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Big Data and Security - Yuan Tian 2020-08-13

This book constitutes the refereed proceedings of the First International Conference on Big Data and Security, ICBDS 2019, held in Nanjing, China, in December 2019. The 37 revised full papers and 12 short papers were carefully reviewed and selected out of 251 submissions. The papers included in this book cover topics in cybersecurity & privacy, big data, blockchain &

internet of things, security in cloud and fog computing, and artificial intelligence/ machine learning security.

Sulfur - Joseph Jez 2008
Sulfur forms and cycling processes in soil and their relationship to sulfur fertility / Jeff J. Schoenau and Sukhdev S. Malhi -- Sulfur nutrition of crops in the Indo-Gangetic plains of South Asia / M.P.S. Khurana, U.S. Sandana and Bijay-Singh -- Soil sulfur cycling temperate agricultural

systems / Jørgen Eriksen -- History of sulfur deficiency in crops / Silvia Haneklaus, Elke Bloem and Ewald Schnug -- Availability of sulfur to crops from soil and other sources / Warren A. Dick, David Kost and Liming Chen -- Sulfur and cysteine metabolism / Rainer Hoefgen and Holger Hesse -- Sulfur response based on crop, source, and landscape position / Dave Franzen and Cynthia A. Grant -- Sulfur management for soybean production / Kiyoko Hitsuda [and others] -- Sulfur in a fertilizer program for corn / George W. Rehm and John G. Clapp -- Sulfur nutrition and wheat quality / Hamid A. Naeem -- Sulfur and marketable yield of potato / Alexander D. Pavlista -- Sulfur, its role in onion production and related alliums / George E. Boyhan -- Sulfur and the production of rice in wetland and dryland ecosystems / Richard W. Bell -- Evaluation of the relative significance of sulfur and other essential mineral elements in oilseed rape, cereals, and sugar beet production / Ewald Schnug and

Silvia Haneklaus -- Improving the sulfur-containing amino acids of soybean to enhance its nutritional value in animal feed / Hari B. Krishnan -- Methionine metabolism in plants / Rachel Amir and Yael Hacham -- Plant sulfur compounds and human health / Joseph M. Jez and Naomi K. Fukagawa -- A future crop biotechnology view of sulfur and selenium / Muhammad Sayyar Khan and Rüdiger Hell. *Information and Knowledge in Internet of Things* Teresa Guarda 2021-10-06 This book provides readers with an insight into information and knowledge in the Internet of Things, in particular an investigation of data management and processing, information extraction, technology, knowledge management, knowledge sharing, knowledge co-creation, knowledge integration, and the development of new intelligent services available anytime, anywhere, by anyone. The authors show how IoT enables communication and ubiquitous

computing between global citizens, networked machines and physical objects, providing a promising vision of the future integrating the real world of knowledge agents and things with the virtual world of information.

Plant Abiotic Stress Tolerance -
Mirza Hasanuzzaman
2019-04-04

Plants have to manage a series of environmental stresses throughout their entire lifespan. Among these, abiotic stress is the most detrimental; one that is responsible for nearly 50% of crop yield reduction and appears to be a potential threat to global food security in coming decades. Plant growth and development reduces drastically due to adverse effects of abiotic stresses. It has been estimated that crop can exhibit only 30% of their genetic potentiality under abiotic stress condition. So, this is a fundamental need to understand the stress responses to facilitate breeders to develop stress resistant and stress tolerant cultivars along with good management

practices to withstand abiotic stresses. Also, a holistic approach to understanding the molecular and biochemical interactions of plants is important to implement the knowledge of resistance mechanisms under abiotic stresses. Agronomic practices like selecting cultivars that is tolerant to wide range of climatic condition, planting date, irrigation scheduling, fertilizer management could be some of the effective short-term adaptive tools to fight against abiotic stresses. In addition, “system biology” and “omics approaches” in recent studies offer a long-term opportunity at the molecular level in dealing with abiotic stresses. The genetic approach, for example, selection and identification of major conditioning genes by linkage mapping and quantitative trait loci (QTL), production of mutant genes and transgenic introduction of novel genes, has imparted some tolerant characteristics in crop varieties from their wild ancestors.

