

Modern Analysis By Arumugam

Studieboek op hbo-niveau met betrekking tot de keuze en de implementatie van softwaresystemen voor het beheer van ondernemingsgegevens.

Microbial biotechnology is known as any technological application that uses microbiological systems, microbial organisms or their derivatives, to manufacture or modify products or processes for specific use. Understanding the utilization of microorganisms and microbial biotechnology in improving the quality of life has been recognized at global. Now days, what is urgently required is a searching of new microbes and novel genes for solving some of the major challenges of recent years with particular reference to sustainable agriculture, the environment and human health. Hence, it is realized that a book dealing microbial technology must be made available to meet the critical gap in applied microbiology and microbial technology for students, researchers and technology development professionals. The book covers a broad area which includes microbial concrete production, applications of nanotechnology in food microbiology, microbial technology of biofertilizer, Probiotics for Oral health, microbial surfactants and its potential application, Regulation of circadian rhythm by gut microflora.

This four-volume set (CCIS 643, 644, 645, 646) constitutes the refereed proceedings of the 16th Asia Simulation Conference and the First Autumn Simulation Multi-Conference, AsiaSim / SCS AutumnSim 2016, held in Beijing, China, in October 2016. The 265 revised full papers presented were carefully reviewed and selected from 651 submissions. The papers in this fourth volume of the set are organized in topical sections on Modeling and Simulation Applications; Simulation Software; Social Simulations; Verification, Validation and Accreditation.

Recently, cryptology problems, such as designing good cryptographic systems and analyzing them, have been challenging researchers. Many algorithms that take advantage of approaches based on computational intelligence techniques, such as genetic algorithms, genetic programming, and so on, have been proposed to solve these issues. Implementing Computational Intelligence Techniques for Security Systems Design is an essential research book that explores the application of computational intelligence and other advanced techniques in information security, which will contribute to a better understanding of the factors that influence successful security systems design. Featuring a range of topics such as encryption, self-healing systems, and cyber fraud, this book is ideal for security analysts, IT specialists, computer engineers, software developers, technologists, academicians, researchers, practitioners, and students.

This book constitutes the refereed proceedings of the 13th International Conference on Modern Information Technology and IT Education, held in Moscow, Russia, in November-December 2018. The 30 full papers and 1 short papers were carefully reviewed and selected from 164 submissions. The papers are organized according to the following topics: IT-education: methodology, methodological support; e-learning and IT in education; educational resources and best practices of IT-education; research and development in the field of new IT and their applications; scientific software in education and science; school education in computer science and ICT; economic informatics.

Doctoral Thesis / Dissertation from the year 2013 in the subject Mathematics -

Miscellaneous, course: P.Hd, language: English, abstract: Topology is a silent inducer and a strong trend setter as it is a fundamental field in mathematics. It provides many basic concepts for modern analysis, hence many Mathematicians and Scientists apply the concept of Topology to understand the real world phenomena. The three basic foundations in topology are general Topology, Algebraic Topology and Differential Topology. Grills, which is the main focus of this thesis comes under the head of general Topology. The idea of grills was introduced by Choquet in 1947. It is observed from the literature that the concept of grills is a powerful, supporting tool like nets and filters. B.Roy and M.N.Mukherjee developed the topology induced by grills. Further they proposed the definition of compactness through grills in and extended their study to fuzzy grill topology. Fuzzy set was introduced by Zadeh. Fuzzy topology was initiated by Chang and it paved a way for a new era of fuzzy topology. Several researchers conducted on the generalizations of the notion of fuzzy topology. The intuitionistic fuzzy set was first published by K.Atanassov. Later topological structures in fuzzy topological spaces is generalized to " Intuitionistic fuzzy topological spaces" by Coker in. Athar and Ahmad defined the notion of fuzzy boundary in FTS and studied the properties of fuzzy semi boundary. [...]

