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### KEY=328 - STEPHENSON DEANDRE

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#### SOCIALISM: THE FAILED IDEA THAT NEVER DIES

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[London Publishing Partnership](#) **Socialism is strangely impervious to refutation by real-world experience. Over the past hundred years, there have been more than two dozen attempts to build a socialist society, from the Soviet Union to Maoist China to Venezuela. All of them have ended in varying degrees of failure. But, according to socialism's adherents, that is only because none of these experiments were "real socialism". This book documents the history of this, by now, standard response. It shows how the claim of fake socialism is only ever made after the event. As long as a socialist project is in its prime, almost nobody claims that it is not real socialism. On the contrary, virtually every socialist project in history has gone through a honeymoon period, during which it was enthusiastically praised by prominent Western intellectuals. It was only when their failures became too obvious to deny that they got retroactively reclassified as "not real socialism".**

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#### MADE TO BREAK

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#### TECHNOLOGY AND OBSOLESCENCE IN AMERICA

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[Harvard University Press](#) **Made to Break is a history of twentieth-century technology as seen through the prism of obsolescence. Giles Slade explains how disposability was a necessary condition for America's rejection of tradition and our acceptance of change and impermanence. This book gives us a detailed and harrowing picture of how, by choosing to support ever-shorter product lives, we may well be shortening the future of our way of life as well.**

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#### THE PLACES WHERE COMMUNITY IS PRACTICED

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#### HOW STORE OWNERS AND THEIR BUSINESSES BUILD NEIGHBORHOOD SOCIAL LIFE

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[Springer](#) **In this open access publication, the social cohesion of urban neighborhoods and their residents is examined, which is often viewed as vulnerable since increased mobility, individualization, wider socio-economic and demographic changes have fundamentally altered the basis for everyday social interaction in urban neighborhoods. Anna Steigemann gives scholarly attention to the concrete places where neighborly interactions still take place and to how these interactions affect local community building. She illuminates and explores the ordinary everyday interactions and social practices in and around shops and gastronomic facilities on a shopping street in Berlin-Neukölln, revealing how these businesses are important places where community is practiced, but also why they are increasingly threatened by commercial and residential gentrification.**

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#### HEALTH BENEFITS OF MEDITERRANEAN DIET

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[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.**

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#### SUSTAINABLE BUSINESS MODELS

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[MDPI](#) **This book is a printed edition of the Special Issue "Sustainable Business Models" that was published in Sustainability**

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#### MANUAL FOR SOIL ANALYSIS - MONITORING AND ASSESSING SOIL BIOREMEDIATION

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[Springer Science & Business Media](#) **This volume presents detailed descriptions of methods for evaluating, monitoring and assessing bioremediation of soil contaminated with organic pollutants or heavy metals. Traditional soil investigation techniques, including chemical, physical and microbiological methods, are complemented by the most suitable modern methods, including bioreporter technology, immunological, ecotoxicological and molecular assays. Step-by-step procedures, lists of required equipment and reagents and notes on evaluation and quality control allow immediate application**

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#### HELICOBACTER PYLORI RESEARCH

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#### FROM BENCH TO BEDSIDE

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[Springer](#) **This book provides the current updated knowledge on all essential aspects in the rapidly evolving area of Helicobacter pylori research. H. pylori is a class I carcinogen and one of the most common infections in the world. While most people colonized by H. pylori will remain asymptomatic, up to 20 % of them may develop serious gastroduodenal disease such as peptic ulcers or gastric cancer. H. pylori is the only known bacterium linked to the development of cancer and consequently is an important focus of research. Outstanding international experts from diverse scientific disciplines contribute here to give detailed insights into the current understanding concerning the physiology and role of this pathogen. Both basic science and clinical research with actual practical consequences are taken into account. The chapters target microbiology, epidemiology, genetics, biochemistry, interactions with the immune system, signal transduction, pathogenic mechanisms in the gastroduodenal mucosa, gastric disease development, and therapy including antibiotics or probiotics treatment as well as vaccination strategies. This book is an important reference not only for clinicians but also microbiologists. It provides in a single volume an up-to-date summary of our current knowledge of this microbe and the multiple ways in which it impacts upon public health in all parts of the world.**

