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Waste Management in MENA Regions

Abdelazim M Negm 2019-07-05 The book presents the state-of-the-art document describing the knowledge, data, cost-effectiveness and technologies employed to manage the waste in several countries such as Morocco, Tunisia, Egypt, Jordan, Syria, Palestine, Lebanon, and Yemen. It covers diverse topics including the status of the waste in the region, solid waste management, solid waste recovery and disposal, the use of the agricultural waste in feeding poultry, sludge disposal and management, wastewater treatment and energy production. Also, the book explains how waste

management systems are becoming more complex in many countries with the move from landfill-based to resource recovery-based solutions following the setting of international and national targets to divert waste from landfill and to increase recycling and recovery rates. Besides, this book also evaluates the environmental legislation in the selected countries and suggests new performance enhancements. This book is of interest to environmental professionals including scientists and policymakers in the Middle East, North Africa, and areas with similar features.

Handbook of Banana Production, Postharvest Science, Processing

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Technology, and Nutrition Muhammad Siddiq
 2020-09-15 A comprehensive guide that covers the banana's full value chain – from production to consumption. The banana is the world's fourth major fruit crop. Offering a unique and in-depth overview of the fruit's entire value chain, this important new handbook charts its progression from production through to harvest, postharvest, processing, and consumption. The most up-to-date data and best practices are drawn together to present guidelines on innovative storage, processing, and packaging technologies, while fresh approaches to quality management and the value-added utilization of banana byproducts are also explained. Additionally, the book examines the banana's physiology, nutritional significance, and potential diseases and pests. The book also Edited by noted experts in the field of food science, this essential text: Provides a new examination of the world's fourth major fruit crop Covers the fruit's entire value chain Offers dedicated chapters on bioactive and phytochemical compounds found in bananas and the potential of processing byproducts Gives insight into bananas' antioxidant content and other nutritional properties Identifies and explains present and possible effects of bioactive and phytochemical compounds Handbook of Banana Production, Postharvest Science, Processing Technology, and Nutrition offers the most far-reaching overview of the banana currently available. It will be of great benefit to food industry professionals specializing in fruit processing, packaging, and manufacturing banana-based products. The book is also an excellent resource for those studying or researching food technology, food science, food engineering, food packaging, applied nutrition, biotechnology, and more.

The Caspian Sea Encyclopedia Igor S. Zonn
 2010-05-26 "The Caspian Sea Encyclopedia" is the second one in the new series of encyclo-dias about the seas of the former Soviet Union published by Springer-Verlag. The first volume – "The Aral Sea Encyclopedia" was published by Springer in 2009. The series will be continued by "The Black Sea Encyclopedia" in 2010. Today the Caspian Sea is known to readers thanks to its oil and gas resources, sturgeon and caviar, significant sea-level variations, socio-economic and political problems. The Caspian Sea is

Asia (http://eurodialogue.org/?les/fckeditor_?les/Caspian-s-map2.png)
 viii Introduction For more than 250 years the Caspian Sea was shared by two states: Russia (the Soviet Union) and Persia (Iran). After the disintegration of the USSR in 1992, the new independent states of Azerbaijan, Turkmenistan and Kazakhstan have radically changed the political and economic situation in the region. In addition to Russia and Iran, who had determined the situation on the Caspian for a long period, Azerbaijan, Turkmenistan and Kazakhstan are now interested parties, beginning a new stage in the historical development of the Caspian region. This increase in the number of the Caspian legal entities from two to five has given rise to a whole tangle of geopolitical, economic, international legal, ethnic and environmental problems, each of which demands its own approach and settlement mechanism.

The State of World Fisheries and Aquaculture 2020 FAO 2020-06-01 The 2020 edition of The State of World Fisheries and Aquaculture has a particular focus on sustainability. This reflects a number of specific considerations. First, 2020 marks the twenty-fifth anniversary of the Code of Conduct for Responsible Fisheries (the Code). Second, several Sustainable Development Goal indicators mature in 2020. Third, FAO hosted the International Symposium on Fisheries Sustainability in late 2019, and fourth, 2020 sees the finalization of specific FAO guidelines on sustainable aquaculture growth, and on social sustainability along value chains. While Part 1 retains the format of previous editions, the structure of the rest of the publication has been revised. Part 2 opens with a special section marking the twenty fifth anniversary of the Code. It also focuses on issues coming to the fore, in particular, those related to Sustainable Development Goal 14 and its indicators for which FAO is the "custodian" agency. In addition, Part 2 covers various aspects of fisheries and aquaculture sustainability. The topics discussed range widely, from data and information systems to ocean pollution, product legality, user rights and climate change adaptation. Part 3 now forms the final part of the publication, covering projections and emerging issues such as new technologies and aquaculture biosecurity. It concludes by outlining steps towards a new

vision for capture fisheries. The State of World Fisheries and Aquaculture aims to provide objective, reliable and up-to-date information to a wide audience – policymakers, managers, scientists, stakeholders and indeed everyone interested in the fisheries and aquaculture sector.