Microbial Diversity in the Genomic Era presents insights on the techniques used for microbial taxonomy and phylogeny, along with their applications and respective pros and cons. Though many advanced techniques for the identification of any unknown bacterium are available in the genomics era, a far fewer number of the total microbial species have been discovered and identified to date. The assessment of microbial taxonomy and biosystematics techniques discovered and practiced in the current genomics era with suitable recommendations is the prime focus of this book. Discusses the techniques used for microbial taxonomy and phylogeny with their applications and respective pros and cons Reviews the evolving field of bacterial typing and the genomic technologies that enable comparative analysis of multiple genomes and the metagenomes of complex microbial environments Provides a uniform, standard methodology for species designation

Driven in part by the development of genomics, proteomics, and bioinformatics as new disciplines, there has been a tremendous resurgence of interest in physical methods to investigate macromolecular structure and function in the context of living cells. This volume in Methods in Cell Biology is devoted to biophysical techniques in vitro and their applications to cellular biology. Biophysical Tools for Biologists covers methods-oriented chapters on fundamental as well as cutting-edge techniques in molecular and cellular biophysics. This book is directed toward the broad audience of cell biologists, biophysicists, pharmacologists, and molecular biologists who employ classical and modern biophysical technologies or wish to expand their expertise to include such approaches. It will also interest the biomedical and biotechnology communities for biophysical characterization of drug formulations prior to FDA approval. Describes techniques in the context of important biological problems Delineates critical steps and potential pitfalls for each method Includes full-color plates to illustrate techniques Matrix theory has been used to simplify the subject matter. Basic ideas of Vector Algebra and Analysis will be helpful to bridge the modern treatments of different branches.

Modern Approaches in Drug Discovery, Volume 611, the latest release in the Methods

in Enzymology series, highlights new advances in the field, with this new volume presenting interesting chapters on topics such as Target Identification and Validation, Cell Painting/High Content Imaging, Target ID using chemical probes, Mining the microbiome for targets, Data driven approaches for diversity and drug-likeness, Affinity-based screening, Fragment screening (X-ray), Array-based approaches, Hit-to-lead: assessment and improvement of drug-like properties, Hit assessment and prioritization, Lead Optimization: fine tuning and risk mitigation, and more. Provides the authority and expertise of leading contributors from an international board of authors Presents the latest release in the Methods in Enzymology series Updated release includes the latest information on the Intrinsically Disordered Proteins

Protestant Textuality and the Tamil Modern Political Oratory and the Social Imaginary in South Asia Stanford University Press

Data mining analysis techniques have undergone significant developments in recent years. This has led to improved uses throughout numerous functions and applications. Intelligent Multidimensional Data Clustering and Analysis is an authoritative reference source for the latest scholarly research on the advantages and challenges presented by the use of cluster analysis techniques. Highlighting theoretical foundations, computing paradigms, and real-world applications, this book is ideally designed for researchers, practitioners, upper-level students, and professionals interested in the latest developments in cluster analysis for large data sets.

This book has been mainly written for the research workers and students of various Universities, who are interested to use eco-friendly indigenous plant materials in pest management programme. The book provides a brief amount on different plants having pesticidal properties viz., plant taxonomy, geographical distribution, chemical constitutions and their structural formula, their mode of action, procedure for preparation and their safety to non target organisms. It is hoped that this book will be very useful to graduate/post graduate students of Agriculture as well as Basic science, researchers and extension workers. This book will be useful to environmentalists who are interested to minimize the use of synthetic chemicals in pest management programme and also for the pesticide formulation industries to develop newer molecules based on phytochemicals. Every attempt has been made to provide necessary information for students and researchers, which is hardly available in other books.