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## MARXISM IN A LOST CENTURY

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### A BIOGRAPHY OF PAUL MATTICK

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**BRILL** Marxism in a Lost Century retells the history of the radical left during the twentieth century through the words and deeds of Paul Mattick. Three biographical themes receive special attention -- the self-taught nature of left-wing activity, Mattick's publishing endeavors, and the nexus of men, politics, and friendship.

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### THE BANK OF THE EUROPEAN UNION

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#### THE EIB, 1958-2008

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### OBESITY

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### PREVENTING AND MANAGING THE GLOBAL EPIDEMIC

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**World Health Organization** This report issues a call for urgent action to combat the growing epidemic of obesity, which now affects developing and industrialized countries alike. Adopting a public health approach, the report responds to both the enormity of health problems associated with obesity and the notorious difficulty of treating this complex, multifactorial disease. With these problems in mind, the report aims to help policy-makers introduce strategies for prevention and management that have the greatest chance of success. The importance of prevention as the most sensible strategy in developing countries, where obesity coexists with undernutrition, is repeatedly emphasized. Recommended lines of action, which reflect the consensus reached by 25 leading authorities, are based on a critical review of current scientific knowledge about the causes of obesity in both individuals and populations. While all causes are considered, major attention is given to behavioural and societal changes that have increased the energy density of diets, overwhelmed sophisticated regulatory systems that control appetite and maintain energy balance, and reduced physical activity. Specific topics discussed range from the importance of fat content in the food supply as a cause of population-wide obesity, through misconceptions about obesity held by both the medical profession and the public, to strategies for dealing with the alarming prevalence of obesity in children. The report has eleven chapters presented in five parts. Part one, which assesses the magnitude of the problem, explains the system for classifying overweight and obesity based on the body mass index, considers the importance of fat distribution, and provides an overview of trends in all regions of the world, concluding that obesity is increasing worldwide at an alarming rate. Chapters in part two evaluate the true costs of obesity in terms of physical and mental ill health, and the human and financial resources diverted to deal with these problems. Specific health consequences discussed include increased risk of cardiovascular disease, cancer, and other noncommunicable diseases, endocrine and metabolic disturbances, debilitating health problems, and psychological problems. The health benefits and risks of weight loss are also assessed. Part three draws on the latest research findings to consider specific factors involved in the development of overweight and obesity. Discussion centres on factors, such as high intakes of fat, that may disrupt normal physiological regulation of appetite and energy balance, and the role of dietary factors and levels of physical activity. In terms of opportunities for prevention, particular attention is given to the multitude of environmental and societal forces that adversely affect food intake and physical activity and may thus overwhelm the physiological regulatory systems that keep weight stable in the long term. The possible role of genetic and biological susceptibility is also briefly considered. Against this background, the fourth and most extensive part maps out strategies for prevention and management at both the population and individual levels. Separate chapters address the need to develop population-based strategies that tackle the environmental and societal factors implicated in the development of obesity, and compare the effectiveness of current options for managing overweight or obese individuals. Specific strategies discussed include dietary management, physical activity and exercise programmes, behaviour modification, drug treatment, and gastric surgery. While noting striking recent progress in the development of drug treatments, the report concludes that gastric surgery continues to show the best long-term success in treating the severely obese. The final part sets out key conclusions and recommendations for responding to the global obesity epidemic and identifies priority areas where more research is urgently needed. "... the volume is clearly written, and carries a wealth of summary information that is likely to be invaluable for anyone interested in the public health aspects of obesity and fatness, be they students, practitioner or researcher." - Journal of Biosocial Science

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### THE IMPACT OF DISASTERS AND CRISES ON AGRICULTURE AND FOOD SECURITY: 2021

