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Compressive Strength of Concrete Springer

This is one of the most significant military books of the twentieth century. By an outstanding soldier of independent mind, it pushed forward the evolution of land warfare and was directly responsible for German armoured supremacy in the early years of the Second World War. Published in 1937, the result of 15 years of careful study since his days on the German General Staff in the First World War, Guderian's book argued, quite clearly, how vital the proper use of tanks and supporting armoured vehicles would be in the conduct of a future war. When that war came, just two years later, he proved it, leading his Panzers with distinction in the Polish, French and Russian campaigns. Panzer warfare had come of age, exactly as he had forecast. This first English translation of Heinz Guderian's classic book - used as a textbook by Panzer officers in the war - has an introduction and extensive background notes by the modern English historian Paul Harris.

Molecular Medicine Springer

Applied Plant Biotechnology for Improvement of Resistance to Biotic Stress applies biotechnology insights that seek to improve plant genomes, thus helping them achieve higher resistance and optimal hormone signaling to increase crop yield. The book provides an analysis of the current state-of-the-art in plant biotechnology as applied to improving resistance to biotic stress. In recent years, significant progress has been made towards understanding the interplay between plants and their hosts, particularly the role of plant immunity in regulating, attenuating or neutralizing invading pathogens. As a result, there is a great need to integrate these insights with methods from biotechnology. Applies biotechnology insights towards improving plant genomes, achieving higher resistance and optimizing hormone signaling to increase crop yield Presents the most modern techniques, investigations, diagnostic tools and assays to monitor and detect contaminating agents in crops, such as grape, tomato, coffee and stone fruit Provides encyclopedic coverage of genes, proteins, interaction networks and mechanisms by which plants and hosts seek survival Discusses the methods available to make crops resistant and tolerant to disease without decreased yield or food production Provides insights for policymakers into the difficulties faced by scientific researchers in the use of biotechnology intervention, transgenes and genetically modified sequences

The Semantic Web: ESWC 2017 Satellite Events Humana Press

Population genomics has revolutionized various disciplines of biology including population, evolutionary, ecological and conservation genetics, plant and animal breeding, human health, medicine and pharmacology by allowing to address novel and long-standing questions with unprecedented power and accuracy. It employs large-scale or genome-wide genetic information and bioinformatics to address various fundamental and applied aspects in biology and related disciplines, and provides a comprehensive genome-wide perspective and new insights that were not possible before. These advances have become possible due to the development of new and low-cost sequencing and genotyping technologies and novel statistical approaches and software, bioinformatics tools, and models. Population genomics is tremendously advancing our understanding the roles of evolutionary processes, such as mutation, genetic drift, gene flow, and natural selection, in shaping up genetic variation at individual loci and across the genome and populations; improving the assessment of population genetic parameters or processes such as adaptive evolution, effective population size, gene flow, admixture, inbreeding and outbreeding depression, demography, and biogeography; resolving evolutionary histories and phylogenetic relationships of extant, ancient and extinct species; understanding the genomic basis of fitness, adaptation, speciation, complex ecological and economically important traits, and disease and insect resistance; facilitating forensics, genetic medicine and pharmacology; delineating conservation genetic units; and understanding the genetic effects of resource management practices, and assisting conservation and sustainable management of genetic resources. This Population Genomics book discusses the concepts, approaches, applications and promises of population genomics in addressing most of the above fundamental and applied crucial aspects in a variety of organisms from microorganisms to humans. The book provides insights into a range of emerging population genomics topics including population epigenomics, landscape genomics, seascape genomics, paleogenomics, ecological and evolutionary genomics, biogeography, demography, speciation, admixture, colonization and invasion, genomic selection, and plant and animal domestication. This book fills a vacuum in the field and is expected to become a primary reference in Population Genomics world-wide.

Methods and Protocols Royal Society of Chemistry

Deception detection has traditionally been characterized by approaches which analyze different aspects of deception such as verbal content, non-verbal behavior and polygraph testing. Recent intensive research in this field has resulted in an impressive corpus of cutting-edge knowledge. The contributions of international experts in this volume provide a valuable resource for academics, students and practitioners in the legal domain.

Select Proceedings of ETAEERE 2020 Gulf Professional Publishing

A history of the intimate and ongoing relationship between hospitals and infections.

