

Profile Name S Vijayalakshmi

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Recent Trends and Advances in Artificial Intelligence and Internet of Things

The Scope of Happiness is the autobiography of an outstanding world figure who was the sister, confidante, and lifelong political associate of India's first prime minister, Jawaharlal Nehru and the aunt of Indira Gandhi. Vijaya Lakshmi Pandit participated in the Indian national struggle for freedom from its inception and was imprisoned three times. In this very personal view of the struggle for independence, she gives an evocative picture of the cultured and protected world in which she grew up in Anand Bhavan in Allahabad, conveying even the textures, aromas and sounds of her childhood home. She offers an unprecedented picture of life in India under British rule, with its rigorous restrictions and racial bigotry. A compelling strength of this book is the intimate picture the author draws of many great figures: the searching and affectionate view of her brother, the insight into her niece Indira, a personal record of Mahatma Gandhi that no one else could give--and penetrating and entertaining anecdotes of world figures such as Krishna Menon, Earl Mountbatten of Burma, Chester Bowles, Dag Hammarskjold, Eleanor Roosevelt, President Tito and Prince Charles. No other living individual could draw the sweeping historical picture that Mrs Pandit has given us in her memoir, making it a book of rare significance that will speak lastingly for generations to come.

Pediatric Neuroendocrinology

Sittig's Handbook of Pesticides and Agricultural Chemicals

This volume is the first of two containing selected papers from the International Conference on Advances in Mathematical Sciences (ICAMS), held at the Vellore Institute of Technology in December 2017. This meeting brought together researchers from around the world to share their work, with the aim of promoting collaboration as a means of solving various problems in modern science and engineering. The authors of each chapter present a research problem, techniques suitable for solving it, and a discussion of the results obtained. These volumes will be of interest to both theoretical- and application-oriented individuals in academia and industry. Papers in Volume I are dedicated to active and open areas of research in algebra, analysis, operations research, and statistics, and those of Volume II consider differential equations, fluid mechanics, and graph theory.

The Scope of Happiness

India's Freedom

Sittig's Handbook of Pesticides and Agricultural Chemicals is specifically designed for use by those engaged in the agricultural and food processing

industries, both vital to our nation's health and economy. People in every phase of food production, from the farm to the fork, will find a wealth of material here. It will also be of interest to professionals in the pharmaceutical, cosmetics, and personal care industries who use agricultural products as ingredients. It provides crop, chemical, regulatory, health and safety information on nearly 800 pesticides, fertilizers, and other agricultural chemicals. These chemicals are organized with unique identifiers so that all who may have contact with or interest in them can find critical information quickly.

Indian Poetry

Between 1500 and 1850, European traders shipped hundreds of thousands of African, Indian, Malagasy, and Southeast Asian slaves to ports throughout the Indian Ocean world. The activities of the British, Dutch, French, and Portuguese traders who operated in the Indian Ocean demonstrate that European slave trading was not confined largely to the Atlantic but must now be viewed as a truly global phenomenon. European slave trading and abolitionism in the Indian Ocean also led to the development of an increasingly integrated movement of slave, convict, and indentured labor during the late eighteenth and early nineteenth centuries, the consequences of which resonated well into the twentieth century. Richard B. Allen's magisterial work dramatically expands our understanding of the movement of free and forced labor around the world. Drawing upon extensive

archival research and a thorough command of published scholarship, Allen challenges the modern tendency to view the Indian and Atlantic oceans as self-contained units of historical analysis and the attendant failure to understand the ways in which the Indian Ocean and Atlantic worlds have interacted with one another. In so doing, he offers tantalizing new insights into the origins and dynamics of global labor migration in the modern world.

Information Security and Privacy Research

Outlook

This book has been designed to be as a fundamental textbook on surveying, covering all aspects—theory and practical (cases, examples)—for civil engineering students at both degree and diploma level. Written with a student-friendly approach, the book contains solved examples and illustrations for easy understanding of the subject. First ten chapters are the essential concepts needed to be studied in the first semester and the next eight chapters include advanced topics on triangulation, photogrammetry, remote sensing and astronomy that are meant for higher semesters. Details of survey camp work and extensive survey projects are also dealt with in the chapters and in an Appendix separately. Emphasis is given to the systematic and detailed presentation of topics in one volume to benefit the students in their course work. Key features Illustrative Figures

exemplify the theories profoundly Exhaustive Solved Examples to help students grasp the concepts easily Analytical Exercises and Numerical Problems to judge students' comprehension on the subject