Territorial tools for agro-industry development
Food and Agriculture Organization of the United Nations 2018-08-09 This sourcebook appraises these instruments and considers their nature and objectives, their potential benefits and challenges and the approaches used to implement them. It also examines the practices that have led to both successful and unsuccessful outcomes. The publication provides a comprehensive review of the potential of these tools to enhance value addition, deliver jobs, increase exports and provide markets for new and existing producers in the targeted territories. It notes, however, that implementation of these tools poses a number of challenges. For example, planners and practitioners sometimes use them interchangeably, thus ignoring the specificities of the investments, policies and processes required, and their expected outcomes. The sourcebook concludes that these tools have potential for catalytic impact, but planners need to make sound choices that respect demonstrated principles and follow good practices for effective design and implementation.

Degradation of Implant Materials Noam Eliaz 2012-08-21 This book reviews the current understanding of the mechanical, chemical and biological processes that are responsible for the degradation of a variety of implant materials. All 18 chapters will be written by internationally renowned experts to address both fundamental and practical aspects of research into the field. Different failure mechanisms such as corrosion, fatigue, and wear will be reviewed, together with experimental techniques for monitoring them, either in vitro or in vivo. Procedures for implant retrieval and analysis will be presented. A variety of biomaterials (stainless steels, titanium and its alloys, nitinol, magnesium alloys, polyethylene, biodegradable polymers, silicone gel, hydrogels, calcium phosphates) and medical devices (orthopedic and dental implants, stents, heart valves, breast implants) will be analyzed in detail. The book will serve as a broad reference

source for graduate students and researchers studying biomedicine, corrosion, surface science, and electrochemistry.

Rubber to Rubber Adhesion Dinesh Kumar Kotnees 2021-08-24 RUBBER TO RUBBER ADHESION Readers will get helpful ideas and in-depth knowledge about various aspects of rubber to rubber adhesion with particular reference to theory and practice. This book covers various aspects of rubber to rubber adhesion which is important theoretically, as well as having practical implications. Rubber is a polymer whose glass transition temperature is well below the room temperature and hence the chains are very mobile at room and higher temperatures, making the material very versatile. Rubber is used in a large number of applications ranging from underground mining to tire to space vehicles. In all these cases, compounded rubbers are used in laminates and joined. The higher the adhesion, the higher will be the joint strength. The principles taught in adhesion science and technology are extensively used to prepare better joints and more useful products. The book serves to satisfy a wide range of disciplines (polymers, materials, chemical, chemistry, mechanical, etc.) and starts with an introduction on rubber, then characterization of rubber, rubber surface and joints and, finally, other chapters on rubber to rubber adhesion. Scientific aspects to understand the technology are highlighted. It gives a comprehensive treatment on adhesion between unvulcanized elastomers, self-healing of elastomers, adhesion between compounded elastomers by co-crosslinking, adhesion between partially vulcanized compounded rubber and partially vulcanized compounded rubber, adhesion between vulcanized rubber and unvulcanized rubber- or partially vulcanized rubber, and adhesion between vulcanized rubber and vulcanized rubber. Audience The book will be used by academicians in polymer science, materials science, chemical and mechanical engineering, chemistry, R & D personnel, industry people, as well as rubber and adhesion practitioners.

Paediatric Intensive Care Peter Barry 2010-03-25 Paediatric Intensive Care gives practical and realistic advice for all those who care for critically ill children. Organised predominantly by system or speciality for easy

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reference, it also comprehensively covers the underlying principles that guide clinicians in every day practice.

Textbook of Autoinflammation Philip J. Hashkes 2019-02-13 This book, the first complete textbook on this novel field in Medicine, comprehensively covers the clinical presentation, pathogenesis, genetics, and latest management strategies for autoinflammatory disorders as well as the basic science of autoinflammation. Relevant concepts such as how translational science of genetics and immunology relates to the innate immune system and autoinflammation are covered. Descriptions of the monogenic and polygenic/complex diseases that fall under the umbrella of autoinflammatory diseases are provided. Further topics covered include the latest clinical and genetic diagnostic approaches, concepts on the relationship between autoinflammation and autoimmunity/immunodeficiency, the role of autoinflammation in cancer, treatments and management strategies for these diseases, and potential areas of future development. The Textbook of Autoinflammation systematically describes and reviews diagnostic and treatment options for autoinflammatory disorders as well as all aspects of the concept of autoinflammation, and represents a valuable resource for professionals in a variety of disciplines who encounter these patients or who study autoinflammation.

