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## Engaged Fatherhood for Men, Families and Gender Equality Healthcare, Social Policy, and Work Perspectives

*Springer Nature* **This aim of this open access book is to launch an international, cross-disciplinary conversation on fatherhood engagement. By integrating perspective from three sectors -- Health, Social Policy, and Work in Organizations -- the book offers a novel perspective on the benefits of engaged fatherhood for men, for families, and for gender equality. The chapters are crafted to engaged broad audiences, including policy makers and organizational leaders, healthcare practitioners and fellow scholars, as well as families and their loved ones.**

## AI and Learning Systems

## Industrial Applications and Future Directions

*BoD - Books on Demand* **Over the last few years, interest in the industrial applications of AI and learning systems has surged. This book covers the recent developments and provides a broad perspective of the key**

challenges that characterize the field of Industry 4.0 with a focus on applications of AI. The target audience for this book includes engineers involved in automation system design, operational planning, and decision support. Computer science practitioners and industrial automation platform developers will also benefit from the timely and accurate information provided in this work. The book is organized into two main sections comprising 12 chapters overall: •Digital Platforms and Learning Systems •Industrial Applications of AI

# Trends and Innovations in Information Systems and Technologies

## Volume 1

*Springer Nature* This book gathers selected papers presented at the 2020 World Conference on Information Systems and Technologies (WorldCIST'20), held in Budva, Montenegro, from April 7 to 10, 2020. WorldCIST provides a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences with and challenges regarding various aspects of modern information systems and technologies. The main topics covered are A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G) Intelligent and Decision Support Systems; H) Big Data Analytics and Applications; I) Human-Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; and N) Technologies for Biomedical Applications.

## 151 Trading Strategies

*Springer* The book provides detailed descriptions, including more than 550 mathematical formulas, for more than 150 trading strategies across a host of asset classes and trading styles. These include stocks, options, fixed income, futures, ETFs, indexes, commodities, foreign exchange, convertibles, structured assets, volatility, real estate, distressed assets, cash, cryptocurrencies, weather, energy, inflation, global macro, infrastructure, and tax arbitrage. Some strategies are based on machine learning algorithms such as artificial neural networks, Bayes, and k-nearest neighbors. The book also includes source code for illustrating out-of-

sample backtesting, around 2,000 bibliographic references, and more than 900 glossary, acronym and math definitions. The presentation is intended to be descriptive and pedagogical and of particular interest to finance practitioners, traders, researchers, academics, and business school and finance program students.

## Occupational and Environmental Safety and Health II

*Springer Nature* This book explores a number of important issues in the area of occupational safety and hygiene. Presenting both research and best practices for the evaluation of occupational risk, safety and health in various types of industry, it particularly focuses on occupational safety in automated environments, innovative management systems and occupational safety in a global context. The different chapters examine the perspectives of all those involved, such as managers, workers and OSH professionals. Based on selected contributions presented at the 16th International Symposium on Occupational Safety and Hygiene (SHO 2020), held on 6-7 April, 2020, in Porto, Portugal, the book serves as a timely reference guide and source of inspiration to OSH researchers, practitioners and organizations operating in a global context.

## Bioengineering and Biomedical Signal and Image Processing

### First International Conference, BIOMESIP 2021, Meloneras, Gran Canaria, Spain, July 19-21, 2021, Proceedings

*Springer Nature* This book constitutes the refereed proceedings of the First International Conference on Bioengineering and Biomedical Signal and Image Processing, BIOMESIP 2021, held in Meloneras, Gran Canaria, Spain, in July 2021. The 41 full and 5 short papers were carefully reviewed and selected from 121 submissions. The papers are grouped in topical issues on biomedical applications in molecular, structural, and functional imaging; biomedical computing; biomedical signal measurement, acquisition and processing; computerized medical imaging and graphics; disease control

and diagnosis; neuroimaging; pattern recognition and machine learning for biosignal data; personalized medicine; and COVID-19.

