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## KANE SILAS

[Online Education for Teachers of English as a Global Language](#) Springer Science & Business Media

This book contains the proceedings of the NATO Advanced Research Workshop on Air, Water and Soil Quality Modelling for Risk and Impact Assessment. The aim of the workshop was to further joint environmental compartment modelling and applications of control theory to environmental management. It provides an overview of ongoing research in this field regarding assessment of environmental risks and impacts.

[Proceedings of the International Conference on Recent Cognizance in Wireless Communication & Image Processing](#) Jones & Bartlett Learning

The authors have consolidated their research work in this volume titled *Soft Computing for Data Mining Applications*. The monograph gives an insight into the research in the fields of Data Mining in combination with Soft Computing methodologies. In these days, the data continues to grow exponentially. Much of the data is implicitly or explicitly imprecise. Database discovery seeks to

discover noteworthy, unrecognized associations between the data items in the existing database. The potential of discovery comes from the realization that alternate contexts may reveal additional valuable information. The rate at which the data is stored is growing at a phenomenal rate. As a result, traditional ad hoc mixtures of statistical techniques and data management tools are no longer adequate for analyzing this vast collection of data. Several domains where large volumes of data are stored in centralized or distributed databases include applications like electronic commerce, bio-formatics, computer security, Web intelligence, intelligent learning database systems, finance, marketing, healthcare, telecommunications, and other fields. Efficient tools and algorithms for knowledge discovery in large data sets have been devised during the recent years. These methods exploit the capability of computers to search huge amounts of data in a fast and effective manner. However, the data to be analyzed is imprecise and affected with uncertainty. In the case of heterogeneous data sources such as text and video, the data might moreover be ambiguous and partly conflicting. Besides, patterns and relationships of interest are usually approximate. Thus, in order to make the information mining process more robust it requires

tolerance toward imprecision, uncertainty and exceptions.

[Recent Advances in Elastomeric Nanocomposites](#) Springer

The major purpose of this third volume in *The Flavonoids* series is to provide a detailed review of progress in the field during the five years, 1981-1985 inclusive. It thus continues the comprehensive coverage of the literature on these fascinating and important plant pigments which began in 1975 with the publication of *The Flavonoids* and which was followed in 1982 with *The Flavonoids: Advances in Research*. As with the two previous volumes, this one is entirely self-contained and where necessary tabular data and references from earlier volumes are included and expanded here. A unique feature is the complete listing in the Appendix of all known flavonoids, which now number over 4000 structures; in this list, structures newly reported during the period 1981-1985 are so indicated. The first ten chapters of this book provide a critical review of the new substances that have been discovered among each of the main classes of flavonoid during the period under review. Again, the number of new isoflavonoids reported outweighs that of other classes and a hundred pages are needed to describe all the novel findings. Neoflavonoids, which were omitted in the first supplement, have been included again and a special chapter on

miscellaneous flavonoids has been introduced to cope with those structures (e.g. homoisoflavonoids) which do not fit in easily anywhere else. Although there have been advances in flavonoid methodology, these have not been as spectacular as in earlier years. Hence, literature reports on new chromatographic and spectral procedures are included here in the individual chapters under the different flavonoid classes.

[Dual Language Education](#) Springer Science & Business Media

"In Chapter 1, the COVID-19 pandemic and the damage mechanisms on the cellular level which can be ameliorated with the cellular therapies is thoroughly evaluated. Previous and ongoing stem cell clinical trial data from diseases with similar symptoms is gathered. All this accumulated data and current clinical trial results indicate that the cellular therapies could be the most effective treatment option for COVID-19 patients to ameliorate the damaged tissues and save lives. In Chapter 2, the authors examine activated mesenchymal stem cells for stroke repair. Stem Cell treatment has shown recovery in animal models of stroke, indicating an improved regenerative and repair potential. Though stem cells are still being used in clinical trials, there is no evidence that they enhance recovery in ischemic stroke patients. Nevertheless, the multipotent mesenchymal stem has widely been explored for stroke recovery. An 'Activated MSC' as a therapeutic alternative to tackling ischemic stroke is proposed, thereby the activation of MSCs by cytokines, growth factors, hypoxia, pharmacological drugs, etc., could be a novel approach to improving stroke patients' responses to receiving MSCs. In Chapter 3, the potential benefits of in vitro culture of therapeutic stem cells in the presence of HB along with the ketogenic diet, whereby higher physiological concentrations of ketone bodies can be achieved in vivo, as an adjuvant to stem cell transplantation is assessed"--