Recently research has revealed

the interactions between micro-RNAs (miRNAs) and plant stress responses exposed to salinity, freezing stress and dehydration. Accordingly transgenic approaches to generate stress-tolerant plant are one of the most interesting researches to date. This book presents the recent development of agronomic and molecular approaches in conferring plant abiotic stress tolerance in an organized way. The present volume will be of great interest among research students and teaching community, and can also be used as reference material by professional researchers.

Nitrogen Fixation - 2020-04-08

Biological nitrogen fixation (BNF), the process by which gaseous N₂ is converted into ammonia (NH₃) via the enzyme nitrogenase, is crucial for the availability of nitrogen (N) in the terrestrial ecosystem. Some bacteria have the remarkable capacity to fix atmospheric nitrogen to ammonia under ambient conditions, a reaction only mimicked on an industrial scale

by a chemical process. This microbiological process converts atmospheric nitrogen into a plant-usable form, thus decreasing the need to use chemical fertilizers in crop production. Chapters in this volume cover different aspects of this fantastic phenomenon, including biofertilizer, organic nitrogen in agricultural systems, nitrogen fertilization for sustainable crop production, and others. This book is designed for researchers, students and general readers.

National Directory of Crop Protection - Umar Khan Baloch 1993

Afghani stan' s Isl am Nile Green 2017

"This book provides the first ever overview of the history and development of Islam in Afghanistan. It covers every era from the conversion of Afghanistan through the medieval and early modern periods to the present day. Based on primary sources in Arabic, Persian, Pashto, Urdu and Uzbek, its depth and scope

of coverage is unrivalled by any existing publication on Afghanistan. As well as state-sponsored religion, the chapters cover such issues as the rise of Sufism, Sharia, women's religiosity, transnational Islamism and the Taliban. Islam has been one of the most influential social and political forces in Afghan history. Providing idioms and organizations for both anti-state and anti-foreign mobilization, Islam has proven to be a vital socio-political resource in modern Afghanistan. Even as it has been deployed as the national cement of a multi-ethnic 'Emirate' and then 'Islamic Republic,' Islam has been no less a destabilizing force in dividing Afghan society. Yet despite the universal scholarly recognition of the centrality of Islam to Afghan history, its developmental trajectories have received relatively little sustained attention outside monographs and essays devoted to particular moments or movements. To help develop a more comprehensive,

comparative and developmental picture of Afghanistan's Islam from the eighth century to the present, this edited volume brings together specialists on different periods, regions and languages. Each chapter forms a case study 'snapshot' of the Islamic beliefs, practices, institutions and authorities of a particular time and place in Afghanistan"--Provided by publishe

Sentiment Analysis Bing Liu
2020-09-30

Sentiment analysis is the computational study of people's opinions, sentiments, emotions, moods, and attitudes. This fascinating problem offers numerous research challenges, but promises insight useful to anyone interested in opinion analysis and social media analysis. This comprehensive introduction to the topic takes a natural-language-processing point of view to help readers understand the underlying structure of the problem and the language constructs commonly used to express opinions, sentiments, and

emotions. The book covers core areas of sentiment analysis and also includes related topics such as debate analysis, intention mining, and fake-opinion detection. It will be a valuable resource for researchers and practitioners in natural language processing, computer science, management sciences, and the social sciences. In addition to traditional computational methods, this second edition includes recent deep learning methods to analyze and summarize sentiments and opinions, and also new material on emotion and mood analysis techniques, emotion-enhanced dialogues, and multimodal emotion analysis.

Modeling, Control and Drug Development for COVID-19 Outbreak Prevention -

Ahmad Taher Azar 2021

This book is well-structured book which consists of 31 full chapters. The book chapters' deal with the recent research problems in the areas of modeling, control and drug development, and it presents various techniques of

COVID-19 outbreak prevention modeling. The book also concentrates on computational simulations that may help speed up the development of drugs to counter the novel coronavirus responsible for COVID-19.

The Europa World of Learning - Joseph Bascom St. John 2005

Provides: over 26,000 academic institutions, 150,000 staff and officials; extensive coverage of universities, colleges and other centres of learning; and detailed information on over 400 international cultural, scientific and educational organizations.