# A Handbook for the Study of Mental Health

## Social Contexts, Theories, and Systems

*Cambridge University Press* **The second edition of A Handbook for the Study of Mental Health provides a comprehensive review of the sociology of mental health. Chapters by leading scholars and researchers present an overview of historical, social and institutional frameworks. Part I examines social factors that shape psychiatric diagnosis and the measurement of mental health and illness, theories that explain the definition and treatment of mental disorders and cultural variability. Part II investigates effects of social context, considering class, gender, race and age, and the critical role played by stress, marriage, work and social support. Part III focuses on the organization, delivery and evaluation of mental health services, including the criminalization of mental illness, the challenges posed by HIV, and the importance of stigma. This is a key research reference source that will be useful to both undergraduates and graduate students studying mental health and illness from any number of disciplines.**

## Current Strategies to Improve the Nutritional and Physical Quality of Baked Goods

*MDPI* **The lifestyle of humans is rapidly changing, and, correspondingly, their needs and the current and future megatrends of the food market. It is worth mentioning (1) the preference for natural, simple, and flexible diets that drive the further expansion of plant-focused formulations, (2) the focus on food sustainability (food waste reduction), and (3) the interest in healthy eating as the basis for good health. The hectic routine and rapid urbanization in developed and developing regions, respectively, have shifted consumer preferences toward bread and baked foods, which, interestingly, are often high in sugars and are categorized as having a high glycemic index. Therefore, it is of major importance to address the technological challenges of manufacturing baked goods with high physical and sensory quality that result in positive metabolic responses. This**

**Special Issue seeks to provide fundamental understanding in this area and novel strategies to improve the nutritional properties of baked goods, including a decrease in starch bioaccessibility, sugar reduction, increase in fiber and/or protein content, and the improvement of phytochemical bioactivity. This Special Issue will also cover studies on the physical and sensory improvements of baked goods that may provide a mechanistic understanding to minimize the loss of quality after the incorporation of nutritional-improving ingredients, such as edible byproducts, proteins, or fibers. Last but not least, studies focused on the reduction of additives (clean label) or fat and on the use of sourdough to improve the sensory properties of baked goods will also be included.**

## Handbook of Adhesive Technology, Revised and Expanded

*CRC Press* **The Handbook of Adhesive Technology, Second Edition exceeds the ambition of its bestselling forerunner by reexamining the mechanisms driving adhesion, categories of adhesives, techniques for bond formation and evaluation, and major industrial applications. Integrating modern technological innovations into adhesive preparation and application, this greatly expanded and updated edition comprises a total of 26 different adhesive groupings, including three new classes. The second edition features ten new chapters, a 40-page list of resources on adhesives, and abundant figures, tables, equations.**

## The Motor

## Individuals and Materials in the Greco-Roman Cults of Isis

## Agents, Images, and Practices

*BRILL* **In Individuals and Materials in the Greco-Roman Cults of Isis**  
**Valentino Gasparini and Richard Veymiers present 26 studies with a focus on the individuals and groups which animated the diffusion and reception of the cults of Isis and other Egyptian gods throughout the Hellenistic and Roman worlds.**

## Adaptation in Natural and Artificial

# Systems

## An Introductory Analysis with Applications to Biology, Control, and Artificial Intelligence

*MIT Press* Genetic algorithms are playing an increasingly important role in studies of complex adaptive systems, ranging from adaptive agents in economic theory to the use of machine learning techniques in the design of complex devices such as aircraft turbines and integrated circuits. *Adaptation in Natural and Artificial Systems* is the book that initiated this field of study, presenting the theoretical foundations and exploring applications. In its most familiar form, adaptation is a biological process, whereby organisms evolve by rearranging genetic material to survive in environments confronting them. In this now classic work, Holland presents a mathematical model that allows for the nonlinearity of such complex interactions. He demonstrates the model's universality by applying it to economics, physiological psychology, game theory, and artificial intelligence and then outlines the way in which this approach modifies the traditional views of mathematical genetics. Initially applying his concepts to simply defined artificial systems with limited numbers of parameters, Holland goes on to explore their use in the study of a wide range of complex, naturally occurring processes, concentrating on systems having multiple factors that interact in nonlinear ways. Along the way he accounts for major effects of coadaptation and coevolution: the emergence of building blocks, or schemata, that are recombined and passed on to succeeding generations to provide, innovations and improvements.