Internet of Things Use Cases for the Healthcare Industry

This book reviews the chemical, regulatory, and physiological mechanisms of protein arginine and lysine methyltransferases, as well as nucleic acid methylations and methylating enzymes. Protein and nucleic acid methylation play key and diverse roles in cellular signalling and regulating macromolecular cell functions. Protein arginine and lysine methyltransferases are the predominant enzymes that catalyse S-adenosylmethionine (SAM)-dependent methylation of protein substrates. These enzymes catalyse a nucleophilic substitution of a methyl group to an arginine or lysine side chain nitrogen (N) atom. Cells also have additional protein methyltransferases, which target other amino acids in peptidyl side chains or N-termini and C-termini, such as glutamate, glutamine, and histidine. All these protein methyltransferases use a similar mechanism. In contrast, nucleic acids (DNA and RNA) are substrates for methylating enzymes, which employ various chemical mechanisms to methylate nucleosides at nitrogen (N), oxygen (O), and carbon (C) atoms. This book illustrates how, thanks to their ability to expand their repertoire of functions to the modified substrates, protein and nucleic acid methylation processes play a key role in cells.

Southern Economist

Cardiac Catheterization and Imaging is an all-encompassing, richly illustrated guide to cardiac catheterisation and catheter-based intervention, from the foetus to the geriatric patient. The book is divided into 72 chapters across twelve sections, covering everything from the history of cardiac catheterisation, patient preparation, imaging modalities available in preparation and during the procedure, and the equipment required. Beginning with the history and basics of catheterisation, and a section on haemodynamics, subsequent sections cover a range of interventional techniques for heart disease. Further sections bring the text firmly up to date, with recent techniques in valvular aortic disease covered, a chapter on current indications for interventions in adults with congenital heart disease, and the latest equipment available for cardiovascular support. Each chapter concerning a specific condition follows a regular format; a concise discussion on the disorder, indications, procedural details, precautions, and potential pitfalls. With nearly 2100 images and illustrations, spanning 1134 pages, Cardiac Catheterization and Imaging is an invaluable, comprehensive resource for cardiologists. Key Points Comprehensive, illustrated guide to cardiac catheterisation from foetus to geriatric patient Covers history, basics, haemodynamics, various interventions and equipment 2097 images and illustrations

The New Yorker

The neuroendocrine system plays a pivotal role in the control of growth, puberty, reproduction, and intermediate metabolism. This title presents the research on neuroendocrine physiology, advances in the control of the onset of puberty and its disorders, and basic and clinical aspects of the GH/IGF-1 and hypothalamic-pituitary-adrenal axes.

NEURAL NETWORKS, FUZZY LOGIC AND GENETIC ALGORITHM

Language Development and Language Disorders

The DNA, RNA, and Histone Methylomes

This book constitutes the refereed proceedings of the 27th IFIP TC 11 International Information Security Conference, SEC 2012, held in Heraklion, Crete, Greece, in June 2012. The 42 revised full papers presented together with 11 short papers were carefully reviewed and selected from 167 submissions. The papers are organized in topical sections on attacks and malicious code, security architectures, system security, access control, database security, privacy attitudes and properties, social networks and social engineering, applied cryptography, anonymity and trust, usable security, security and trust models, security economics, and authentication and delegation.

Variety Cinema Directory

Production of Biomass and Bioactive Compounds Using Bioreactor Technology

European Slave Trading in the Indian Ocean, 1500-1850

The Hindu Index

Responding to the increased popularity of herbal medicines and other forms of complementary or alternative medicine in countries around the world, this reference reviews and evaluates various safety, toxicity, and quality-control issues related to the use of traditional and herbal products for health maintenance and disease prevention and treatment. With over 3,550 current references, the book highlights the role of herbal medicine in national health care while providing case studies of widely used herbal remedies and their effects on human health and wellness and the need for the design and performance of methodologically sound clinical trials for the plethora of herbal medicines.

Survey of Researches in Plant Nematology

This Anthology Of Papers Presented At A Seminar

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Organised By The Sahitya Akademi In March 1988, Takes Stock Of The Indian Poetry Of The Five Decades After Independence, Raises Basic Conceptual Questions, Examines Paradigm Shifts And Interrogates The Established Canons By Foregrounding Marginalised Voices. The Papers Examine The Growth Of Modern Sensibility In Indian Poetry In Specific Linguistic Contexts, Relates It To General Cultural Issues And Examines Post-Colonial Avant-Grade Trends Including The Feminist And The Dalit Movements. The Papers Are Collected Under Three Heads: 'Modernism In Retrospect' Examines The Historical, Political And Aesthetic Aspects Of Modernism; 'After Modernism: Articulating Resistance' Takes A Close Look At The Alternative Trends That Challenge The Status-Quoist Mainstream Poetry; 'Poetry As Discourse: Some General Issues' Takes Up Some General Issues Concerning The Present And Future Of Poetry, Including The Problems Of The Translation Of Poetry. K. Satchidanandan Who Has Edited This Volume Is A Pioneer Of Modern Poetry And Criticism In Malayalam With 18 Collections Of Poetry, Two Plays, 15 Collections Of Critical Articles And Interviews And 15 Collections Of Translated Poetry.. He Now Heads The Sahitya Akademi, The Indian National Academy Of Letters