ASSESSMENT AND CONTROL OF BIOLOGICAL INVASION RISKS Fumito Koike 2006 Biological invasion, an issue of growing importance due to the significant increase in international transportation and trade, can disturb the balance of local ecosystems and even destroy them. This collection of papers presented at the International Conference on Assessment and Control of Biological Invasion Risks held in August 2004 at Yokohama National University discusses risk assessment, risk management and eradication. It also includes contributions reporting on the current status of invasion and the properties of alien species in East Asia.

Advanced Engineering Optimization Through Intelligent Techniques R. Venkata Rao 2019-07-09 This book comprises select peer-reviewed papers presented at the International

Optimization Through Intelligent Techniques (AEOTIT) 2018. The book combines contributions from academics and industry professionals, and covers advanced optimization techniques across all major engineering disciplines like mechanical, manufacturing, civil, automobile, electrical, chemical, computer and electronics engineering. Different optimization techniques and algorithms such as genetic algorithm (GA), differential evolution (DE), simulated annealing (SA), particle swarm optimization (PSO), artificial bee colony (ABC) algorithm, artificial immune algorithm (AIA), teaching-learning-based optimization (TLBO) algorithm and many other latest meta-heuristic techniques and their applications are discussed. This book will serve as a valuable reference for students, researchers and practitioners and help them in solving a wide range of optimization problems.

Proceedings of Integrated Intelligence Enable Networks and Computing Krishan Kant Singh Mer 2021-04-23 This book presents best selected research papers presented at the First International Conference on Integrated Intelligence Enable Networks and Computing (IINC 2020), held from May 25 to May 27, 2020, at the Institute of Technology, Gopeshwar, India (Government Institute of Uttarakhand Government and affiliated to Uttarakhand Technical University). The book includes papers in the field of intelligent computing. The book covers the areas of machine learning and robotics, signal processing and Internet of things, big data and renewable energy sources.

The Semantic Sphere 1 Pierre Lévy 2013-01-22 The new digital media offers us an unprecedented memory capacity, an ubiquitous communication channel and a growing computing power. How can we exploit this medium to augment our personal and social cognitive processes at the service of human development? Combining a deep knowledge of humanities and social sciences as well as a familiarity with computer science issues, this book explains the collaborative construction of a global hypercortex coordinated by a computable metalanguage. By recognizing fully the symbolic and social nature of human cognition, we could transform our current opaque global brain into a reflexive collective intelligence.

Pocket Oncology Alexander Drilon 2022-08-16

Pocket-sized and easy to use, Pocket Oncology, 3rd Edition, provides up-to-date information essential to caring for patients with cancer, from cancer biology, prevention, screening, treatment, and supportive care to new advances in all areas of the field for both adult and pediatric patients. Written and edited by leading cancer experts at Memorial Sloan Kettering Cancer Center, this unique, loose-leaf resource is designed for portability and quick reference, with information presented in a bulleted, outline format throughout.

Pediatric Neuropsychiatry Aaron J. Hauptman 2018-10-26 Adult neuropsychiatry is now a well-established field with numerous reputable references. Practitioners who work with children routinely note how references and practitioners knowledgeable in the equivalent work in the pediatric world are rare. Child psychiatrists and neurologists frequently work with individuals struggling with these conditions and would strongly benefit from such a reference that incorporates medical work-up, psychopharmacological recommendations, family/support recommendations and theoretical pathophysiology. Pediatricians and developmental pediatricians often treat children with behavioral and neuropsychiatric sequelae, but are not well-trained in the neuropsychiatric management of these cases. Neuropsychologists and educational psychologists working with children and adults with pediatric-onset conditions will also find the text helpful to contextualize their cases, better-understand the medical evaluation and management and perhaps adjust recommendations that would supplement their own testing methods. Finally, sub-specialists in adult neurology, psychiatry and neuropsychiatry often find themselves working with these children by default as there are few pediatric subspecialists who are available to accept them into practice. When facing complex neuropsychiatric illness in children, many clinicians are stymied because they may have "never seen a case like that". This text fills the wide gap that currently exists and helps move this field forward. The approach utilized in adult neuropsychiatry that is both clear and accessible does not yet have an equivalent in the pediatric realm, but there is tremendous interest in its development. Children and adolescents with

neuropsychiatric conditions are very common and they and their caregivers often struggle to find professionals well educated in this field. Ultimately, a wide range of clinicians will find this text to be a very helpful resource for diagnosis and management in the spectrum of pediatric neuropsychiatric conditions. The case-based approach is also unique with respect to neuropsychiatric approaches, and the clear cut, reader-friendly approach of such a format would likely be well-received among physicians looking for a resource on this issue.