# The Autocar

## A Journal Published in the Interests of the Mechanically Propelled Road Carriage

# Host Bibliographic Record for Boundwith Item Barcode 30112044669122 and Others Molecular Mechanism of Alzheimer's Disease

*MDPI* Alzheimer's disease (AD) is an age-related neurological disease that affects tens of millions of people, in addition to their carers. Hallmark features of AD include plaques composed of amyloid beta, as well as neurofibrillary tangles of tau protein. However, despite more than a century of study, the cause of Alzheimer's disease remains unresolved. The roles of amyloid beta and tau are being questioned and other causes of AD are now under consideration. The contributions of researchers, model organisms, and various hypotheses will be examined in this Special Issue.

## Health Benefits of Mediterranean Diet

*MDPI* Growing evidence shows that a dietary pattern inspired by Mediterranean diet principles is associated with numerous health benefits. A Mediterranean-type diet has been demonstrated to exert a preventive effect toward cardiovascular diseases, in both Mediterranean and non-Mediterranean populations. Part of these properties may depend on a positive action toward healthier metabolism, decreasing the risk of diabetes and metabolic-syndrome-related conditions. Some studies also suggested a potential role in preventing certain cancers. Finally, newer research has showed that a higher adherence to the Mediterranean diet is associated with a lower risk of cognitive decline, depression, and other mental disorders. Overall, a better understanding of the key elements of this dietary pattern, the underlying mechanisms, and targets, are needed to corroborate current evidence and provide insights on new and potential outcomes. This Special Issue welcomes original research and reviews of literature concerning the Mediterranean diet and various health outcomes: Observational studies on established nutritional cohorts (preferred), case-control studies, or population sample on the association with non-communicable diseases; Level of evidence on the association with human health, including systematic reviews and metaanalyses; Evaluation of application of Mediterranean diet principles in non-Mediterranean

countries; Description of mechanisms of action, pathways, and targets at the molecular level, including interaction with gut microbiota.

## Dermatological Manual of Outdoor Hazards

*Springer Nature* This book comprehensively covers the knowledge and skills that physicians, medical students and mid-level providers (physician assistants and nurse practitioners) need in order to care for patients with plant or arthropod exposures. It presents the epidemiology, pathogenesis and clinical manifestations of selected exposures, before discussing prevention strategies and management options for adverse cutaneous reactions and selected systemic manifestations. Lastly, it reviews emerging viruses carried by arthropods and related human diseases, such as the Zika virus. *Dermatological Manual of Outdoor Hazards* covers a broad range of arthropod and plant exposures, with a specific focus on dermatological manifestations, making it a valuable resource for all trainees and practicing dermatologists, primary care physicians and emergency physicians who treat these patients.

## Surveying Ethnic Minorities and Immigrant Populations

## Methodological Challenges and Research Strategies

*IMISCOE Research* What are the special problems involved in surveying immigrant populations and ethnic minorities? How can we ensure adequate representation of these growing groups in general population surveys? This book is the first to address these challenges in a systematic way. Experiences from eight Western countries, involving more than a dozen surveys, are used to explore difficulties in designing these types of surveys and some of the choices made to deal with them. The rich array of cases covered gives rise to valuable lessons, from local and national surveys, from well-funded surveys and those with limited means, and on a wide variety of topics ranging from politics to health.

## Global Financial Development

# Report 2014

## Financial Inclusion

*World Bank Publications* **The second issue in a new series, Global Financial Development Report 2014 takes a step back and re-examines financial inclusion from the perspective of new global datasets and new evidence. It builds on a critical mass of new research and operational work produced by World Bank Group staff as well as outside researchers and contributors.**