Prison and Chocolate Cake

State of the World

Handbook of Database Security: Applications and

Trends provides an up-to-date overview of data security models, techniques, and architectures in a variety of data management applications and settings. In addition to providing an overview of data security in different application settings, this book includes an outline for future research directions within the field. The book is designed for industry practitioners and researchers, and is also suitable for advanced-level students in computer science.

Plant Cell and Tissue Differentiation and Secondary Metabolites

Advances in Communication, Signal Processing, VLSI, and Embedded Systems

'Seldom does one get a chance to become acquainted with India's great leaders through a young woman so intimately associated with them.' -New York Times Book Review A dramatic portrait of the spirit of sacrifice that carried India through the years of the struggle for independence, this evocative memoir of an unusual childhood ends with the assassination of Mahatma Gandhi in 1948. Nayantara Sahgal describes what it was like growing up in Anand Bhavan, Allahabad, the home of her parents shared with her maternal uncle, Jawarlal Nehru, during the years when Gandhi was leading the movement for independence. It describes in loving detail the lives of a family for whom the country's fight for freedom was more important than anything else, certainly coming before

comfort and riches. The book is particularly delightful for its picture of Nehru who springs from these pages as a man of friendly humanity and a joy in life that made him a beloved uncle, yet with an inborn greatness that inspired awe and admiration in the little girl who played with him. 'She is brilliantcomplex and questioning.' - Pearl S. Buck

Indian Trade Journal

The Illustrated Weekly of India

The bioactive compounds of plants have world-wide applications in pharmaceutical, nutraceutical and food industry with a huge market. In this book, a group of active researchers have addressed on the most recent advances in plant cell and organ cultures for the production of biomass and bioactive compounds using bioreactors. Tremendous efforts have been made to commercialize the production of plant metabolites by employing plant cell and organ cultures in bioreactors. This book emphasizes on the fundamental topics like designing of bioreactors for plant cell and organ cultures, various types of bioreactors including stirred tank, airlift, photo-bioreactor, disposable bioreactor used for plant cell and organ cultures and the advantages and disadvantages of bioreactor cultures. Various strategies for biomass production and metabolite accumulation have been discussed in different plant systems including Korean/Chinese ginseng, Siberian ginseng, Indian ginseng, Echinacea, St. John's wort,

Noni, Chinese licorice, Caterpillar fungus and microalgae. Researches on the industrial application of plant cells and organs with future prospects as well as the biosafety of biomass produced in bioreactors are also described. The topics covered in this book, such as plant cell and organ cultures, hairy roots, bioreactors, bioprocess techniques, will be a valuable reference for plant biotechnologists, plant biologists, pharmacologists, pharmacists, food technologists, nutritionists, research investigators of healthcare industry, academia, faculty and students of biology and biomedical sciences. The multiple examples of large-scale applications of cell and organ cultures will be useful and significant to industrial transformation and real commercialization.

Compton's Pictured Encyclopedia and Fact-index

Nutritional Status of Primary School Children

Selected papers presented at the Interdisciplinary National Seminar on Language Processes and Language Disorders, Hyderabad, India during Feb. 16-18, 1989.

Handbook of Database Security

Nutrition is the basic necessity for all of us. It is the science of foods, the nutrients and other substances, their action and interaction, balance in relationship to

health and disease, the process by which the organism ingests, digests, absorbs, transports and utilizes nutrients and disperse their end products. Each one of us is concerned with our health and health of those close to us. Media such as newspaper, magazines, television, radio, and internet are filled with pros and cons and advice about good health. We are all very much concerned with the health of our kids and always feel concerned for their sound health. Malnutrition and undernutrition are two grave problems the countries are facing throughout the world. The reason is lack of appropriate knowledge, poverty, illiteracy, and lack of regular diet patterns. To eradicate the root cause of these problems it becomes pertinent to provide nutrition education to the masses for improving the nutritional status of our children. Taking in view this situation the author has tried to study the nutritional status of primary school children so that appropriate measures can be suggested for improving the nutrition level of these children. Vipinder Nagra