Recent Trends and Advances in Wireless and IoT-enabled Networks - Mian Ahmad Jan 2019-01-22

The book covers a variety of topics in Information and Communications Technology (ICT) and their impact on innovation and business. The authors discuss various innovations, business and industrial motivations, and impact on humans and the interplay between those factors

in terms of finance, demand, and competition. Topics discussed include the convergence of Machine to Machine (M2M), Internet of Things (IoT), Social, and Big Data. They also discuss AI and its integration into technologies from machine learning, predictive analytics, security software, to intelligent agents, and many more.

Contributions come from academics and professionals around the world. Covers the most recent practices in ICT related topics pertaining to technological growth, innovation, and business; Presents a survey on the most recent technological areas revolutionizing how humans communicate and interact; Features four sections: IoT, Wireless Ad Hoc & Sensor Networks, Fog Computing, and Big Data Analytics.

Halophytes and Biosaline Agriculture - Choukr-AllAh
1995-09-13

"Delineates the unique ability of halophytes to revegetate salt-affected land. Provides easy access to current

information concerning the biology, biogeography, ecophysiology, productivity, and utilization of halophytes. Offers a low-cost approach to reclaiming and rehabilitating saline habitats previously regarded as useless."

Political Communication in Canada - Alex Marland
2014-11-17

Changes in technology and media consumption are transforming the way people communicate about politics. Are they also changing the way politicians communicate to the public? Political

Communication in Canada examines the way political parties, politicians, interest groups, the media, and citizens are using new tactics, tools, and channels to disseminate information, and also investigates the implications of these changes. Drawing on the most recent data, contributors to this volume illustrate shifts in political communication, from the brand-image management of political parties and the prime minister, to the evolving role of political

journalists.

Pakistan Journal of Scientific and Industrial Research - 1995

Papers in ITJEMAST 11(9) 2020 -

International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies publishes a wide spectrum of research and technical articles as well as reviews, experiments, experiences, modelings, simulations, designs, and innovations from engineering, sciences, life sciences, and related disciplines as well as interdisciplinary/cross-disciplinary/multidisciplinary subjects. Original work is required. Article submitted must not be under consideration of other publishers for publications.

The Kingdom of Afghanistan - George Passman Tate 1911

The Serotonin Receptors - Elaine Sanders-Bush 1988
Serotonin (5-HT) was isolated and chemically characterized nearly four decades ago, and is

now generally accepted to function as a neurotransmitter and neuromodulatory agent. Early research focused on the measurement of concentrations, synthesis, and metabolism of 5-HT, and only recently has the focus shifted to characterization of 5-HT receptors. Gaddum and Picarelli first suggested in 1957 that the effect of 5-HT in the guinea pig ileum is mediated by two pharmacologically distinguishable receptors; however, the possibility of dual 5-HT receptors was not explored systematically or successfully until the past decade. It is now clear that more, perhaps many more, subclasses of 5-HT receptors exist. The purpose of this book is to provide an up-to-date report on 5-HT receptors. This is a difficult task considering the astonishing speed at which research in this field is expanding. As the first of what we can expect to be a steady stream of monographs focusing on 5-HT receptors, the book confirms that we are in an

exciting time in the history of 5-HT. For those of us who have been working on 5-HT for many years, our dream of equal progress and recognition with the more extensively studied catecholamines is finally being realized. We now have a Serotonin Club that held its first international scientific meeting in 1987, and several more international meetings are in the planning stages.

Structure and Function of Roots - F. Baluska 2013-11-11

In 1971, the late Dr. J. Kolek of the Institute of Botany, Bratislava, organized the first International Symposium devoted exclusively to plant roots. At that time, perhaps only a few of the participants, gathered together in Tatranska Lomnica, sensed that a new era of root meetings was beginning. Nevertheless, it is now clear that Dr. Kolek's action, undertaken with his characteristic enormous enthusiasm, was rather pioneering, for it started a series of similar meetings. Moreover, what was rather exceptional at the time was the

fact that the meeting was devoted to the functioning of just a single organ, the root. One possible reason for the unexpected success of the original, perhaps naive, idea of a Root Symposium might lie with the fact that plant roots have always been extremely popular as experimental material for cytologists, biochemists and physiologists wishing to probe processes as diverse as cell division and solute transport. Of course, the connection of roots with the rest of the plant is not forgotten either. This wide variety of disciplines is now coupled with the development of increasingly sophisticated experimental techniques to study some of these old problems. These factors undoubtedly contribute to the necessity of continuing the tradition of the root symposia. The common theme of root function gives, in addition, a certain unity to all these diverse activities.