## The Overactive Pelvic Floor

*Springer* **This textbook provides a comprehensive, state-of-the art review of the Overactive Pelvic Floor (OPF) that provides clinical tools for medical and mental health practitioners alike. Written by experts in the field, this text offers tools for recognition, assessment, treatment and interdisciplinary referral for patients with OPF and OPF related conditions. The text reviews the definition, etiology and pathophysiology of non-relaxing pelvic floor muscle tone as well as discusses sexual function and past sexual experience in relation to the pelvic floor. Specific pelvic floor dysfunctions associated with pelvic floor overactivity in both men and women are reviewed in detail. Individual chapters are devoted to female genital pain and vulvodynia, female bladder pain and interstitial cystitis, male chronic pelvic and genital pain, sexual dysfunction related to pelvic pain in both men and women, musculoskeletal aspects of pelvic floor overactivity, LUTS and voiding dysfunction, and anorectal disorders. Assessment of the pelvic floor is addressed in distinct chapters describing subjective and objective assessment tools. State of the art testing measures including electromyographic and video-urodynamic analysis, ultrasound and magnetic resonance imaging are introduced. The final chapters are devoted to medical, psychosocial, and physical therapy treatment interventions with an emphasis on interdisciplinary management. The Overactive Pelvic Floor serves physicians in the fields of urology, urogynecology and gastroenterology as well as psychotherapists, sex therapists and physical therapists.**

## Neuropsychology of Cardiovascular Disease

*Psychology Press* **Cardiovascular disease (CVD) is the leading cause of morbidity and mortality in the United States and most westernized nations. Both CVDs and their risk factors confer substantial risk for stroke and dementia, but are also associated with more subtle changes in brain**

structure and function and cognitive performance prior to such devastating clinical outcomes. It has been suggested that there exists a continuum of brain abnormalities and cognitive difficulties associated with increasingly severe manifestations of cardiovascular risk factors and diseases that precede vascular cognitive impairment and may ultimately culminate in stroke or dementia. This second edition examines the relations of a host of behavioral and biomedical risk factors, in addition to subclinical and clinical CVDs, to brain and cognitive function. Associations with dementia and pre-dementia cognitive performance are reported, described, and discussed with a focus on underlying brain mechanisms. Future research agendas are suggested, and clinical implications are considered. The volume is a resource for professionals and students in neuropsychology, behavioral medicine, neurology, cardiology, cardiovascular and behavioral epidemiology, gerontology, geriatric medicine, nursing, adult developmental psychology, and for other physicians and health care professionals who work with patients with, or at risk for, CVDs.

## Basics of Geomatics

*Springer Science & Business Media* **Geomatics** is a neologism, the use of which is becoming increasingly widespread, even if it is not still universally accepted. It includes several disciplines and techniques for the study of the Earth's surface and its environments, and computer science plays a decisive role. A more meaningful and appropriate expression is **Geo-spatial Information** or **GeoInformation**. **Geo-spatial Information** embeds topography in its more modern forms (measurements with electronic instrumentation, sophisticated techniques of data analysis and network compensation, global satellite positioning techniques, laser scanning, etc.), analytical and digital photogrammetry, satellite and airborne remote sensing, numerical cartography, geographical information systems, decision support systems, WebGIS, etc. These specialized fields are intimately interrelated in terms of both the basic science and the results pursued: rigid separation does not allow us to discover several common aspects and the fundamental importance assumed in a search for solutions in the complex survey context. The objective pursued by Mario A. Gomarasca, one that is only apparently modest, is to publish an integrated text on the surveying theme, containing simple and comprehensible concepts relevant to experts in Geo-spatial Information and/or specially in one of the disciplines that compose it. At the same time, the book is rigorous and synthetic, describing with precision the main instruments and methods connected to the multiple techniques available today.

## Quality of Life in Child and

# Adolescent Illness

## Concepts, Methods and Findings

*Routledge* **How can we measure the quality of life in children and adolescents with chronic disease? Major progress in the diagnosis and treatment of severe and chronic disease has led to an increased number of children and their families having to adapt and cope with the impact of disease, survival, and the cost of treatment. Health professionals have responded to this by developing a diversity of instruments for measuring quality of life for use in paediatrics, psychology and public health. This book introduces the reader to the emerging field of quality of life assessment and provides a comprehensive overview of the conceptual and methodological issues concerning quality of life in child and adolescent illness. Particular emphasis is provided on current efforts to measure the impact of specific chronic conditions on different domains of child functioning. Future directions are outlined for the development of appropriate instruments for measuring quality of life in children and adolescents. Quality of Life in Child and Adolescent Illness is intended for psychologists, paediatricians, paediatric nurses, child psychiatrists, public health professionals, researchers and other interested readers from the undergraduate to the working professional.**