Environmental Policy Thomas Walker 2020-09-08 "Global environmental challenges have caused a range of policy solutions, approaches, and models to emerge. As these challenges are expected to intensify in the near future, environmental policy and its instruments are increasingly becoming a topic of discussion, action, and disagreement in academic, professional, and mass media outlets. This fixation on the topic of policy is well-justified considering the consequences policy can have on all levels of society - global, national, sectoral, organizational, and even personal. Policy has a vital role in reducing environmental damage, incentivizing positive environmental behavior, and guiding practice toward a more sustainable future. While most policies have economic repercussions, environmental policies, and specifically new environmental policy instruments, have exhibited a special and complex relation to the economy. The environment can thus be considered an envelope encompassing and sustaining the economic system - much more than just a factor of production"--

The Potato Crop Hugo Campos 2019-12-03 This book is open access under a CC BY 4.0 license. This book provides a fresh, updated and science-based perspective on the current status and prospects of the diverse array of topics related to the potato, and was written by distinguished scientists with hands-on global experience in research aspects related to potato. The potato is the third most important global food crop in terms of consumption. Being the only vegetatively propagated species among the world's main five staple crops creates both issues and opportunities for the potato: on the one hand, this constrains the speed of its geographic

expansion and its options for international commercialization and distribution when compared with commodity crops such as maize, wheat or rice. On the other, it provides an effective insulation against speculation and unforeseen spikes in commodity prices, since the potato does not represent a good traded on global markets. These two factors highlight the underappreciated and underrated role of the potato as a dependable nutrition security crop, one that can mitigate turmoil in world food supply and demand and political instability in some developing countries. Increasingly, the global role of the potato has expanded from a profitable crop in developing countries to a crop providing income and nutrition security in developing ones. This book will appeal to academics and students of crop sciences, but also policy makers and other stakeholders involved in the potato and its contribution to humankind's food security.

Internet of Things and Big Data Technologies for Next Generation Healthcare Chintan Bhatt 2017-01-01 This comprehensive book focuses on better big-data security for healthcare organizations. Following an extensive introduction to the Internet of Things (IoT) in healthcare including challenging topics and scenarios, it offers an in-depth analysis of medical body area networks with the 5th generation of IoT communication technology along with its nanotechnology. It also describes a novel strategic framework and computationally intelligent model to measure possible security vulnerabilities in the context of e-health. Moreover, the book addresses healthcare systems that handle large volumes of data driven by patients' records and health/personal information, including big-data-based knowledge management systems to support clinical decisions. Several of the issues faced in storing/processing big data are presented along with the available tools, technologies and algorithms to deal with those problems as well as a case study in healthcare analytics. Addressing trust, privacy, and security issues as well as the IoT and big-data challenges, the book highlights the advances in the field to guide engineers developing different IoT devices and evaluating the performance of different IoT techniques.

Additionally, it explores the impact of such

technologies on public, private, community, and hybrid scenarios in healthcare. This book offers professionals, scientists and engineers the latest technologies, techniques, and strategies for IoT and big data.

Real World Drug Discovery Robert M. Rydzewski 2010-07-07 Drug discovery increasingly requires a common understanding by researchers of the many and diverse factors that go into the making of new medicines. The scientist entering the field will immediately face important issues for which his education may not have prepared him: project teams, patent law, consultants, target product profiles, industry trends, Gantt charts, target validation, pharmacokinetics, proteomics, phenotype assays, biomarkers, and many other unfamiliar topics for which a basic understanding must somehow be obtained. Even the more experienced scientist can find it frustratingly difficult to get an overview of the many factors involved in modern drug discovery and often only after years of exploring does a whole and integrated picture emerge in the mind of the researcher. *Real World Drug Discovery: A Chemist's Guide to Biotech and Pharmaceutical Research* presents this kind of map of the landscape of drug discovery. In a single, readable volume it outlines processes and explains essential concepts and terms for the recent science graduate wondering what to expect in pharma or biotech, the medicinal chemist seeking a broader and more timely understanding of the industry, or the contractor or collaborator whose understanding of the commercial drug discovery process could increase the value of his contribution to it. Interviews with well-known experts in many of the fields involved, giving insightful comments from authorities on many of the sub-disciplines important to cutting edge drug discovery. Helpful suggestions gleaned from years of experience in biotech and pharma, which represents a repository drug discovery "lore" not previously available in any book. "Periodic Table of Drugs" listing current top-selling drugs arranged by target and laid out so that structural similarities and differences are plain and clear. Extensive use of diagrams to illustrate concepts like biotech startup models, preteomic profiling for target identification, Gantt charts for project planning,

etc.