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**Food & Agriculture Org.** On top of a decade of exacerbated disaster loss, exceptional global heat, retreating ice and rising sea levels, humanity and our food security face a range of new and unprecedented hazards, such as megafires, extreme weather events, desert locust swarms of magnitudes previously unseen, and the COVID-19 pandemic. Agriculture underpins the livelihoods of over 2.5 billion people - most of them in low-income developing countries - and remains a key driver of development. At no other point in history has agriculture been faced with such an array of familiar and unfamiliar risks, interacting in a hyperconnected world and a precipitously changing landscape. And agriculture continues to absorb a disproportionate share of the damage and loss wrought by disasters. Their growing frequency and intensity, along with the systemic nature of risk, are upending people's lives, devastating livelihoods, and jeopardizing our entire food system. This report makes a powerful case for investing in resilience and disaster risk reduction - especially data gathering and analysis for evidence informed action - to ensure agriculture's crucial role in achieving the future we want.

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### TIMBER ENGINEERING

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**John Wiley & Sons** Timber construction is one of the most prevalent methods of constructing buildings in North America and an increasingly significant method of construction in Europe and the rest of the world. Timber Engineering deals not only with the structural aspects of timber construction, structural components, joints and systems based on solid timber and engineered wood products, but also material behaviour and properties on a wood element level. Produced by internationally renowned experts in the field, this book represents the state of the art in research on the understanding of the material behaviour of solid wood and engineered wood products. There is no comparable compendium currently available on the topic - the subjects represented include the most recent phenomena of timber engineering and the newest development of practice-related research. Grouped into three different sections, 'Basic properties of wood-based structural elements', 'Design aspects on timber structures' and 'Joints and structural assemblies', this book focuses on key issues in the understanding of: timber as a modern engineered construction material with controlled and documented properties the background for design of structural systems based on timber and engineered wood products the background for structural design of joints in structural timber systems Furthermore, this invaluable book contains advanced teaching material for all technical schools and universities involved in timber engineering. It also provides an essential resource for timber engineering students and researchers, as well as practicing structural and civil engineers.

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### LYMPHEDEMA

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### A CONCISE COMPENDIUM OF THEORY AND PRACTICE

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**Springer** The second edition of this book serves as a central source of theoretical and practical knowledge to optimize the evaluation and treatment of patients with lymphedema. The book covers all aspects of the disease from anatomical and histological features to diagnosis as well as physical/medical and surgical management of the disease. Updated from the first edition to reflect the substantial progress in diagnostics, medical care and surgical intervention for this patient population, this volume has been reorganized to meet today's practice requirements. It addresses the challenges faced by clinicians in the management of chronic lymphedema enabling them to meet the medical needs of this large patient community. Edited by world leaders in Vascular Medicine and Surgery, this comprehensive volume provides clear, concise background and recommendations in an easy-to-use format. It is a valuable reference tool for clinical practitioners (physicians/nurse practitioners/technicians) who wish to deliver state-of-the-art health care to their patients with lymphatic and venous disorders.

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## SAFETY OF HISTORICAL STONE ARCH BRIDGES

Springer Science & Business Media Historical stone arch bridges are still a major part of the infrastructure in many countries. Although this type of bridge has proven to be an efficient construction type, it often poses the problem of insufficient numerical models of the load bearing behavior. Therefore the book introduces methods to adapt life loads and introduces different types of numerical models of the load resistance respectively. The book continues with the introduction of specific damages and strengthening techniques. The book particularly focuses on the probabilistic safety assessment of historical arch bridges, for which often only limited material and structural data is available.

## NEW LIBRARIES IN OLD BUILDINGS

### CREATIVE REUSE

Walter de Gruyter GmbH & Co KG This book focuses on difficulties and opportunities in revitalization of old, derelict or abandoned buildings into a library and investigates the transformation of buildings which originally had a different purpose. The publication shows worldwide best practice examples from different types of libraries in historic environments, both urban and rural, while maintaining a focus on sustainability concerning the architecture and interior design.