**The Flavonoids** BRILL

Focuses on the effects of natural products and their active components on brain function and neurodegenerative disease prevention. Phytochemicals such as alkaloids, terpenes, flavanoids, isoflavones, saponins etc are known to possess protective activity against many neurological diseases. The molecular mechanisms behind the curative effects rely mainly on the action of phytonutrients on distinct signaling pathways associated with protein folding and neuro-inflammation. The diverse array of bioactive nutrients present in these natural products plays a pivotal role in prevention and cure of various neurodegenerative diseases, disorders, or insults, such as Alzheimer's Disease, Parkinson's Disease, Huntington's Disease, traumatic brain injury, and other neuronal dysfunctions. However, the use of these antioxidants in the management of neurodegenerative conditions has so far been not well understood. This is a comprehensive collection addressing the effects on the brain of natural products and edible items such as resveratrol, curcumin, gingerol, fruits, vegetables, nuts, and marine products.

[Silicon](#) Springer

This book features a collection of high-quality research papers presented at the International Conference on Intelligent and Cloud Computing (ICICC 2019), held at Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, India, on December 20, 2019. Including contributions on system and network design that can support existing and future applications and services, it covers topics such as cloud computing system and network design, optimization for cloud computing, networking, and applications, green cloud system design, cloud storage design and networking, storage security, cloud system models, big data storage, intra-cloud computing, mobile cloud system design, real-time resource reporting and monitoring for cloud management, machine learning, data mining for cloud computing, data-driven methodology and architecture, and networking for machine learning systems.

**Paediatric Hepatology** BoD – Books on Demand

Nanobiotechnology Applications in Plant Protection: Volume 2 continues the important and timely discussion of nanotechnology applications in plant protection and pathology, filling a gap in the literature for nano applications in crop protection. Nanopesticides and nanobioformulations are examined in detail and presented as powerful alternatives for eco-friendly management of plant pathogens and nematodes. Leading scholars discuss the applications of nanobiomaterials as antimicrobials, plant growth enhancers and plant nutrition management, as well as nanodiagnostic tools in phytopathology and magnetic and supramagnetic nanostructure applications for plant protection. This second volume includes exciting new content on the roles of biologically synthesized nanoparticles in seed germination and zinc-based nanostructures in protecting against toxigenic fungi. Also included is new research in phytotoxicity, nano-scale fertilizers and nanomaterial applications in nematology and discussions on Botrytis grey mold and nanobiocontrol.

This book also explores the potential effects on the environment, ecosystems and consumers and addresses the implications of intellectual property for nanopesticides. Further discussed are nanotoxicity effects on the plant ecosystem and nano-applications for the detection, degradation and removal of pesticides.