Educational Differences (RLE Edu L) Arthur Jensen 2012-05-16 Among particular issues discussed in this book are the problems of the cultural disadvantaged, the problems of devising psychological tests which are not biased towards any particular culture, the problems of minority groups of children in education and the relationship between heritability and teachability.

An Introduction to Counselling John McLeod 1998 This text is written in a clear, accessible style, covering all the core approaches to counselling. This second edition includes new chapters on systemic, feminist, narrative and multiculturalist approaches to counselling.

Diet for a Sustainable Ecosystem Benjamin E. Cuker 2020-08-10 This book explores a specific ecosystem in depth, in order to weave a story built on place and history. It incorporates the theme of a journey to help reveal the environment-human-health-food system-problem. While drawing on a historical approach stretching back to the American colonial era, it also incorporates more contemporary scientific findings. By crafting its story around a specific place, the book makes it easier for readers to relate to the content, and to subsequently use what they learn to better understand the role of food systems at the global scale.

Machine Learning and Big Data Analytics (Proceedings of International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2021) Rajiv Misra 2021-09-29 This edited volume on machine learning and big data analytics (Proceedings of ICMLBDA 2021) is intended to be used as a reference book for researchers and practitioners in the disciplines of computer science, electronics and telecommunication, information science, and electrical engineering.

Machine learning and Big data analytics represent a key ingredients in the industrial applications for new products and services. Big data analytics applies machine learning for predictions by examining large and varied data sets—i.e., big data—to uncover hidden patterns, unknown correlations, market trends, customer preferences, and other useful information that can help organizations make more informed business decisions.

Perfect Health Diet Paul Jaminet 2012-12-11

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satisfactory results from doctors, husband and wife scientists Paul and Shou-Ching Jaminet took an intensely personal interest in health and nutrition. They embarked on five years of rigorous research. What they found changed their lives— and the lives of thousands of their readers. In *Perfect Health Diet*, the Jaminets explain in layman's terms how anyone can regain health and lose weight by optimizing nutrition, detoxifying the diet, and supporting healthy immune function. They show how toxic, nutrient-poor diets sabotage health, and how on a healthy diet, diseases often spontaneously resolve. *Perfect Health Diet* tells you exactly how to optimize health and make weight loss effortless with a clear, balanced, and scientifically proven plan to change the way you eat—and feel—forever!

Department of Defense Dictionary of Military and Associated Terms 1973

Learning at the Crossroads of Theory and Practice Piet Van den Bossche 2012-03-19 Core concepts in education are changing. For example, professional performance or expertise is not uniquely the fruit of specialist knowledge acquired at professional schools, but the sum of influences exerted by a complex web of continuous learning opportunities for which an individual is well (or ill) prepared by their schools and their workplace. The key contributory factors to professional expertise are how professional schools connect to professional practice, how schools prepare graduates for continuous learning, and how the workplace endorses continuous development. Thus, the question this volume addresses—how to design learning and working environments that facilitate the integration of these three elements—is at the heart of contemporary pedagogical theory. The authors also ask a second vital question: how do we educate learners that go on to maximize their life's learning opportunities by regulating their own ongoing learning? *Learning at the Crossroads of Theory and Practice* argues that with the theory of learning at a crossroads, this is an unprecedented opportunity for learning about learning. The book sheds light on different elements of this challenge: integrating theory and practice in business education, generating and fully exploiting workplace learning opportunities, and enriching our classrooms by

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coupling theoretical knowledge with the richness of real-life experience.