# Communicate Science Papers, Presentations, and Posters Effectively

*Academic Press* **Communicate Science Papers, Presentations, and Posters Effectively is a guidebook on science writing and communication that professors, students, and professionals in the STEM fields can use in a practical way. This book advocates a clear and concise writing and presenting style, enabling users to concentrate on content. The text is useful to both native and non-native English speakers, identifying best practices for preparing graphs and tables, and offering practical guidance for writing equations. It includes content on significant figures and error bars, and provides the reader with extensive practice material consisting of both exercises and solutions. Covers how to accurately and clearly exhibit results, ideas, and conclusions Identifies phrases common in scientific literature that should never be used Discusses the theory of presentation, including “before and after examples highlighting best practices Provides concrete, step-by-step examples on how to make camera ready graphs and tables**

# Anemia in the Young and Old Diagnosis and Management

*Springer* This text provides a concise yet comprehensive overview of anemia in the young and old. The first section of the volume features age-specific diagnostic approaches to anemia, from the perinatal period to the elderly, with a particular emphasis on age-specific epidemiology, differential diagnosis, and testing. The second section focuses on specific anemia disorders, including inherited bone marrow failure syndromes, iron deficiency anemia, renal anemia, pure red cell anemia, and anemia of inflammation and chronic disease. Each chapter in this section revolves around a specific syndrome or group of syndromes, and addresses pathophysiology, diagnostic issues, natural history/prognosis, and treatment. Written by experts in the field, *Anemia in the Young and Old: Diagnosis and Management* is a valuable resource for clinicians and practitioners who treat the pediatric and elderly patient population afflicted with anemia.

# Plankton Ecology of the Southwestern Atlantic

# From the Subtropical to the Subantarctic Realm

*Springer* This book integrates a variety of issues such as regional settings of productivity and nutrient cycling; plankton of coastal and shelf systems; plankton, climate change and human-induced changes; harmful algae and their impacts; and gelatinous zooplankton. This book explores the intriguing marine plankton communities of the SWA region of South America encompassing low to high latitude environments, framed by a complex hydrographic background and global climate change. This vast and iconic region has been largely under-recognized and under-studied. However, in recent years a strong interest has emerged along with the acknowledgment of its high biological productivity. The book concludes by discussing conservation in the region, highlighting regional biodiversity hotspots where the challenges of climate change, habitat loss, and other threats to biodiversity may be particularly acute. *Plankton Ecology of the Southwestern Atlantic* is a timely synthesis of the field, setting a new baseline for future research. It will be important reading for both researchers and graduate students, and will also be of interest and use to

a professional audience of oceanographers, conservation biologists, stake holders and educated science enthusiasts

## Ketamine

### Dreams and Realities

**"Karl Jansen's book Ketamine, Dreams, and Realities is a goldmine of information on this fascinating substance that combines in a unique way the properties of an anesthetic and a psychedelic. It is clearly written, well researched and documented, and presents a balanced and objective view point. The author's broad perspective that covers all the aspects of Ketamine from pharmacology to its use in raves makes this book interesting for clinicians and researchers, as well as the general public."- Stan Grof, M.D., author of Psychology of the Future: Lessons From Modern Consciousness Research; LSD Psychotherapy "Indispensable reading for those with any interest in ketamine. Entertaining, thought-provoking, and thorough." - Rick Strassman, M.D., author of DMT: The Spirit Molecule: A Doctor's Revolutionary Research into the Biology of Near-Death and Mystical Experiences "It is an excellent book... a well done comprehensive review of the entire history of ketamine." - Evgeny Krupitsky, M.D., Ph.D. Pioneer researcher into the use of ketamine-assisted psychotherapy in the treatment of alcoholism and heroin addiction.**

## Implementing Industry 4.0 in SMEs

### Concepts, Examples and Applications

*Springer Nature* **This open access book addresses the practical challenges that Industry 4.0 presents for SMEs. While large companies are already responding to the changes resulting from the fourth industrial revolution , small businesses are in danger of falling behind due to the lack of examples, best practices and established methods and tools. Following on from the publication of the previous book 'Industry 4.0 for SMEs: Challenges, Opportunities and Requirements', the authors offer in this new book innovative results from research on smart manufacturing, smart logistics and managerial models for SMEs. Based on a large scale EU-funded research project involving seven academic institutions from three continents and a network of over fifty small and medium sized enterprises, the book reveals the methods and tools required to support the successful implementation of Industry 4.0 along with practical examples.**