A free open access ebook is available upon publication. Learn more at www.luminosoa.org. The Emergence of Modern Hinduism argues for the importance of regional, vernacular innovation in processes of Hindu modernization. Scholars usually trace the emergence of modern Hinduism to cosmopolitan reform movements, producing accounts that overemphasize the centrality of elite religion and the influence of Western ideas and models. In this study, the author considers religious change on the margins of colonialism by looking at an important local figure, the Tamil Shaiva poet and mystic Ramalinga Swami (1823–1874). Weiss narrates a history of Hindu modernization that demonstrates the transformative role of Hindu ideas, models, and institutions, making this text essential for scholarly audiences of South Asian history, religious studies, Hindu studies, and South Asian studies.

In a globalized society, individuals in business, government, and a variety of other fields must frequently communicate and work with individuals of different cultures and

backgrounds. Effectively bridging the culture gap is critical to success in such scenarios. *Cross-Cultural Interaction: Concepts, Methodologies, Tools, and Applications* explores contemporary research and historical perspectives on intercultural competencies and transnational organizations. This three-volume compilation will present a compendium of knowledge on cultural diversity and the impact this has on modern interpersonal interactions. Within these pages, a variety of researchers, scholars, professionals, and leaders who interact regularly with the global society will find useful insight and fresh perspectives on the field of cross-cultural interaction.

The majority of microbes in many environments are considered “as yet uncultured” and were traditionally considered inaccessible for study through the microbiological gold standard of pure culture. The emergence of metagenomic approaches has allowed researchers to access and study these microbes in a culture-independent manner through DNA sequencing and functional expression of metagenomic DNA in a heterologous host. Metagenomics has revealed an extraordinary degree of diversity and novelty, not only among microbial communities themselves, but also within the genomes of these microbes. This Research Topic aims to showcase the utility of metagenomics to gain insights on the microbial and genomic diversity in different environments by revealing the breadth of novelty that was in the past, largely untapped. In the world of mathematics and computer science, technological advancements are constantly being researched and applied to ongoing issues. Setbacks in social networking, engineering, and automation are themes that affect everyday life, and researchers have been looking for new techniques in which to solve these challenges. Graph theory is a widely studied topic that is now being applied to real-life problems. *The Handbook of Research on Advanced Applications of Graph Theory in Modern Society* is an essential reference source that discusses recent developments on graph theory, as well as its representation in social networks, artificial neural networks, and many complex networks. The book aims to study results that are useful in the fields of robotics and machine learning and will examine different engineering issues that are closely related to fuzzy graph theory. Featuring research on topics such as artificial neural systems and robotics, this book is ideally designed for mathematicians, research scholars, practitioners, professionals, engineers, and students seeking an innovative overview of graphic theory.

This book constitutes the refereed proceedings of the 13th International Conference on Advanced Concepts for Intelligent Vision Systems, ACIVS 2011, held in Ghent, Belgium, in August 2011. The 66 revised full papers presented were carefully reviewed and selected from 124 submissions. The papers are organized in topical sections on classification recognition, and tracking, segmentation, images analysis, image processing, video surveillance and biometrics, algorithms and optimization; and 3D, depth and scene understanding.

Increase in world population, extreme weather conditions, decrease in fresh water supplies, and changes of dietary habits are major issues that affect global food security. We are expected to face the challenges of land use by 2050 because population will reach 9 billion while agricultural productivity losses are expected due to overuse of lands. How can we feed the next generations in a manner that respects our finite natural resources? Managing our resources in a sustainable way have only begun for

selected crops. Much remains to be done to increase food yield. Cropping practices capable of sustainable production need to be elaborated, especially in fragile ecosystems. Typical applications will include the improvement and use of genetic resources; crop management and diversification; diffusion of improved varieties; development of cropping systems; sustainable cropping systems for areas prone to environmental degradation; use of agro-ecological data for crop production forecasting; and networks for regional coordination, and data exchange. The impetus behind this book is to bring attention to a cropping system that bears direct relevance to sustainable agriculture and food security. "Underutilized" crops are found in numerous agricultural ecosystems and often survive mainly in marginal areas. It is timely to review their status because, in recent decades, scientific and economic interests have emerged which focus on lesser-known cultivated species. Underutilized crops have a great potential to alleviate hunger directly, through increasing food production in challenging environments where major crops are severely limited. "Global Perspectives on Underutilized Crops" is therefore topical and highlights the unmet agricultural challenges that we face today. This book is an important resource for students and researchers of crop science and agricultural policy makers.