## THE GLACIERS OF ICELAND

### A HISTORICAL, CULTURAL AND SCIENTIFIC OVERVIEW

Springer This book is the first comprehensive overview and evaluation of the origins, history and current size and condition of all of Iceland's major glaciers (including Vatnajökull, the largest in Europe) at the beginning of the twenty-first century. It is not only illustrated with many beautiful photographs and graphs of recent statistics and scientific data, but is also a collection of historical writings and drawings from annals, sagas, folk tales, diaries, reports, stories and poems, as it presents a unique approach to the study of glaciers on an island in the North Atlantic. Balancing and comparing the world of man with the world of nature, the perceptions of art and culture with the systematic and pragmatic analyses of science, The Glaciers of Iceland present a wide spectrum of readers with a new and stimulating view of the origins, development and possible future of these massive natural phenomena, as well as the study and role of glaciology, within specific time lines and geographical locations. Icelandic glaciers the author argues could prove essential for understanding the current unsettling progress of global warming. The glaciers of Iceland, therefore, aims at presenting to a wide readership an original, historical, cultural and scientific overview of these geophysical features in Iceland while also suggesting increasingly important lessons and models for man's future interaction with the world's glaciers as a whole.

## RIVERBANK FILTRATION

### IMPROVING SOURCE-WATER QUALITY

Springer Science & Business Media Chittaranjan Ray, Ph. D. , P. E. University of Hawaii at Mānoa Honolulu, Hawaii, United States Jürgen Schubert, M. Sc. Stadtwerke Düsseldorf AG Düsseldorf, Germany Ronald B. Linsky National Water Research Institute Fountain Valley, California, United States Gina Melin National Water Research Institute Fountain Valley, California, United States 1. What is Riverbank Filtration? The purpose of this book is to show that riverbank filtration (RBF) is a low-cost and efficient alternative water treatment for drinking-water applications. There are two immediate benefits to the increased use of RBF: Minimized need for adding chemicals like disinfectants and coagulants to surface water to control pathogens. Decreased costs to the community without increased risk to human health. But what, exactly, is RBF? In humid regions, river water naturally percolates through the ground into aquifers (which are layers of sand and gravel that contain water underground) during high-flow conditions. In arid regions, most rivers lose flow, and the percolating water passes through soil and aquifer material until it reaches the water table. During these percolation processes, potential contaminants present in river water are filtered and attenuated. If there are no other contaminants present in the aquifer or if the respective contaminants are present at lower concentrations, the quality of water in the aquifer can be of higher quality than that found in the river. In RBF, production wells — which are placed near the banks of rivers — pump large quantities of water.

## THERMAL PROCESSING OF FOOD

### POTENTIAL HEALTH BENEFITS AND RISKS

John Wiley & Sons This is the latest and most authoritative documentation of current scientific knowledge regarding the health effects of thermal food processing. Authors from all over Europe and the USA provide an international perspective, weighing up the risks and benefits. In addition, the contributors outline those areas where further research is necessary.

## MACHINE LEARNING

This book covers the field of machine learning, which is the study of algorithms that allow computer programs to automatically improve through experience. The book is intended to support upper level undergraduate and introductory level graduate courses in machine learning.

## NUTRITION, WELL-BEING AND HEALTH

BoD - Books on Demand In our modern society, expectations are high, also with respect to our daily diet. In addition to being merely "nutritious", i.e. supplying a variety of essential nutrients, including macro-nutrients such as proteins or micro-nutrients such as minerals and vitamins, it is almost expected that a good diet offers further advantages - especially well-being and health and the prevention of chronic diseases, which are, as we generally tend to grow older and older, becoming a burden to enjoying private life and to the entire society. These additional qualities are often sought in diets rich also in non-nutritive components, such as phytochemicals. In contrast to drugs, which are taken especially to cure or ameliorate diseases, it is expected that a healthy diet acts in particular on the side of prevention, allowing us to become old without feeling old. In the present book, rather than trying to give an exhaustive overview on nutritional aspects and their link to well-being and health, selected topics have been chosen, intended to address presently discussed key issues of nutrition for health, presenting a reasonable selection of the manifold topics around diet, well-being, and health: from the antioxidants polyphenols and carotenoids, aroma-active terpenoids, to calcium for bone health, back to traditional Chinese Medicine.

