakistan evolved into a country besieged by military domination and militant religious extremism, and explains why its dilemmas weigh so heavily on prospects for peace in the region.

Intelligent Communication, Control and Devices Rajesh Singh 2018-05-21 The book focuses on the integration of intelligent communication systems, control systems, and devices related to all aspects of engineering and sciences. It contains high-quality research papers presented at the 2nd international conference, ICICCD 2017, organized by the Department of Electronics, Instrumentation and Control Engineering of University of Petroleum and Energy Studies, Dehradun on 15 and 16 April, 2017. The volume broadly covers recent advances of intelligent communication, intelligent control and intelligent devices. The work presented in this book is original research work, findings and practical development experiences of researchers, academicians, scientists and industrial practitioners.

Maternal-Child Health Groß, Uwe 2013-11-05 Maternal-Child Health is one of the greatest challenges the world has to cope with today. Every year, thousands of women, newborns and children die unnecessarily, particularly in resource-poor settings. There is a great disparity caused by food insecurity and hunger, environmental health risks, sanitation challenges, cultural barriers and non-accessibility to diagnosis and treatment. "Maternal-Child Health: Interdisciplinary Aspects within the Perspective of Global Health" addresses these issues. The contributions of this book are based on the ONE HEALTH concept by focusing on infectious and non-communicable diseases and to present interdisciplinary views from more than 60 authors who come from 14 countries. The aim is to shape our understanding on Maternal-Child Health Solutions by looking at > agricultural and environmental > economic, social and theological > biomedical and nutritional > clinical human and veterinary as well as > epidemiology and > public health expertise. The Göttingen International Health Network is corresponding to a variety of different geographic regions and programs to improve global health perspective and health of the most vulnerable: mothers and their children.

Social Transformation - Digital Way Jyotsna Kumar Mandal 2018-08-23 This book constitutes the refereed proceedings of the 52nd Annual Convention of the

Computer Society of India, CSI 2017, held in Kolkata, India, in January 2018. The 59 revised papers presented were carefully reviewed and selected from 157 submissions. The theme of CSI 2017, Social Transformation - Digital Way, was selected to highlight the importance of technology for both central and state governments at their respective levels to achieve doorstep connectivity with its citizens. The papers are organized in the following topical sections: Signal processing, microwave and communication engineering; circuits and systems; data science and data analytics; bio computing; social computing; mobile, nano, quantum computing; data mining; security and forensics; digital image processing; and computational intelligence.

One-Dimensional Nanostructures Zhiming M Wang 2008-07-20 One-dimensional (1D) nanostructures, including nanowires, nanotubes and quantum wires, have been regarded as the most promising building blocks for nanoscale electronic and optoelectronic devices. This book presents exciting, state-of-the-art developments in synthesis and properties of 1D nanostructures with many kinds of morphologies and compositions as well as their considerable impact on spintronics, information storage, and the design of field-effect transistors.

Home Blood Pressure Monitoring George S. Stergiou 2019-10-31 Hypertension remains a leading cause of disability and death worldwide. Self-monitoring of blood pressure by patients at home is currently recommended as a valuable tool for the diagnosis and management of hypertension. Unfortunately, in clinical practice, home blood pressure monitoring is often inadequately implemented, mostly due to the use of inaccurate devices and inappropriate methodologies. Thus, the potential of the method to improve the management of hypertension and cardiovascular disease prevention has not yet been exhausted. This volume presents the available evidence on home blood pressure monitoring, discusses its strengths and limitations, and presents strategies for its optimal implementation in clinical practice. Written by distinguished international experts, it offers a complete source of information and guide for practitioners and researchers dealing with the management of hypertension.

Techno-Societal 2020 Prashant M. Pawar 2021-05-19 This book, divided in two volumes, originates from Techno-Societal 2020: the 3rd International Conference on Advanced Technologies for Societal Applications, Maharashtra, India, that brings together faculty members of various engineering colleges to solve Indian regional relevant problems under the guidance of eminent researchers from various reputed organizations. The focus of this volume is on technologies that help develop and improve society, in particular on issues such as sensor and ICT based technologies for the betterment of people, Technologies for agriculture and healthcare, micro and nano technological applications. This conference aims to help innovators to share their best practices or products developed to solve specific local problems which in turn may help the other researchers to take inspiration to solve problems in their region. On the other hand, technologies proposed by expert researchers may find applications in different regions. This offers a multidisciplinary platform for researchers from a broad range of disciplines of Science, Engineering and Technology for reporting innovations at different levels.