The Europa World of Learning - 2005

Papers in ITJEMAST 11(12)
2020 -

International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies publishes a wide spectrum of research and technical articles as well as reviews, experiments, experiences, modelings, simulations, designs, and innovations from engineering, sciences, life sciences, and related disciplines as well as interdisciplinary/cross-disciplinary/multidisciplinary subjects. Original work is required. Article submitted must not be under consideration of other publishers for publications.

Wastes in Relation to Agriculture and Forestry -

Cecil Herbert Wadleigh 1968

In the preparation of this report, four considerations were kept in mind: (1) How are agriculture and forestry adversely affected by wastes? (2) What wastes are contributed by agriculture and forestry? (3) How has research in the U.S. Department of

Agriculture and the State agricultural experiment stations contributed to the amelioration of waste problems? (4) What problems in waste production and management continue to need attention by agriculture and forestry? Commentary on these four considerations comprises the corresponding four appendices to the report per se.

A Handbook of the Fighting Races of India - P. D. Bonarjee
1899

Geology and Tectonics of Pakistan - Ali H. Kazmi
1997-01-01

Technology in Agriculture -

Fiaz Ahmad 2021-10-13

Food security is one of the primary themes of the United Nations' Sustainable Development Goals. In this regard, agricultural engineering is considered the backbone of agriculture, and agricultural mechanization is considered a helpful way to enhance crop yield and farmers' profitability.

Technology in Agriculture presents research in the field of agricultural engineering technologies and applications in agricultural equipment engineering, biosystem engineering, energy systems engineering, and computers in agriculture. It provides an overview of recent advancements in agricultural engineering and examines key aspects of emerging technologies and their applications. In addition, the book explores modern methodologies such as artificial intelligence and machine learning for agricultural mechanization.

Encyclopedia of Local History - Carol Kammen 2012-10-12

The Encyclopedia of Local History addresses nearly every aspect of local history, including everyday issues, theoretical approaches, and trends in the field. The second edition highlights local history practice in each U.S. state and Canadian province.

Rice Research for Quality Improvement: Genomics and Genetic Engineering -

Aryadeep Roychoudhury
2020-07-29

This book focuses on the conventional breeding approach, and on the latest high-throughput genomics tools and genetic engineering / biotechnological interventions used to improve rice quality. It is the first book to exclusively focus on rice as a major food crop and the application of genomics and genetic engineering approaches to achieve enhanced rice quality in terms of tolerance to various abiotic stresses, resistance to biotic stresses, herbicide resistance, nutritional value, photosynthetic performance, nitrogen use efficiency, and grain yield. The range of topics is quite broad and exhaustive, making the book an essential reference guide for researchers and scientists around the globe who are working in the field of rice genomics and biotechnology. In addition, it provides a road map for rice quality improvement that plant breeders and agriculturists can actively consult to achieve better crop production.

Afghanistan and the Central Asian Question - Frederick H. Fisher 1878

Date Palm Genetic Resources and Utilization -

Jameel M. Al-Khayri
2015-03-21

This important 2-volume reference book is the first comprehensive resource reflecting the current global status and prospects of date palm cultivation by country. This volume covers Asia and Europe. The Asian countries included are: Iran, Saudi Arabia, Iraq, Pakistan, Oman, Yemen, Israel, Kuwait, Qatar, Bahrain, Syria, Palestine and India. Europe is represented by Spain. Topics discussed are: cultivation practices; genetic resources and breeding; conservation and germplasm banks; cultivar classification and identification based on morphological and molecular markers; micropropagation and progress toward scale-up production; and advances in dates processing and marketing. Chapters are supported by tables and color

photographs. Appendixes summarize traits and distribution of major cultivars, commercial resources of offshoots and in vitro plants; and institutions and scientific societies concerned with date palm.