The Report of the Hillsborough Independent Panel

Hillsborough Independent Panel
2012-09-12 96 women, men and children died as a result of the disaster in Hillsborough Stadium on 15 April 1989. They were crushed due to overcrowding in the Leppings Lane terrace, penned in by the ground's fencing. Hundreds more were injured and thousands traumatised. Lord Justice Taylor led a judicial inquiry (1990, Cm. 962, ISBN 9780101096225), concluding that the main cause of the disaster was the failure of police control. The next 11 years saw a variety of investigations and proceedings, including a scrutiny of new evidence (Lord Justice Stuart-Smith, 1998, Cm. 3878, ISBN 9780101387828). Yet many bereaved families felt that the true context, circumstances and aftermath had not been adequately made public, and were particularly aggrieved that it had become widely assumed that Liverpool fans' behaviour had contributed to the disaster. The Independent Panel was established in 2010 to oversee full public disclosure of all documents relating to the disaster and to report on its work. This report is in three parts. Firstly it shows what was already known and in the public domain by 2010. Secondly, in 12 detailed chapters, it describes what the disclosed documents add to public understanding. The third part gives a review of options for providing an archive of the documents. The disclosed documents (available at <http://panel.hillsborough.independent.gov.uk/>) add considerably to public understanding. They show that multiple factors were responsible for the tragedy and that the fans were not the cause. The report also shows that the bereaved families met a series of obstacles in their search for justice over more than 20 years.

Open Rajiv S. Jhangiani 2017-03-27 Affordable education. Transparent science. Accessible scholarship. These ideals are slowly becoming a reality thanks to the open education, open science, and open access movements. Running separate—if parallel—courses, they all share a philosophy of equity, progress, and justice. This book shares the stories, motives, insights, and practical tips from global leaders in the open movement.

Open Strategy Chris Van Staden 2023-04-04
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How smart companies are opening up strategic initiatives to involve front-line employees, experts, suppliers, customers, entrepreneurs, and even competitors. Why are some of the world's most successful companies able to stay ahead of disruption, adopting and implementing innovative strategies, while others struggle? It's not because they hire a new CEO or expensive consultants but rather because these pioneering companies have adopted a new way of strategizing. Instead of keeping strategic deliberations within the C-Suite, they open up strategic initiatives to a diverse group of stakeholders—front-line employees, experts, suppliers, customers, entrepreneurs, and even competitors. Open Strategy presents a new philosophy, key tools, step-by-step advice, and fascinating case studies—from companies that range from Barclays to Adidas—to guide business leaders in this groundbreaking approach to strategy. The authors—business-strategy experts from both academia and management consulting—introduce tools for each of the three stages of strategy-making: idea generation, plan formulation, and implementation. These are digital tools (including strategy contests), which allow the widest participation; hybrid digital/in-person tools (including a “nightmare competitor challenge”); a workshop tool that gamifies the business model development process; and tools that help companies implement and sustain open strategy efforts. Open strategy has an astonishing track record: a survey of 200 business leaders shows that although open-strategy techniques were deployed for only 30 percent of their initiatives, those same initiatives generated 50 percent of their revenues and profits. This book offers a roadmap for this kind of success.

Hypermobility of Joints Rodney Grahame
2013-03-14 Joint hypermobility, joint laxity or "double-jointedness" is no longer regarded as just a quaint clinical entity, but has gained recognition as a feature common to a heterogeneous group of generalized hereditary connective tissue disorders. This monograph examines the scientific basis, clinical features and treatment of this syndrome. The second edition has been thoroughly updated, with new contributions to cover in depth three areas in which new scientific advances have been made:
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biochemistry, genetics, and biomechanics. The case histories make fascinating reading, and the comprehensive coverage of the rarer hereditary disorders provides a valuable reference. From the reviews of the first edition: "This little book deals with a somewhat neglected subject and will prove useful in a number of ways." *British Journal of Plastic Surgery* #1 "This is a delightful book full of stimulating ideas, by three authors who have pooled their thoughts and the results of their studies." *Journal of the Royal Society of Medicine* #2

ICT Innovations 2009 Danco Davcev 2010-01-06
This book is the result of the first International Conference ICT Innovations 2009. The ICT Innovations conference is the primary scientific action of the Macedonian Society on Information and Communication Technologies (ICT-ACT). It promotes the publication of scientific results of the international community related to innovative fundamental and applied research in ICT. Today, ICT has enlarged its horizons and it is practiced under multidisciplinary contexts that introduce new challenges to theoretical and technical approaches. The ICT Innovations 2009 conference gathered academics, professionals and practitioners reporting their valuable experiences in developing solutions and systems in the industrial and business arena especially innovative commercial implementations, novel applications of technology, and experience in applying recent research advances to practical situations, in any ICT areas. The conference focuses on issues concerning a variety of ICT fields like:

- Multimedia Information Systems
- Artificial Intelligence
- Pervasive and Ubiquitous Computing
- Eco and Bio Informatics
- Internet and Web Applications and Services
- Wireless and Mobile Communications and Services
- Computer Networks, Security and Cryptography
- Distributed Systems, GRID and Cloud Computing

ICT Innovations 2009 Conference was held in Ohrid, Macedonia, in September 28-30, 2009. Local arrangements provided by the members of the Macedonian Society on Information and Communication Technologies - ICT-ACT, mainly consisting of teaching and research staff of Computer Science Department at Faculty of Electrical Engineering and Information Technologies and Institute of Informatics at Faculty of Natural Sciences, both at Ss. Cyril and Methodius University in Skopje, Macedonia.