Vascular Anesthesia Joel A. Kaplan 2004 This comprehensive text delivers cutting-edge scientific knowledge and expert clinical guidance on anesthesia for the vascular surgical patient or the patient with cardiac disease undergoing major noncardiac surgery. It covers cardiovascular anatomy, physiology, and pharmacology; preoperative assessment and management, specific

perioperative considerations, and postoperative management. This 2nd Edition features eight completely rewritten chapters and six new chapters. Extensive updates throughout reflect all the new procedures, drugs, techniques, and monitoring modalities that have emerged over the last decade. Delivers cutting-edge scientific knowledge that serves as a basis for clinical practice. Provides comprehensive coverage of anesthesia, including cardiovascular anatomy, physiology, and pharmacology preoperative assessment and management specific perioperative considerations and postoperative management. Integrates recent developments from the fields of anesthesiology, cardiology, cardiovascular pharmacology, vascular surgery, and critical care medicine to present a complete clinical picture Offers fresh perspectives from many new contributors who are leaders in their fields. Explores all the new procedures, drugs, techniques, and monitoring modalities that have emerged over the last decade. Devotes more coverage to regional anesthesia or combined regional and general anesthesia for modification of stress responses, improved pain control, better wound healing, and control of inflammatory/immunomodulatory changes associated with surgery. Places increased emphasis on the physiology, diseases, and surgery of the peripheral vasculature throughout, including a new chapter on The Peripheral Circulation in Patients with Vascular Disease (Chapter 1). Includes a new chapter on Imaging of the Vasculature (Chapter 2), that is completely up to date and easy to read. Covers anesthesia and perioperative care for all of the latest procedures, including new information on minimally invasive techniques and new chapters on Interventional Vascular Radiologic Procedures (Chapter 4) and Choice of Invasive vs. Noninvasive Surgery (Chapter 7). Features expanded material on postoperative care, especially on new techniques for pain management, and includes new chapters on Respiratory Complications and Management (Chapter 18) and Ethical Decisions/End of Life Care in Patients with Vascular Disease (Chapter 20). With 20 additional contributors.

Investing in Ourselves 2002 The book provides NGOs and fund raising practitioners with an in-depth knowledge of the individual gift giving market, and fund raising principles and strategies employed in seven Asian countries: Bangladesh, India, Indonesia, Nepal, Pakistan, the Philippines and Thailand. It provides a regional overview of fund raising experiences, and presents the findings of a comparative survey of philanthropic giving.

Data Collection and Analysis Roger Sapsford 2006-03-29 In simple and non-technical terms, this text illustrates a wide range of techniques and approaches used in social research projects.

Indian National Congress and the Struggle for Freedom, 1885-1947 Amal Tripathi 2014-03-03 This volume presents an analytical history of India's struggle for freedom and the role played in it by the Indian National Congress. It provides a comprehensive account of the Independence movement, encompassing events such as the extremist-moderate split in the Congress, Morley-Minto reforms, Round Table Conferences, the Quit India Movement; and the Partition. Drawing on statistical analysis and exhaustive research, it examines the impact of prevailing domestic and international economic conditions on the evolution of the politics of the Congress, the Muslim League, as well as the Indian revolutionary, socialist, and communist parties. The book also throws light on the complex interplay of power politics between the Centre, the States, and the various grass-roots organizations on one hand and the push and pull of Hindu-Muslim communal politics on the other. This is the first English translation of the Bengali classic Swadhinata Sangrame Bharatiya Jatiya Congress: 1885-1947

(first published in 1990) by the late Professor Amales Tripathi, an eminent scholar and a renowned historian. This translation also carries a foreword by Dr Rudrangshu Mukherjee.

Therapeutic Nuclear Medicine Richard P. Baum 2014-08-16 The recent revolution in molecular biology offers exciting new opportunities for targeted radionuclide therapy. This up-to-date, comprehensive book, written by world-renowned experts, discusses the basic principles of radionuclide therapy, explores in detail the available treatments, explains the regulatory requirements, and examines likely future developments. The full range of clinical applications is considered, including thyroid cancer, hematological malignancies, brain tumors, liver cancer, bone and joint disease, and neuroendocrine tumors. The combination of theoretical background and practical information will provide the reader with all the knowledge required to administer radionuclide therapy safely and effectively in the individual patient. Careful attention is also paid to the role of the therapeutic nuclear physician in coordinating a diverse multidisciplinary team, which is central to the safe provision of treatment.

Earth Observation for Water Resources Management Luis García 2016-04-14 Water systems are building blocks for poverty alleviation, shared growth, sustainable development, and green growth strategies. They require data from in-situ observation networks. Budgetary and other constraints have taken a toll on their operation and there are many regions in the world where the data are scarce or unreliable. Increasingly, remote sensing satellite-based earth observation is becoming an alternative. This book briefly describes some key global water challenges, perspectives for remote sensing approaches, and their importance for water resources-related activities. It describes eight key types of water resources management variables, a list of sensors that can produce such information, and a description of existing data products with examples. *Earth Observation for Water Resources Management* provides a series of practical guidelines that can be used by project leaders to decide whether remote sensing may be useful for the problem at hand and suitable data sources to consider if so. The book concludes with a review of the literature on reliability statistics of remote-sensed estimations.