Chromatographic Methods in Metabolomics Spon Press

This book provides a comprehensive view of metabolomics, from the basic concepts, through sample preparation and analytical methodologies, to data interpretation and applications in medicine. It is the first volume to cover metabolomics clinical applications while also emphasizing analytical and statistical features. Moreover, future trends and perspectives in clinical metabolomics are also presented. For researches already experienced in metabolomics, the book will be useful as an updated definitive reference. For beginners in the field and graduate students,

the book will provide detailed information about concepts and experimental aspects in metabolomics, as well as examples and perspectives of applications of this strategy to clinical questions.

Liberal Origins and Neoliberal Trends Humana Press

This book comprises select proceedings of the international conference ETAEERE 2020, and focuses on contemporary issues in energy management and energy efficiency in the context of power systems. The contents cover modeling, simulation and optimization based studies on topics like medium voltage BTB system, cost optimization of a ring frame unit in textile industry, rectenna for RF energy harvesting, ecology and energy dimension in infrastructural designs, study of AGC in two area hydro thermal power system, energy-efficient and reliable depth-based routing protocol for underwater wireless sensor network, and power line communication. This book can be beneficial for students, researchers as well as industry professionals.

In Silico Life Sciences: Medicine Cambridge University Press

The book addresses the problem of accuracy of spatial databases, and comprises of papers drawn from a wide range of physical and human systems, taking approaches which vary from statistical to descriptive. Together they present both a comprehensive review of existing knowledge, techniques and experience, and an analysis of critical research needs in this area of spatial data handling.

The Palgrave Handbook of Deceptive Communication Springer

Surrounded by lies and deceit how do you work out who is telling the truth? When highly decorated war hero, Colonel Tariq joins the intelligence agency, his rise to the top seems assured. But in his first case he discovers a CIA agent has killed a young prostitute and a diplomatic crisis erupts.As the two nations negotiate, angry mobs take to the streets and he is caught up in a national scandal. Tariq is instructed to eliminate the only witness and instigate a cover up, trapping him in a terrible moral dilemma. As his professional ambition and private life collide, he must make a life changing decision that will have far reaching consequences for the future of his family and his country.

Global and Psychosocial Perspectives Cambridge University Press

The Potato CropIts Agricultural, Nutritional and Social Contribution to HumankindSpringer Nature A New English-Hindustani Dictionary Bloomsbury Publishing 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.

Methods and Protocols Humana

This book assembles recent research on memory and learning in plants. Organisms that share a capability to store information about experiences in the past have an actively generated background resource on which they can compare and evaluate coming experiences in order to react faster or even better. This is an essential tool for all adaptation purposes. Such memory/learning skills can be found from bacteria up to fungi, animals and plants, although until recently it had been mentioned only as capabilities of higher animals. With the rise of epigenetics the context dependent marking of experiences on the genetic level is an essential perspective to understand memory and learning in organisms. Plants are highly sensitive organisms that actively compete for environmental resources. They assess their surroundings, estimate how much energy they need for particular goals, and then realize the optimum variant. They take measures to control certain environmental resources. They perceive themselves and can distinguish between ‘ self ’ and ‘ non-self ’ . They process and evaluate information and then modify their behavior accordingly. The book will guide scientists in further investigations on these skills of plant behavior and on how plants mediate signaling processes between themselves and the environment in memory and learning processes.

Essentials of Bioinformatics, Volume II Manchester Capitalism Mup

This wide-ranging collection analyzes the status and advancement of women both in a national context and collectively on a global scale, as a powerful social force in a rapidly evolving world. The countries studied—China, India, Indonesia, Iran, Egypt, Cameroon, South Africa, Italy, France, Brazil, Belize, Mexico, and the United States—represent a cross-section of economic conditions, cultural and religious traditions, political realities, and social contexts that shape women ’ s lives, challenges, and opportunities. Psychological and human rights perspectives highlight worldwide goals for equality and empowerment, with implications for today ’ s girls as they become the next generation of women. Throughout these chapters, women ’ s lived experience is compared and contrasted in such critical areas as: Home and work lives Physical, medical, and psychological issues Safety and violence Sexual and reproductive concerns Political participation and status under the law Impact of technology and globalism Country-specific topics Women's Evolving Lives is a forward-facing reference for psychology professionals of varied disciplines, as well as for colleagues in other fields, including women ’ s and gender studies, sociology, anthropology, international studies, and education. The wide scope of concerns also makes this anthology relevant and instructive to readers in diverse non-academic settings.