Innovations in Computing Sciences and Software Engineering includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Computer Science, Software Engineering, Computer Engineering, and Systems Engineering and Sciences. Topics Covered: •Image and Pattern Recognition: Compression, Image processing, Signal Processing Architectures, Signal Processing for Communication, Signal Processing Implementation, Speech Compression, and Video Coding Architectures. •Languages and Systems: Algorithms, Databases, Embedded Systems and Applications, File Systems and I/O, Geographical Information Systems, Kernel and OS Structures, Knowledge Based Systems, Modeling and Simulation, Object Based Software Engineering, Programming Languages, and Programming Models and tools. •Parallel Processing: Distributed Scheduling, Multiprocessing, Real-time Systems, Simulation Modeling and Development, and Web Applications. •Signal and Image Processing: Content Based Video Retrieval, Character Recognition, Incremental Learning for Speech Recognition, Signal Processing Theory and Methods, and Vision-based Monitoring Systems. •Software and Systems: Activity-Based Software Estimation, Algorithms, Genetic Algorithms, Information Systems Security, Programming Languages, Software Protection Techniques, Software Protection Techniques, and User Interfaces. •Distributed Processing: Asynchronous Message Passing System, Heterogeneous Software Environments, Mobile Ad Hoc Networks, Resource Allocation, and Sensor Networks. •New trends in computing: Computers for People of Special Needs, Fuzzy Inference, Human Computer Interaction, Incremental Learning, Internet-based Computing Models, Machine Intelligence, Natural Language.

Comprehensive and complete, Shackelford's Surgery of the Alimentary Tract delivers the definitive, clinically oriented, cutting-edge guidance you need to achieve optimal outcomes managing the entire spectrum of gastrointestinal disorders. Make effective use of the latest endoscopic, robotic, and minimally invasive procedures as well as medical therapies with unbeatable advice from a "who's who" of international authorities! Find expert answers to any clinical question in gastrointestinal surgery, from

the esophagus to the colon. See exactly what to look for and how to proceed from an abundance of beautifully detailed intraoperative and laparoscopic photographs. Technology is a key driver behind the effects of contemporary globalization on business and other organizations worldwide. Understanding this phenomena in connection with the impact of cultural variations can help improve business and product life cycles in an era in which corporate capital and liquidity buffers must be increased for unexpected developments in global markets. Cultural and Technological Influences on Global Business is a leading publication in its field emphasizing the importance of deeply exploring the effects of cultures and technologies on the global business sector. This reference source is beneficial for professionals, researchers, and practitioners who wish to broaden their understanding of the direct relationship between culture and technology in the international business realm.

Growing consumer interest in organic and herbal-based products has led to great demand in the botanicals industry in the past few years. However, the growing number of products utilizing medicinal and aromatic plants (MAPs) has threatened an estimated 9,000 medicinal plant species worldwide, making it critical to reevaluate their research and development, production, and utilization. Continuing advances in Omics methodologies and instrumentation are essential to understanding how plants cope with the dynamic nature of their growing environment, how yields and characteristics can be improved, and how to most effectively direct conservation efforts. With a focus on metabolomics, genomics, proteomics, transcriptomics, and more, Medicinal and Aromatic Plants: Expanding Their Horizons through Omics illustrates the genetic mechanisms of MAPs, providing a better understanding of MAPs conservation and methods to improve characteristics for medical applications. With an introduction on the role of MAPs in human health, subsequent chapters discuss using proteomics to increase MAP yields and plant quality, genome editing, and CRISPR/Cas9. A valuable resource for farmers, scientists, chemists, biochemists, pharmacists, and students interested in medicinal and aromatic plants and plant biology, Medicinal and Aromatic Plants: Expanding Their Horizons through Omics ensures readers have the background knowledge to put the necessary methodologies into practice themselves. Includes in-depth analysis of Omics technologies for the enhancement of MAPs Discusses applications of MAPs including their role in human health Written by world-wide leading experts in the field