*Soft Computing for Data Mining Applications* Guilford Publications

The book largely represents the extended version of select papers from the International Conference on Intelligent Unmanned System ICIUS 2007 which was jointly organized by the Center for Unmanned System Studies at Institut Teknologi Bandung, Artificial Muscle Research Center at Konkuk University and Institute of Bio-inspired Structure and Surface Engineering, Nanjing University of Aeronautics and Astronautics. The joint-event was the 3rd conference extending from International Conference on Emerging System Technology (ICEST) in 2005 and International Conference on Technology Fusion (ICTF) in 2006 both conducted in Seoul. ICIUS 2007 was focused on both theory and application primarily covering the topics on robotics, autonomous vehicles and intelligent unmanned technologies. The conference was arranged into three parallel symposia with the following scope of topics: Unmanned Systems: Micro air vehicle, Underwater vehicle, Micro-satellite, - manned aerial vehicle, Multi-agent systems, Autonomous ground vehicle, Blimp, Swarm intelligence, learning and control Robotics and Biomimetics: Artificial muscle actuators, Smart sensors, Design and applications of MEMS/NEMS system, Intelligent robot system, Evolutionary algorithm, Control of biological systems, AI and expert systems, Biological learning control systems, Neural networks, Genetic algorithm Control and Intelligent System: Distributed intelligence, Distributed/decentralized intelligent control, Distributed or decentralized control methods, Distributed and - bedded systems, Embedded intelligent control, Complex systems, Discrete event systems, Hybrid systems, Networked control systems, Delay systems, Fuzzy systems, Identification and estimation, Nonlinear systems, Precision motion control, Control applications, Control engineering education.

*Born to Walk* Springer

Throughout the 10 years of this research we have shown the strength and promise of local traditional food systems to improve health and well-being.

**Intelligent and Cloud Computing** Cambridge University Press

For the first time, this highly interdisciplinary book covers the applications of neuro-fuzzy and fuzzy-neural scientific tools in a very wide area within the communications field. It deals with the important and modern areas of telecommunications amenable to such a treatment.

*Copper Nanostructures: Next-Generation of Agrochemicals for Sustainable Agroecosystems* John Wiley & Sons

Cleft Palate and Craniofacial Conditions is the marketing leading title for the graduate course on craniofacial conditions and cleft palate or as a sourcebook for health care professionals who provide service in this area. It is designed to be a how-to guide as well as a source of didactic and theoretical information. Author, Ann Kummer, is a highly recognized and respected active clinician with a specialty in the field.

**Atomic Layer Deposition for Semiconductors** Springer

In 1997 the FDA approved the use of low-dose ionizing radiation to eliminate pathogens in red meat. This food processing technology can improve the safety of food and extend the shelf life of certain foods by eliminating pathogenic bacteria, parasites, and other microorganisms that cause food-borne disease. Currently, forty-two countries practice some form of food irradiation. Food Irradiation: Principles and Applications provides a comprehensive, up-to-date account of food irradiation principles, effects, applications, and limitations, including global regulatory issues and the economics of food irradiation. Written by an international panel of scientists, this book focuses on science and technology and offers thorough coverage of the current use of food irradiation around the world. The contributors in this book present irradiation as a truly critical control point for raw, solid foods of animal origin. Food Irradiation: Principles and Applications discusses such topics as: -Radiation inactivation of microorganisms -Disinfestation of stored grains, pulses, dried fruits, and nuts -Irradiation as a quarantine treatment -Irradiation of meat and poultry, fish and shellfish, fruits and vegetables, and tuber and bulb crops -Radiation decontamination of spices, herbs, condiments, and other dried food ingredients -Process control and dosimetry in food irradiation Food professionals in both academia and industry, as well as food safety experts, food scientists, research scientists, and food processing managers, will find Food Irradiation: Principles and Applications a reliable and valuable reference.

*The Diabetic Heart* Taylor & Francis US

Accompanying CD-ROM contains: contents of book; continuous updates; slide image library; references linked to MEDLINE; pediatric guidelines; case studies; review questions.

**Intelligent Unmanned Systems: Theory and Applications** New York : Raven Press

This study of the Indo-Tibetan ritual of rendering religious objects sacred concerns one of the fundamental Buddhist tantric processes of transformation into a chosen tantric Buddha. It provides a general discussion of the ritual as well as detailed analyses of each ritual step in the composite present-day consecration.