## Heavy Metals in Soils

### Trace Metals and Metalloids in Soils and their Bioavailability

*Springer Science & Business Media* This third edition of the book has been completely re-written, providing a wider scope and enhanced coverage. It covers the general principles of the natural occurrence, pollution sources, chemical analysis, soil chemical behaviour and soil-plant-animal relationships of heavy metals and metalloids, followed by a detailed coverage of 21 individual elements, including: antimony, arsenic, barium, cadmium, chromium, cobalt, copper, gold, lead, manganese, mercury, molybdenum, nickel, selenium, silver, thallium, tin, tungsten, uranium, vanadium and zinc. The book is highly relevant for those involved in environmental science, soil science, geochemistry, agronomy, environmental health, and environmental engineering, including specialists responsible for the management and clean-up of contaminated land.

## Libros españoles en venta

### Internet and Society in Latin America and the Caribbean

*IDRC* This book presents pioneering research that is designed to show, from a qualitative and ethnographic perspective, how new information and communication technologies, as applied to the school system and to local governance initiatives, merely reproduce traditional pedagogical approaches and the dominant forms by which power is exercised at the local level. The studies thus constitute points of departure for further thinking about the need to promote an Internet culture based on the social application of a OC right to communication and cultureOCO and an OC Internet right, OCO that will permit the establishment of true citizen participation and free access to knowledge, with due regard to personal and individual rights such as those of privacy and intimacy."

## Molecular Biomethods Handbook

*Springer Science & Business Media* Recent advances in the biosciences have led to a range of powerful new technologies, particularly nucleic acid, protein and cell-based methodologies. The most recent insights have come to affect how scientists investigate and define cellular processes at the

molecular level. This book expands upon the techniques included in the first edition, providing theory, outlines of practical procedures, and applications for a range of techniques. Written by a well-established panel of research scientists, the book provides an up-to-date collection of methods used regularly in the authors' own research programs.

## Before Religion

## A History of a Modern Concept

*Yale University Press* Examining a wide array of ancient writings, Brent Nongbri dispels the commonly held idea that there is such a thing as ancient religion. Nongbri shows how misleading it is to speak as though religion was a concept native to pre-modern cultures.

## Geriatric Physical Therapy

*McGraw-Hill Education / Medical* **Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. The definitive case-based guide to effectively managing geriatric disorders Geriatric Physical Therapy provides the most authoritative overview available on managing the special needs of the elderly in all health care settings. Through nearly 200 cases, the text offers a skill-building balance of theory and clinical application of knowledge in caring for the older adult population. This timely book addresses and incorporates aspects of prevention, fitness, and wellness into the rehabilitative model of care for elders with and without pathological conditions. Features: Nearly 200 cases examine both acute and chronic stage settings, and provides suggested tests and measures Cases focus on orthopedics and neurology for consistency with board exams, which concentrate in these therapeutic areas Tables and boxes organize and summarize important information and highlight key points for quick reference A well-referenced and scientific approach provides the depth to understand integral processes and procedures**

## Industry 4.0 for SMEs

## Challenges, Opportunities and Requirements

*Springer Nature* This open access book explores the concept of Industry 4.0, which presents a considerable challenge for the production and service

sectors. While digitization initiatives are usually integrated into the central corporate strategy of larger companies, smaller firms often have problems putting Industry 4.0 paradigms into practice. Small and medium-sized enterprises (SMEs) possess neither the human nor financial resources to systematically investigate the potential and risks of introducing Industry 4.0. Addressing this obstacle, the international team of authors focuses on the development of smart manufacturing concepts, logistics solutions and managerial models specifically for SMEs. Aiming to provide methodological frameworks and pilot solutions for SMEs during their digital transformation, this innovative and timely book will be of great use to scholars researching technology management, digitization and small business, as well as practitioners within manufacturing companies.