IMDC-SDSP conference offers an exceptional platform and opportunity for practitioners, industry experts, technocrats, academics, information scientists, innovators, postgraduate students, and research scholars to share their experiences for the advancement of knowledge and obtain critical feedback on their work. The timing of this conference coincides with the rise of Big Data, Artificial Intelligence powered applications, Cognitive Communications, Green Energy, Adaptive Control and Mobile Robotics towards maintaining the Sustainable Development and Smart Planning and management of the future technologies. It is aimed at the knowledge generated from the integration of the different data sources related to a number of active real-time applications in supporting the smart planning and enhance and sustain a healthy environment. The conference also covers the rise of the digital health, well-being, home care, and patient-centred era for the benefit of patients and healthcare providers; in addition to how supporting the development of a platform of smart Dynamic Health

Systems and self-management.

Metabolomics, the global characterisation of the small molecule complement involved in metabolism, has evolved into a powerful suite of approaches for understanding the global physiological and pathological processes occurring in biological organisms. The diversity of metabolites, the wide range of metabolic pathways and their divergent biological contexts require a range of methodological strategies and techniques. Methodologies for Metabolomics provides a comprehensive description of the newest methodological approaches in metabolomic research. The most important technologies used to identify and quantify metabolites, including nuclear magnetic resonance and mass spectrometry, are highlighted. The integration of these techniques with classical biological methods is also addressed. Furthermore, the book presents statistical and chemometric methods for evaluation of the resultant data. The broad spectrum of topics includes a vast variety of organisms, samples and diseases, ranging from in vivo metabolomics in humans and animals to in vitro analysis of tissue samples, cultured cells and biofluids.

This book evolved from the editors strong belief that the information and new developments that were evolving from the rapidly growing field of genomics and that are happening primarily in the developed world have not happened at a parallel rate in the developing world. One would have hoped that by now the technologies and approaches would have been adapted on a far greater scale. In addition to this, the associated information is not always easily accessible, and is not disseminated in a format that can become a useful reference for scientists, students and others who reside in developing countries.

This three volume set is a comprehensive guide to Assisted Reproductive Technology (ART) for clinicians. Volume one begins with an introduction to infertility, describing physiology, endocrinology and infertility in both men and women. The following sections provide in depth discussion on ART, from ovulation induction and intrauterine insemination, to complications, outcomes and ethical issues. The second volume is dedicated to In Vitro Fertilisation (IVF) and related procedures, whilst volume three is an atlas of embryology. This practical manual is an invaluable reference for clinicians specialising in infertility management and includes nearly 1000 full colour photographs, each with a brief description to enhance understanding. Key points Three volume set – complete guide to ART Each volume dedicated to specific topic – Infertility, IVF & Related Procedures, and Atlas of Embryology Includes nearly 1000 photographs with descriptions Invaluable reference for practising clinicians

Repair of Polymer Composites: Methodology, Techniques, and Challenges discusses fundamental issues related to the repair of composites and their suitability in various industrial sectors, such as aerospace, automotive, marine and construction, etc. The repair of composites is complex and requires a thorough understanding of the various types of damage mechanisms in order to apply the appropriate NDT techniques. This book explores these issues in significant detail and presents systematic procedures and methods, thus serving as a useful reference for both undergraduate and postgraduate students, academic researchers, engineers and other professionals who are interested in this exciting field of research.