**Consecration of Images and Stūpas in Indo-Tibetan Tantric Buddhism** Springer

Copper Nanostructures: Next-Generation of Agrochemicals for Sustainable Agroecosystems considers the impact of copper-based nanostructures on agri-food sectors. Sections highlight the green synthesis of copper nanoparticles, production mechanisms, eco-safety, and future perspectives, discuss the increasing importance of copper nanomaterials in plant protection applications, describe the use of copper nanostructures in plant science applications, cover antimicrobial applications, explore copper nanostructure applications, and summarize current applications in agroecosystems, such as copper nanoparticles as nanosensors, their negative ecological effects, estimation risks, and more. Assesses the impact of a large variety of copper-based nanostructures on the agri-food sector Discusses how the properties of a variety of copper-based nanomaterials make them effective for agricultural applications Explains the challenges surrounding the mass production of copper-based nanomaterials

*Neuro-Fuzzy and Fuzzy-Neural Applications in Telecommunications* Lippincott Williams & Wilkins

Phonetics - the study and classification of speech sounds - is a major sub-discipline of linguistics. Bringing together a team of internationally renowned phoneticians, this handbook provides comprehensive coverage of the most recent, cutting-edge work in the field, and focuses on the most widely-debated contemporary issues. Chapters are divided into five thematic areas: segmental production, prosodic production, measuring speech, audition and perception, and applications of phonetics. Each chapter presents an historical overview of the area, along with critical issues, current research and advice on the best practice for teaching phonetics to undergraduates. It brings together global perspectives, and includes examples from a wide range of languages, allowing readers to extend their knowledge beyond English. By providing both state-of-the-art research information, and an appreciation of how it can be shared with students, this handbook is essential both for academic phoneticians, and anyone with an interest in this exciting, rapidly developing field.

[The Cambridge Handbook of Phonetics](#) Springer Nature

Military Injury Biomechanics: The Cause and Prevention of Impact Injuries is a reference manual where information and data from a large number of sources, focussing on injuries related to military events, has been critically reviewed and discussed. The book covers the cause and prevention of impact injuries to all the major body regions, while topics such as the historical background of military impact biomechanics, the history and use of anthropomorphic test devices for military applications and the medical management of injuries are also discussed. An international team of experts have been brought together to examine and review the topics. The book is intended for researchers, postgraduate students and others working or studying defence and impact injuries.

*Vascular Disorders of the Liver* Elsevier

Dual language education is a program that combines language minority and language majority students for instruction through two languages. This book provides the conceptual background for the program and discusses major implementation issues. Research findings summarize language proficiency and achievement outcomes from 8000 students at 20 schools, along with teacher and parent attitudes.

**Drug Discovery and Development, Volume 1** Elsevier Health Sciences

This textbook provides a comprehensive and state-of-the-art overview of the major issues specific to the field of pediatric gastroenterology, hepatology, and nutrition. The first part of the book, Gastroenterology and Nutrition, presents in a systematic way the overall scope of issues encountered by children (newborn to teenagers) suffering from disorders of the gastrointestinal tract, pancreas and/or presenting nutritional issues. These chapters are structured in logical sections to facilitate consultation and include major topics ranging from congenital disorders to gastrointestinal problems of the newborn, infectious diseases of the gastrointestinal tract, and approach to nutritional problems in the various pediatric ages. The second part of the book, Hepatology, is articulated in a series of chapters which present a comprehensive review of

congenital and acquired disorders of the biliary tract and liver. This section also includes a critical analysis of available diagnostic and therapeutic procedures and future perspectives. Written by experts in the field, Textbook of Pediatric Gastroenterology, Hepatology and Nutrition: A Comprehensive Guide to Practice constitutes a much needed, innovative resource combining updated, reliable and comprehensive information with agile consultation for a streamlined

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approach to the care of children with such disorders.

#### **Cleft Palate and Craniofacial Anomalies** Multilingual Matters

Endoscopy has had a major impact in the development of modern gastroenterology and other medical specialties. The field of endoscopic procedure has developed over the last decade. By using different data it provided a better understanding of pathogenic mechanisms, described new

entities and used for early detection, diagnostic procedures and therapeutic procedures. The advantages of many technical advances and modern-endoscopic equipments, endoscopy has had a developed spectacularly. Furthermore, endoscopy has surpassed its function as an examination tool and it became a rapid and efficient therapeutic tool of low invasiveness. The efficacy and usefulness of endoscopy has yet been established.