Guide to Indian Periodical Literature

The Evolution of India

This book covers all the emerging trends in artificial intelligence (AI) and the Internet of Things (IoT). The Internet of Things is a term that has been introduced in recent years to define devices that are able to connect and transfer data to other devices via the Internet. While IoT and sensors have the ability to

harness large volumes of data, AI can learn patterns in the data and quickly extract insights in order to automate tasks for a variety of business benefits. Machine learning, an AI technology, brings the ability to automatically identify patterns and detect anomalies in the data that smart sensors and devices generate, and it can have significant advantages over traditional business intelligence tools for analyzing IoT data, including being able to make operational predictions up to 20 times earlier and with greater accuracy than threshold-based monitoring systems. Further, other AI technologies, such as speech recognition and computer vision can help extract insights from data that used to require human review. The powerful combination of AI and IoT technology is helping to avoid unplanned downtime, increase operating efficiency, enable new products and services, and enhance risk management.

Herbal and Traditional Medicine

This volume constitutes the third of three parts of the refereed proceedings of the First International Conference on Computer Science and Information Technology, CCSIT 2010, held in Bangalore, India, in January 2011. The 46 revised full papers presented in this volume were carefully reviewed and selected. The papers are organized in topical sections on soft computing, such as AI, Neural Networks, Fuzzy Systems, etc.; distributed and parallel systems and algorithms; security and information assurance; ad hoc and ubiquitous computing; wireless ad hoc networks and sensor networks.

Cardiac Catheterization and Imaging (From Pediatrics to Geriatrics)

This book explores potentially disruptive and transformative healthcare-specific use cases made possible by the latest developments in Internet of Things (IoT) technology and Cyber-Physical Systems (CPS). Healthcare data can be subjected to a range of different investigations in order to extract highly useful and usable intelligence for the automation of traditionally manual tasks. In addition, next-generation healthcare applications can be enhanced by integrating the latest knowledge discovery and dissemination tools. These sophisticated, smart healthcare applications are possible thanks to a growing ecosystem of healthcare sensors and actuators, new ad hoc and application-specific sensor and actuator networks, and advances in data capture, processing, storage, and mining. Such applications also take advantage of state-of-the-art machine and deep learning algorithms, major strides in artificial and ambient intelligence, and rapid improvements in the stability and maturity of mobile, social, and edge computing models.

Handbook of African Medicinal Plants, Second Edition

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.

Sruti

Applied Mathematics and Scientific Computing

This book comprises selected peer-reviewed papers from the International Conference on VLSI, Signal Processing, Power Systems, Illumination and Lighting Control, Communication and Embedded Systems (VSPICE-2019). The contents are divided into five broad topics - VLSI and embedded systems, signal processing, power systems, illumination and control, and communication and networking. The book focuses on the latest innovations, trends, and challenges encountered in the different areas of electronics and communication, and electrical engineering. It also offers potential solutions and provides an insight into various emerging areas such as image fusion, bio-sensors, and underwater sensor networks. This book can prove to be useful for academics and professionals interested in the various sub-fields of electronics and communication engineering.

Bulletin

Fact

TEXTBOOK OF SURVEYING

This reference work provides a comprehensive review of cell and tissue differentiation and its role in the formation of specific secondary metabolites. Divided into five sections, this book covers the main cellular processes involved in the biosynthesis of secondary metabolites. Chapters from expert contributors offer

specific case studies of cell and tissue differentiation, examines secondary metabolites in shoot and root cultures, and present new scientific insights and original technologies with applications in medicinal plants and in plant biotechnology. Students, scholars and researchers with an interest in the fields of botany, agriculture, pharmacy, biotechnology and phytochemistry will find this book an important account. This book will also engage professionals working in plant-based industry.

Advanced Computing

Socio-economic profile of Rural India (series II)

This book provides comprehensive introduction to a consortium of technologies underlying soft computing, an evolving branch of computational intelligence. The constituent technologies discussed comprise neural networks, fuzzy logic, genetic algorithms, and a number of hybrid systems which include classes such as neuro-fuzzy, fuzzy-genetic, and neuro-genetic systems. The hybridization of the technologies is demonstrated on architectures such as Fuzzy-Back-propagation Networks (NN-FL), Simplified Fuzzy ARTMAP (NN-FL), and Fuzzy Associative Memories. The book also gives an exhaustive discussion of FL-GA hybridization. Every architecture has been discussed in detail through illustrative examples and applications. The algorithms have been presented in pseudo-code with a step-by-

step illustration of the same in problems. The applications, demonstrative of the potential of the architectures, have been chosen from diverse disciplines of science and engineering. This book with a wealth of information that is clearly presented and illustrated by many examples and applications is designed for use as a text for courses in soft computing at both the senior undergraduate and first-year post-graduate engineering levels. It should also be of interest to researchers and technologists desirous of applying soft computing technologies to their respective fields of work.

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