Discusses fundamental issues related to the repair of composites and their suitability in various industrial sectors, including aerospace, automotive, marine and construction, etc. Provides comprehensive coverage, from the fundamental aspects, to real applications Serves as a useful reference for both undergraduate and postgraduate students, academic researchers, engineers and other professionals Presents different types of repair techniques by correlating different parameters and challenges

This book constitutes the refereed proceedings of the Third International Symposium on Intelligence Computation and Applications, ISICA 2008, held in Wuhan, China, in December 2008. The 93 revised full papers were carefully reviewed and selected from about 700 submissions. The papers are organized in topical sections on computational intelligence,

evolutionary computation, evolutionary multi-objective and dynamic optimization, evolutionary learning systems, neural networks, classification and recognition, bioinformatics and bioengineering, evolutionary data mining and knowledge discovery, intelligent GIS and control, theory of intelligent computation, combinatorial and numerical optimization, as well as real-world applications.

Biopharmaceuticals are a unique class of compounds due to their extreme structural complexity. The current text puts together a variety of the state-of-the-art approaches that use mass spectrometry to evaluate various aspects of biopharmaceutical products ranging from monitoring stress-related structural changes to their quantitation in pharmacokinetic studies. Discover how to build a cloud-based data warehouse at petabyte-scale that is burstable and built to scale for end-to-end analytical solutions Key Features Discover how to translate familiar data warehousing concepts into Redshift implementation Use impressive Redshift features to optimize development, productionizing, and operations processes Find out how to use advanced features such as concurrency scaling, Redshift Spectrum, and federated queries Book Description Amazon Redshift is a fully managed, petabyte-scale AWS cloud data warehousing service. It enables you to build new data warehouse workloads on AWS and migrate on-premises traditional data warehousing platforms to Redshift. This book on Amazon Redshift starts by focusing on Redshift architecture, showing you how to perform database administration tasks on Redshift. You'll then learn how to optimize your data warehouse to quickly execute complex analytic queries against very large datasets. Because of the massive amount of data involved in data warehousing, designing your database for analytical processing lets you take full advantage of Redshift's columnar architecture and managed services. As you advance, you'll discover how to deploy fully automated and highly scalable extract, transform, and load (ETL) processes, which help minimize the operational efforts that you have to invest in managing regular ETL pipelines and ensure the timely and accurate refreshing of your data warehouse. Finally, you'll gain a clear understanding of Redshift use cases, data ingestion, data management, security, and scaling so that you can build a scalable data warehouse platform. By the end of this Redshift book, you'll be able to implement a Redshift-based data analytics solution and have understood the best practice solutions to commonly faced problems. What you will learn Use Amazon Redshift to build petabyte-scale data warehouses that are agile at scale Integrate your data warehousing solution with a data lake using purpose-built features and services on AWS Build end-to-end analytical solutions from data sourcing to consumption with the help of useful recipes Leverage Redshift's comprehensive security capabilities to meet the most demanding business requirements Focus on architectural insights and rationale when using analytical recipes Discover best practices for working with big data to operate a fully managed solution Who this book is for This book is for anyone involved in architecting, implementing, and optimizing an Amazon Redshift data warehouse, such as data warehouse developers, data analysts, database administrators, data engineers, and data scientists. Basic knowledge of data warehousing, database systems, and cloud concepts and familiarity with Redshift will be beneficial.

Throughout history, speech and storytelling have united communities and mobilized movements. Protestant Textuality and the Tamil Modern examines this phenomenon in Tamil-speaking South India over the last three centuries, charting the development of political oratory and its influence on society. Supplementing his narrative with thorough archival work, Bernard Bate begins with Protestant missionaries' introduction of the sermonic genre and takes the reader through its local vernacularization. What originally began as a format of religious speech became an essential political infrastructure used to galvanize support for new social imaginaries, from Indian independence to Tamil nationalism. Completed by a team of Bate's colleagues, this ethnography marries linguistic anthropology to performance studies and political history, illuminating new geographies of belonging in the modern era.