## THE BOOK OF THE DEAD

BoD - Books on Demand **Reproduction of the original: The Book of the Dead by E. A. Wallis Budge**

## EMPATHY IN PATIENT CARE

### ANTECEDENTS, DEVELOPMENT, MEASUREMENT, AND OUTCOMES

Springer Science & Business Media Human beings, regardless of age, sex, or state of health, are designed by evolution to form meaningful interpersonal relationships through verbal and nonverbal communication. The theme that empathic human connections are beneficial to the body and mind underlies all 12 chapters of this book, in which empathy is viewed from a multidisciplinary perspective that includes evolutionary biology; neuropsychology; clinical, social, developmental, and educational psychology; and health care delivery and

education.

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## ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS. THE PATH TO INTELLIGENT, COLLABORATIVE AND SUSTAINABLE MANUFACTURING

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### IFIP WG 5.7 INTERNATIONAL CONFERENCE, APMS 2017, HAMBURG, GERMANY, SEPTEMBER 3-7, 2017, PROCEEDINGS, PART II

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**Springer** The two-volume set IFIP AICT 513 and 514 constitutes the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2017, held in Hamburg, Germany, in September 2017. The 121 revised full papers presented were carefully reviewed and selected from 163 submissions. They are organized in the following topical sections: smart manufacturing system characterization; product and asset life cycle management in smart factories of industry 4.0; cyber-physical (IIoT) technology deployments in smart manufacturing systems; multi-disciplinary collaboration in the development of smart product-service solutions; sustainable human integration in cyber-physical systems: the operator 4.0; intelligent diagnostics and maintenance solutions; operations planning, scheduling and control; supply chain design; production management in food supply chains; factory planning; industrial and other services; operations management in engineer-to-order manufacturing; gamification of complex systems design development; lean and green manufacturing; and eco-efficiency in manufacturing operations.

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## CATALOGUE OF RISKS

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### NATURAL, TECHNICAL, SOCIAL AND HEALTH RISKS

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**Springer Science & Business Media** Since the German edition of this book, the topic of risk has experienced even greater attention, not only in the world of science but also in other fields, such as economics and politics. Therefore, many new publications have evolved. To keep with the idea of an encyclopedia for the topic of risk, this book has been completely reworked. Not only are many updated examples included in chapter "Risks and disasters" but also new chapters have been introduced, such as the chapter "Indetermination and risk". This new chapter was developed since the question "Is it possible for risks to be completely eliminated, and if not why?" has become a major point of concern. Therefore, especially in this chapter, the focus of the book has - tended from a simple mathematical or engineering point of view to include much broader concepts. Here, not only aspects of system theory have to be considered, but also some general philosophical questions start to influence the considerations of the topic of risk. The main goal of this edition, however, is not only the extension and revision of the book, but also the translation into the English language to allow more readers access to the ideas of the book. The author deeply hopes that the success the book made in the German edition continues and that readers experience a major gain from reading the book.

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## WATER RESOURCES QUALITY AND MANAGEMENT IN BALTIC SEA COUNTRIES

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**Springer Nature** This unique book shares the knowledge and experience of experts and scientists who apply high-quality findings and input from their research to issues concerning the management of water resources and their quality in Baltic countries including Poland, Lithuania, Latvia, Germany and Russia. It summarizes the latest results of several systematic investigations, and assesses the occurrence and quality of surface and underground waters within the Baltic countries to help decision-makers plan for sustainable development. The book addresses a range of water resources management issues, especially those that are relevant to the water quality in these Baltic countries. It presents cutting-edge information and findings that can be effectively used to solve a variety of problems in integrated water resources management. Accordingly, it will be of interest to graduate students, researchers, water scientists, professionals, experts and practitioners working in water resources management.