## Greek and Roman Textiles and Dress

### An Interdisciplinary Anthology

*Oxbow Books* Twenty chapters present the range of current research into the study of textiles and dress in classical antiquity, stressing the need for cross and inter-disciplinary study in order to gain the fullest picture of surviving material. Issues addressed include: the importance of studying textiles to understand economy and landscape in the past; different types of embellishments of dress from weaving techniques to the (late introduction) of embroidery; the close links between the language of ancient mathematics and weaving; the relationships of iconography to the realities of clothed bodies including a paper on the ground breaking research on the polychromy of ancient statuary; dye recipes and methods of analysis; case studies of garments in Spanish, Viennese and Greek collections which discuss methods of analysis and conservation; analyses of textile tools from across the Mediterranean; discussions of trade and ethnicity to the workshop relations in Roman fulleries. Multiple aspects of the production of textiles and the social meaning of dress are included here to offer the reader an up-to-date account of the state of current research. The volume opens up the range of questions that can now be answered when looking at fragments of textiles and examining written and iconographic images of dressed individuals in a range of media. The volume is part of a pair together with *Prehistoric, Ancient Near Eastern and Aegean Textiles and Dress: an interdisciplinary anthology* edited by Mary Harlow, Cécile Michel and Marie-Louise Nosch

# Chemically-Induced DNA Damage, Mutagenesis, and Cancer

*MDPI* This book is a printed edition of the Special Issue " Chemically-Induced DNA Damage, Mutagenesis, and Cancer" that was published in *IJMS*

# Handbook of Solid Phase Microextraction

*Elsevier* The relatively new technique of solid phase microextraction (SPME) is an important tool to prepare samples both in the lab and on-site. SPME is a "green" technology because it eliminates organic solvents from analytical laboratory and can be used in environmental, food and fragrance, and forensic and drug analysis. This handbook offers a thorough background of the theory and practical implementation of SPME. SPME protocols are presented outlining each stage of the method and providing useful tips and potential pitfalls. In addition, devices and fiber coatings, automated SPME systems, SPME method development, and In Vivo applications are discussed. This handbook is essential for its discussion of the latest SPME developments as well as its in depth information on the history, theory, and practical application of the method. Practical application of Solid Phase Microextraction methods including detailed steps Provides history of extraction methods to better understand the process Suitable for all levels, from beginning student to experienced practitioner

# Development and Manufacture of Yogurt and Other Functional Dairy Products

*CRC Press* While the science of yogurt is nearly as old as the origin of mankind, there have been rapid changes in yogurt development since the turn of the 19th century, fueled by continuing developments in biological sciences. *Development and Manufacture of Yogurt and Other Functional Dairy Products* presents a comprehensive review of all aspects of yogurt and other fermented dairy foods, including production, processing, preparation, regulations, and health aspects. Condensing more than 12,000 pages of recently published literature, expert contributors, including several clinicians, address the most recent developments in

probiotics and the interaction between yogurt and immunological and intestinal bowel diseases. They explain how beneficial and harmful bacteria are colonized in the human intestinal system and how those bacteria can either strengthen or weaken immunological functions. This resource also explores the little-known varieties of functional dairy products - such as ayran, kefir, koumiss, cacik, and tarator - that are currently only consumed in small parts of the world but that are likely to reach supermarkets worldwide in the not-so-distant future. **Development and Manufacture of Yogurt and Other Functional Dairy Products** presents the most recent developments in biosciences and their applications in yogurt-human health interactions. The depth and breadth of coverage make this book an indispensable reference for those involved with the research and manufacturing of milk and dairy products.

## Rickham's Neonatal Surgery

*Springer* This book provides a detailed guide to neonatal surgery and its related disciplines including: fetal medicine, fetal surgery, radiology, newborn anaesthesia, intensive care, neonatal medicine, medical genetics, pathology, cardiac surgery, and urology. The book aims to cover all the latest advances in newborn surgery, with contributions from the basic sciences and laboratory research to reflect the steady progress in our current working knowledge and understanding of many neonatal surgical disorders. As huge advances have been made in neonatal surgery in the past decades, ethical issues, long term outcomes, and quality of life are also emphasised. This book is an authoritative reference for surgical residents in training, consultant surgeons, general surgeons with an interest in paediatric surgery, neonatologists, paediatricians, intensive care specialists, and nursing staff.