Papers in ITJEMAST 11(13) 2020 -

International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies publishes a wide spectrum of research and technical articles as well as reviews, experiments, experiences, modelings, simulations, designs, and innovations from engineering, sciences, life sciences, and related disciplines as well as interdisciplinary/cross-disciplinary/multidisciplinary subjects. Original work is required. Article submitted must not be under consideration of other publishers for publications. *Rural Development Abstracts* 2006

Afghanistan and the Anglo-

Russian Dispute - Theophilus Francis Rodenbough 1885

Biological, Diagnostic and Therapeutic Advances in Alzheimer's Disease - Ghulam Md Ashraf 2019-10-11

This book discusses the latest research into the highly prevalent neurodevelopmental disease most commonly associated with aging: Alzheimer's disease (AD). Even after years of research, Alzheimer's disease is still far from being cured. It presents a range of common symptoms in the form of behavioral and cognitive impairments. This book describes the symptoms and the biology behind them. The contents covers latest findings on the genetics involved and various factors and pathways influencing disease development. It also covers various non-pharmacological therapies like immunotherapy, use of natural products, and employing nanotechnology in both the detection and treatment of AD. This book also highlights the role of diet and nutrition in

healthy aging. Given its scope, it offers a valuable asset for researchers and clinicians alike.

Heavy Metal Toxicity in Plants: Recent Insights on Physiological and Molecular Aspects - Rafaqat Ali Gill 2022-03-24

ITJEMAST 10(11) 2019 - International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies publishes a wide spectrum of research and technical articles as well as reviews, experiments, experiences, modelings, simulations, designs, and innovations from engineering, sciences, life sciences, and related disciplines as well as interdisciplinary/cross-disciplinary/multidisciplinary subjects. Original work is required. Article submitted must not be under consideration of other publishers for publications.

Microbial Communities and their Interactions in the Extreme Environment -

Dilfuza Egamberdieva
2021-10-29

This second edition of the book entitled “Microbial Communities and Interactions in extreme environments” focus on thermophilic and halophilic extremophiles from various ecosystems, their biodiversity, interactions with other organisms and functions within their hostile environment. Biotechnology of extremophiles and their potential agricultural and industrial applications is the focus of this edition. However, extremophiles may cope with their challenging environments. Information on biodiversity of extremophiles and their interactions with the surrounding biomes helps in understanding their ecology and functions within their respective extreme environments. This book is of interest to teachers, researchers, microbiologists, capacity builders and policymakers. Also, the book serves as additional reading material for undergraduate and graduate students of

agriculture, forestry, ecology, soil science, microbiology and environmental sciences.

World List of Universities and Other Institutions of Higher Education - 2006

Advances in Computer Vision
Kohei Arai 2019-04-23

This book presents a remarkable collection of chapters covering a wide range of topics in the areas of Computer Vision, both from theoretical and application perspectives. It gathers the proceedings of the Computer Vision Conference (CVC 2019), held in Las Vegas, USA from May 2 to 3, 2019. The conference attracted a total of 371 submissions from pioneering researchers, scientists, industrial engineers, and students all around the world. These submissions underwent a double-blind peer review process, after which 118 (including 7 poster papers) were selected for inclusion in these proceedings. The book’s goal is to reflect the intellectual breadth and depth of current research on

computer vision, from classical to intelligent scope.

Accordingly, its respective chapters address state-of-the-art intelligent methods and techniques for solving real-world problems, while also outlining future research directions. Topic areas covered include Machine Vision and Learning, Data Science, Image Processing, Deep Learning, and Computer Vision Applications.

The Ancient Geography of India - Alexander Cunningham 1871

Commonwealth Universities Yearbook - 2007

An Introduction to Longitudinal Research - Elisabetta Ruspini 2003-09-02
One of the major changes in the social science research

landscape in recent years has been the introduction of computerised panel surveys in Europe and the US which make longitudinal data widely available to graduate students for the first time. Elisabetta Ruspini here provides a concise yet comprehensive introduction to the issues involved in this kind of research. This book: * Defines the concept of longitudinal research * Gives guidance on sources of longitudinal data in Europe and the US and their strengths and weaknesses * Discusses the choices that need to be made in this kind of research - for instance the advantages and disadvantages of certain types of research data and of different types of analysis * Highlights some of the problems involved, e.g. the issue of comparability within longitudinal research