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## MACHINE LEARNING, OPTIMIZATION, AND DATA SCIENCE

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### 4TH INTERNATIONAL CONFERENCE, LOD 2018, VOLTERRA, ITALY, SEPTEMBER 13-16, 2018, REVISED SELECTED PAPERS

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**Springer** This book constitutes the post-conference proceedings of the 4th International Conference on Machine Learning, Optimization, and Data Science, LOD 2018, held in Volterra, Italy, in September 2018. The 46 full papers presented were carefully reviewed and selected from 126 submissions. The papers cover topics in the field of machine learning, artificial intelligence, reinforcement learning, computational optimization and data science presenting a substantial array of ideas, technologies, algorithms, methods and applications.

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## HANDBOOK OF AFRICAN MEDICINAL PLANTS, SECOND EDITION

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**CRC Press** With over 50,000 distinct species in sub-Saharan Africa alone, the African continent is endowed with an enormous wealth of plant resources. While more than 25 percent of known species have been used for several centuries in traditional African medicine for the prevention and treatment of diseases, Africa remains a minor player in the global natural products market largely due to lack of practical information. This updated and expanded second edition of the Handbook of African Medicinal Plants provides a comprehensive review of more than 2,000 species of plants employed in indigenous African medicine, with full-color photographs and references from over 1,100 publications. The first part of the book contains a catalog of the plants used as ingredients for the preparation of traditional remedies, including their medicinal uses and the parts of the plant used. This is followed by a pharmacognostical profile of 170 of the major herbs, with a brief description of the diagnostic features of the leaves, flowers, and fruits and monographs with botanical names, common names, synonyms, African names, habitat and distribution, ethnomedicinal uses, chemical constituents, and reported pharmacological activity. The second part of the book provides an introduction to African traditional medicine, outlining African cosmology and beliefs as they relate to healing and the use of herbs, health foods, and medicinal plants. This book presents scientific documentation of the correlation between the observed folk use and demonstrable biological activity, as well as the characterized constituents of the plants.

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## WHO MONOGRAPHS ON SELECTED MEDICINAL PLANTS

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**World Health Organization** This is the second volume in a series of monographs which are intended to promote information exchange and international harmonised standards for the quality control and use of herbal medicines. It contains scientific information on 30 selected plants, and each entry includes a pharmacopoeial summary for quality assurance purposes, information on its clinical application and sections on contraindications, pharmacology, safety issues, and dosage forms. It provides two cumulative indexes with entries in alphabetical order by plant name and according to the plant material of interest.

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## YOGURT IN HEALTH AND DISEASE PREVENTION

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**Academic Press** Yogurt in Health and Disease Prevention examines the mechanisms by which yogurt, an important source of micro- and macronutrients, impacts human nutrition, overall health, and disease. Topics covered include yogurt consumption's impact on overall diet quality, allergic disorders, gastrointestinal tract health, bone health, metabolic syndrome, diabetes, obesity, weight control, metabolism, age-related disorders, and cardiovascular health. Modifications to yogurt are also covered in scientific detail, including altering the protein to carbohydrate ratios, adding n-3 fatty acids, phytochemical enhancements, adding whole grains, and supplementing with various micronutrients. Prebiotic, probiotic, and synbiotic yogurt component are also covered to give the reader a comprehensive understanding of the various impacts yogurt and related products can have on human health. Health coverage encompasses nutrition, gastroenterology, endocrinology, immunology, and cardiology Examines novel and unusual yogurts as well as popular and common varieties Covers effects on diet, obesity, and weight control Outlines common additives to yogurts and their respective effects Reviews prebiotics, probiotics, and symbiotic yogurts Includes practical information on how yogurt may be modified to improve its nutritive value