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Benign Breast Diseases Catherine N. Chinyama 2013-12-20
The second edition of this book has been extensively revised and updated. There has been a lot of scientific advances in the radiology, pathology and risk assessment of benign breast lesions since the publication of the first edition. The first edition concentrated on screen-detected lesions, which has been rectified. New symptomatic and screen-detected lesions are discussed in the second edition and include: mastitis and breast abscess, idiopathic granulomatous mastitis, diabetic mastopathy, phyllodes tumour, gynaecomastia and pseudoangiomatous stromal hyperplasia. The chapters on columnar cell lesions and mucocele-like lesions have been extensively updated. Where applicable, genetic analysis of the benign lesions which in breast cancer is becoming part of personalised medicine has been included. The book includes detailed analysis of the main models such as the Gail Model used to assess the subsequent risk of breast cancer in individuals. The current trend in the management of all cancers is preventative. Screening mammography detects early curable cancers as well as indeterminate lesions. These indeterminate mammographic lesions are invariably pathologically benign. The author collated important benign lesions and based on peer-reviewed publications documented the relative risk of subsequent cancer to allow the patient and the clinician to institute preventative measures where possible. This book therefore will be an essential part of multidisciplinary management of patients with symptomatic and screen-detected benign breast lesions.

Those Who Count Mihai Surdu 2016-11-10
Those Who Count scrutinizes the scientific and expert practices of Roma classification and counting, and the politics of Roma-related knowledge production. The book takes a historical perspective on Roma group construction, both as an epistemic object and a policy target, with a focus on the expert discourse of the last two decades. The book argues that knowledge production on Roma is neither objective nor disinterested but rather is co-produced by political and academic actors driven by organizational interests with rather narrow disciplinary research traditions, as well as

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by political manifestos. The result of such co-production is a negative Roma public image circulating well beyond the expert discourse which reinforces stereotypes held by society at large. The case studies and examples presented in the book show that the state-led population census, policy related surveys, as well as academic and scientific research, together craft an essentialized Roma identity. The recently reemerged Roma-related genetic research imports assumptions, classifications, and narrations from the social sciences and contributes through sampling strategies, interpretation of data, and generalization to reify and pathologize Roma ethnicity. Roma are relegated by experts to several types of determinism: to a social category, to a frozen culture, and to a homogenous biologized entity.

50 Years of Bat Research Burton K. Lim 2021-01-23 With more than 1,400 species, bats are an incredibly diverse and successful group of mammals that can serve as model systems for many unique evolutionary adaptations. Flight has allowed them to master the sky, while echolocation enables them to navigate in the dark. Being small, secretive, nocturnal creatures has made bats a challenge to study, but over the past 50 years, innovative research has made it possible to dispel some of the mystery and myth surrounding them to give us a better understanding of the role these animals play in the ecosystem. The structure of the book is based on several broad themes across the biological sciences, including the evolution of bats, their ecology and behavior, and conservation of biodiversity. Within these themes are more specific topics on important aspects of bat research, such as morphology, molecular biology, echolocation, taxonomy, systematics, threats to bats, social structure, reproduction, movements, and feeding strategies. Given its scope, the book will appeal to the wider scientific community, environmental organizations, and government policymakers who are interested in the interdisciplinary aspects of biology and nature.

Advances in Machine Learning and Computational Intelligence Srikanta Patnaik 2020-07-25 This book gathers selected high-quality papers presented at the International

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Computational Intelligence (ICMLCI-2019), jointly organized by Kunming University of Science and Technology and the Interscience Research Network, Bhubaneswar, India, from April 6 to 7, 2019. Addressing virtually all aspects of intelligent systems, soft computing and machine learning, the topics covered include: prediction; data mining; information retrieval; game playing; robotics; learning methods; pattern visualization; automated knowledge acquisition; fuzzy, stochastic and probabilistic computing; neural computing; big data; social networks and applications of soft computing in various areas.