Strategizing Management Accounting The Potato CropIts Agricultural, Nutritional and Social Contribution to Humankind

As the tragedy of the Grenfell tower fire has slowly revealed a shadowy background of outsourcing, private finance initiatives and a council turning a blind eye to health and safety concerns, many questions need answers. Stuart Hodgkinson has those answers. He has worked for the last decade with residents groups in council regeneration projects across London. As residents have been shifted out of 60s and 70s social housing to make way for higher rent paying newcomers, they have been promised a higher quality of housing. Councils have passed the responsibility for this housing to private consortia who amazingly have been allowed to self-

regulate on quality and safety. Residents have been ignored for years on this and only now are we hearing the truth. Stuart will weave together his research on PFIs, regulation and resident action to tell the whole story of how Grenfell happened and how this could easily have happened in multiple locations across the country.

Plant-Pathogen Interactions Springer Nature

Plant-Pathogen Interactions: Methods and Protocols, Second Edition expands upon the first edition with current, detailed protocols for the study of plant pathogen genome sequences. It contains new chapters on techniques to help identify and characterize effectors and to study their impacts on host immunity and their roles in pathogen biology. Additional chapters focus on protocols to identify avirulence and resistance genes, investigate the roles of effector targets and other defence-associated proteins in plant immunity. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols and tips on troubleshooting and avoiding known pitfalls. Authoritative and cutting-edge, Plant-Pathogen Interactions: Methods and Protocols, Second Edition seeks to aid scientists in the further study of plant immunity.

Methods and Protocols Good Press

Pythium is one of the most important phytopathogens causing significant damage to agriculture, forest, and nurseries, etc. It is an unseen enemy of the root zone of various plants and hence considered as "hidden terror" for a number of plants. An accurate diagnosis and identification of Pythium causing various infections in plants is very important because it is often confused with several other fungi. Pythium infections are difficult to control once they have set in. Therefore, its effective and ecofriendly management is of paramount importance. In addition, there are many reports on Pythium causing infections in human beings and animals. The present book on Pythium focuses on various aspects which mainly include pathogenesis, technological developments in detection and diagnosis, and its management. Key Features Includes identification of Pythium spp. by traditional and molecular methods Deals with different diseases caused by Pythium spp Describes the role of Pythium in mammalian diseases Incorporates various management strategies Discusses emerging role of nanotechnological tools for the management of Pythium diseases

Two Thousand Years in Dendi, Northern Benin Springer

It is well-established, through extensive peer-reviewed published research, that physical activity and exercise training can impact the reproductive endocrine system of women. This ground-breaking, comprehensive title presents a range of unique insights into the opposite question: how the reproductive endocrine system of women affects their exercise ability. More precisely, the thematic question explored in this work is: if exercise affects reproductive hormones, conversely then could the reproductive hormones have physiological effects unrelated to reproduction that influence the capacity of women to exercise? In exploring this question, the goal is to better understand the unique physiology of women and whether female sex hormones might account for some of the variance in physiological performance between amenorrheic and eumenorrheic women, and within women across the age span as they experience menarche to menopause. Sex Hormones, Exercise and Women: Scientific and Clinical Aspects synthesizes the research by exploring the physiology and psychology behind these occurrences. This novel title will not only be of interest to researchers, exercise scientists, graduate students, and clinicians; it will also serve as a source of valuable information for female athletes and their trainers in the context of preparing for competitions.

Hospital Infection: From Miasmas to MRSA Springer

A History of the Greek Language is a kaleidoscopic collection of ideas on the development of the Greek language through the centuries of its existence.

Subjectification Academic Press

This book constitutes the thoroughly refereed post-conference proceedings of the Satellite Events of the 14th European Conference on the Semantic Web, ESWC 2017, held in Portoroz, Slovenia, in May/June2017. The volume contains 8 poster and 24 demonstration papers, selected from 105 submissions. Additionally, this book includes a selection of 13 best workshop papers. The papers cover various aspects of the semantic web. The chapter 'Scholia, Scientometrics and Wikidata' is available open access under a CC BY 4.0 license via link.springer.com.

Its Agricultural, Nutritional and Social Contribution to Humankind Humana

In a study of archaeological sites, standing remains, oral traditions and craft industries, Two Thousand Years in Dendi, Northern Benin offers the first account of a West African region often described as a crossroads of medieval empires.