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## SCIENTIFIC BABEL

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### HOW SCIENCE WAS DONE BEFORE AND AFTER GLOBAL ENGLISH

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[University of Chicago Press](#) English is the language of science today. No matter which languages you know, if you want your work seen, studied, and cited, you need to publish in English. But that hasn't always been the case. Though there was a time when Latin dominated the field, for centuries science has been a polyglot enterprise, conducted in a number of languages whose importance waxed and waned over time—until the rise of English in the twentieth century. So how did we get from there to here? How did French, German, Latin, Russian, and even Esperanto give way to English? And what can we reconstruct of the experience of doing science in the polyglot past? With *Scientific Babel*, Michael D. Gordin resurrects that lost world, in part through an ingenious mechanism: the pages of his highly readable narrative account teem with footnotes—not offering background information, but presenting quoted material in its original language. The result is stunning: as we read about the rise and fall of languages, driven by politics, war, economics, and institutions, we actually see it happen in the ever-changing web of multilingual examples. The history of science, and of English as its dominant language, comes to life, and brings with it a new understanding not only of the frictions generated by a scientific community that spoke in many often mutually unintelligible voices, but also of the possibilities of the polyglot, and the losses that the dominance of English entails. Few historians of science write as well as Gordin, and *Scientific Babel* reveals his incredible command of the literature, language, and intellectual essence of science past and present. No reader who takes this linguistic journey with him will be disappointed.

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### COMPLEXITY EXPLAINED

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[Springer Science & Business Media](#) This book explains why complex systems research is important in understanding the structure, function and dynamics of complex natural and social phenomena. It illuminates how complex collective behavior emerges from the parts of a system, due to the interaction between the system and its environment. Readers will learn the basic concepts and methods of complex system research. The book is not highly technical mathematically, but teaches and uses the basic mathematical notions of dynamical system theory, making the book useful for students of science majors and graduate courses.

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### MITOCHONDRIA AND ANAEROBIC ENERGY METABOLISM IN EUKARYOTES

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#### BIOCHEMISTRY AND EVOLUTION

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[Walter de Gruyter GmbH & Co KG](#) Mitochondria are sometimes called the powerhouses of eukaryotic cells, because mitochondria are the site of ATP synthesis in the cell. ATP is the universal energy currency, it provides the power that runs all other life processes. Humans need oxygen to survive because of ATP synthesis in mitochondria. The sugars from our diet are converted to carbon dioxide in mitochondria in a process that requires oxygen. Just like a fire needs oxygen to burn, our mitochondria need oxygen to make ATP. From textbooks and popular literature one can easily get the impression that all mitochondria require oxygen. But that is not the case. There are many groups of organisms known that make ATP in mitochondria without the help of oxygen. They have preserved biochemical relicts from the early evolution of eukaryotic cells, which took place during times in Earth history when there was hardly any oxygen available, certainly not enough to breathe. How the anaerobic forms of mitochondria work, in which organisms they occur, and how the eukaryotic anaerobes that possess them fit into the larger picture of rising atmospheric oxygen during Earth history are the topic of this book.

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### PHILOSOPHY OF GLOBALIZATION

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[Walter de Gruyter GmbH & Co KG](#) Not so long ago, it seemed the intellectual positions on globalization were clear, with advocates and opponents making their respective cases in decidedly contrasting terms. Recently, however, the fronts have shifted dramatically. The aim of this publication is to contribute philosophical depth to the debates on globalization conducted within various academic fields - principally by working out its normative dimensions. The interdisciplinary nature of this book's contributors also serves to scientifically ground the ethical-philosophical discourse on global responsibility. Though by no means exhaustive, the expansive scope of the works herein encompasses such other topics as the altering consciousness of space and time, and the phenomenon of globalization as a discourse, as an ideology and as a symbolic form.

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### THEATER AS METAPHOR

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[Walter de Gruyter GmbH & Co KG](#) The papers of the present volume investigate the potential of the metaphor of life as theater for literary, philosophical, juridical and epistemological discourses from the Middle Ages through modernity, and focusing on traditions as manifold as French, Spanish, Italian, German, Russian and Latin-American.