Advances in Electronics, Communication and Computing Akhtar Kalam 2017-10-27 This book is a compilation of research work in the interdisciplinary areas of electronics, communication, and computing. This book is specifically targeted at students, research scholars and academicians. The book covers the different approaches and techniques for specific applications, such as particle-swarm optimization, Otsu's function and harmony search optimization algorithm, triple gate silicon on insulator (SOI)MOSFET, micro-Raman and Fourier Transform Infrared Spectroscopy (FTIR) analysis, high-k dielectric gate oxide, spectrum sensing in cognitive radio, microstrip antenna, Ground-penetrating radar (GPR) with conducting surfaces, and digital image forgery detection. The contents of the book will be useful to academic and professional researchers alike.

Fruit Oils: Chemistry and Functionality Mohamed Fawzy Ramadan 2019-05-08 Fruit Oils: Chemistry and Functionality presents a comprehensive overview of recent advances in the chemistry and functionality of lipid bioactive phytochemicals found in fruit oils. The chapters in this text examine the composition, physicochemical characteristics and organoleptic attributes of each of the major fruit oils. The nutritional quality, oxidative stability, and potential food and non-food applications of these oils are also extensively covered. The potential health benefits of the bioactive lipids found in these fruit oils are also a focus of this text. For each oil presented, the levels of omega-9, omega-6 and omega-3 fatty acids are specified, indicating the level of health-promoting traits exhibited in each. The oils and fats extracted from fruits generally differ from one another both

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in terms of their major and minor bioactive constituents. The methods used to extract oils and fats as well as the processing techniques such as refining, bleaching and deodorization affect their major and minor constituents. In addition, different post-processing treatments of fruit oils and fats may alter or degrade important bioactive constituents. Treatments such as heating, frying, cooking and storage and major constituents such as sterols and tocopherols are extensively covered in this text. Although there have been reference works published on the composition and biological properties of lipids from oilseeds, there is currently no book focused on the composition and functionality of fruit oils. *Fruit Oils: Chemistry and Functionality* aims to fill this gap for researchers, presenting a detailed overview of the chemical makeup and functionality of all the important fruit oils.

Advances in Health and Environment Safety

N. A. Siddiqui 2017-12-28 This book comprises selected papers on advances in the field of health and environment safety that were presented at the leading international conference on advances in the field of health, safety, fire, environment, allied sciences and engineering (HSFEA 2016). The book focuses on the latest developments in the field of health and environment safety, and highlights related opportunities and challenges. The book also presents methods that can be used to effectively monitor and measure climate change and global warming. Further, the contents of this work stress the importance of maintaining safety and healthy work environments that are free of occupational health hazards. This book will be of interest to researchers, professionals, and policy makers alike.

[Folic Acid and the Prevention of Disease](#) Great Britain. Committee on Medical Aspects of Food and Nutrition Policy 2000 This COMA report reviews available evidence linking dietary folate and folic acid with human health. It is concerned particularly with the need for adequate intakes of

folate at the time of conception to reduce the risk of a pregnancy being affected by neural tube defect (NTD).

Oer Andrew Wesolek 2018-10 For many of us, the drive to affect positive change--however vague or idiosyncratic our sense of this might be--has guided our work in higher education. We champion the pursuit of a college degree because few endeavors can match it in terms of advancing a person's economic mobility (Chetty, Friedman, Saez, Turner, and Yagan; 2017). Despite recent debates about the value of a college degree (Pew Research Center, 2017), the opportunities and financial stability awarded to those with college degrees remain apparent when they are compared to peers who have only graduated high school (Pew Research Center, 2014). And while more Americans have a college degree than ever before (Ryan and Bauman, 2016), access to a formal, post-secondary education continues to be elusive for some. Indeed, over the last ten years, analysts have projected that the cost of attending college would keep 2.4 million low-to-moderate income, college-qualified high school graduates from completing a college degree (Advisory Committee on Student Financial Assistance, 2006). During that same period, college students in the United States saw expenses related to tuition and fees increase by 63 percent, school housing costs (excluding board) increase by 51 percent, textbook prices increase by 88 percent (Bureau of Labor, 2016). Because few students can afford a college education by salary alone, 44.2 million Americans have sought financial aid via student loans. As a result, total student loan debt is now topping \$1.45 trillion in the United States (Board of Governors of the Federal Reserve System, 2017), and student loan delinquency rates are averaging 11.2 percent (Federal Reserve Bank of New York, 2017). The burden of a student's financial decisions extends beyond the mere individual: society will inevitably carry the weight of this debt for years to come.