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### DRUG DISCOVERY AND EVALUATION

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#### PHARMACOLOGICAL ASSAYS

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[Springer Science & Business Media](#) This reference book contains a comprehensive selection of the most frequently used assays for reliably detecting pharmacological effects of potential drugs, including tests for cardiovascular, analgesic, psychotropic, metabolic, endocrine, respiratory, renal, and immunomodulatory activities. Each of the over 700 assays comprises a detailed protocol with the purpose and rationale of the method, a description of the experimental procedure, a critical assessment of the results and their pharmacological and clinical relevance, and pertinent references. Identification of specific tests is facilitated by the enclosed CD-ROM which allows for a quick and full text research. An appendix with guidelines and legal regulations for animal experiments in various countries will help to plan these experiments properly in accordance with the welfare of laboratory animals.

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### THE FATEFUL JOURNEY

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#### THE EXPEDITION OF ALEXINE TINNE AND THEODOR VON HEUGLIN IN SUDAN (1863-1864)

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[Amsterdam University Press](#) Bold, headstrong, and fabulously wealthy, Dutch traveller Alexine Tinne (1834–1869) made several excursions into the African interior, often accompanied by her mother, at a time when very few European women traveled. The *Fateful Journey* follows her trip with German zoologist Theodor von Heuglin, which took them through Egypt and Sudan in search of adventure and unknown regions in Central Africa. Drawing upon four years of research in the Tinne archives, and including never before published correspondence, photographs, and other documents, Robert Joost Willink presents a compelling account of their journey and its tragic ending. This exciting volume not only sheds light on Tinne's life and times, it also offers captivating insights into the world of European adventurers in the 19th century. An enthralling mix of adventure and careful scholarship, *The Fateful Journey* creates a powerful portrait of Alexine Tinne throughout her life, from her start as a rich heiress in the Netherlands to her end as the intrepid explorer who risked—and lost—everything on a daring, doomed quest.

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### ESGOP MONOGRAPHS

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#### THE SCIENTIFIC FOUNDATION FOR HERBAL MEDICINAL PRODUCTS

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Sixty ESCOP monographs were published during the late 1990s. All have been updated and expanded, and this second edition includes a further twenty monographs. The text constitutes an up-to-date review of scientific information on the therapeutic uses of herbal medicines.

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**BOOK OF THE DEAD**

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**BECOMING GOD IN ANCIENT EGYPT**

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[Oriental Institute Press](#) Discover how the ancient Egyptians controlled their immortal destiny! This book, edited by Foy Scalf, explores what the Book of the Dead was believed to do, how it worked, how it was made, and what happened to it.

**BIG DATA IN ORGANIZATIONS AND THE ROLE OF HUMAN RESOURCE MANAGEMENT**

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**A COMPLEX SYSTEMS THEORY-BASED CONCEPTUALIZATION**

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[Peter Lang GmbH, Internationaler Verlag Der Wissenschaften](#) Big data are changing the way we work. This book conveys a theoretical understanding of big data and the related interactions on a socio-technological level as well as on the organizational level. Big data challenge the human resource department to take a new role. An organization's new competitive advantage is its employees augmented by big data.

**ADDITIVES FOR COATINGS**

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[Wiley-VCH](#) No doubt: A perfect coating has to look brilliant! But other properties of coatings are also most important. Coatings have to be durable, tough and easily applicable. Additives are the key to success in achieving these characteristics, even though the amounts used in coating formulations are small. It is not trivial at all to select the best additives. In practice, many series of tests are often necessary, and the results do not explain, why a certain additive improves the quality of a coating and another one impairs the coating. This book is dedicated to developers and applicants of coatings working in research or production, and it is aimed at providing a manual for their daily work. It will answer the following questions: How do the most important groups of additives act? Which effects can be achieved by their addition? Scientific theories are linked to practical applications. Emphasis is put on the optical aspects that are most important for the applications in practice. This book is a milestone in quality assurance in the complete field of coatings!