The Sri Lankan ethnic conflict that has occurred largely between Sinhala Buddhists and Tamil Hindus is marked by a degree of religious tolerance that sees both communities worshipping together. This study describes one important site of such worship, the ancient Hindu temple complex of Munnesvaram. Standing adjacent to one of Sri Lanka's historical western ports, the fortunes of the Munnesvaram temples have waxed and waned through the years of turbulence, violence and social change that have been the country's lot since the advent of European colonialism in the Indian Ocean. Bastin recounts the story of these temples and analyses how the Hindu temple is reproduced as a center of worship amidst conflict and competition.

These are the proceedings of the International Conference on Electrical Information and Mechatronics (ICEIM2011), held on the 23-25 December 2011 in Jiaozuo (China), which served as a platform for the exchange of related expertise. ICEIM 2011 drew together researchers from various disciplines, such as Sustainable Electrical Information and Mechatronics. The 177 papers are grouped into the chapters: Mechanical Power Engineering, Automatic and Mechanics Engineering, Optical Electrical Magnetic and Composite Materials, Mechatronic Systems Modeling and Identification, Mechatronics Engineering and Applications, Mechanical Design and Manufacturing Technology, Sensors and Detection, Fault Diagnosis and Signal Processing, Image Processing in Engineering Design, Computer-Aided Design and Simulation, and Systems Analysis and Decision. The work serves as a briefing on the current state-of-the-art of this important topic.

Doctoral Thesis / Dissertation from the year 2013 in the subject Mathematics - Miscellaneous, , course: P.Hd, language: English, abstract: Topology is a silent inducer and a strong trend setter as it is a fundamental field in mathematics. It provides many basic concepts for modern analysis, hence many Mathematicians and Scientists apply the concept of Topology to understand the real world phenomena. The three basic foundations in topology are general Topology, Algebraic Topology and Differential Topology. Grills, which is the main focus of this thesis comes under the head of general Topology. The idea of grills was introduced by Choquet in 1947. It is observed from the literature that the concept of grills is a powerful, supporting tool like nets and filters. B.Roy and M.N.Mukherjee developed the topology induced by grills. Further they proposed the definition of compactness through grills in and extended their study to fuzzy grill topology. Fuzzy set was introduced by Zadeh. Fuzzy topology was initiated by Chang and it paved a way for a new era of fuzzy topology. Several researchers conducted on the generalizations of the notion of fuzzy topology. The intuitionistic fuzzy set was first published by K.Atanassov. Later topological structures in fuzzy topological spaces is generalized to " Intuitionistic fuzzy topological spaces" by Coker in. Athar and Ahmad defined the notion of fuzzy boundary in FTS and studied the properties of fuzzy semi boundary. [...]

Two large international conferences on Advances in Engineering Sciences were

held in Hong Kong, March 13-15, 2013, under the International MultiConference of Engineers and Computer Scientists (IMECS 2013), and in London, U.K., 3-5 July, 2013, under the World Congress on Engineering 2013 (WCE 2013) respectively. IMECS 2013 and WCE 2013 were organize

This volume constitutes the refereed post-conference proceedings of the International Conference on Theoretical Computer Science and Discrete Mathematics, held in Krishnankoil, India, in December 2016. The 57 revised full papers were carefully reviewed and selected from 210 submissions. The papers cover a broad range of topics such as line graphs and its generalizations, large graphs of given degree and diameter, graphoidal covers, adjacency spectrum, distance spectrum, b-coloring, separation dimension of graphs and hypergraphs, domination in graphs, graph labeling problems, subsequences of words and Parike matrices, lambda-design conjecture, graph algorithms and interference model for wireless sensor networks.

India is known for its Ayurvedic system of medicine significantly based on therapeutic plants. Medicinal plants are used since time immemorial due to its safety, efficacy, cultural acceptability and lesser side effects as compared to synthetic drugs. In this present book, a scientific approach has been extensively applied for isolation, purification and screening of biological potential based on bioassay-guided fractionation methods. More specifically, the traditional values of therapeutic plants are correlated with scientific approach for the validation of “drug- like properties”. This book is quite helpful for finding the hidden values of therapeutic approach of ethno-medicinal plants. This book is inclusively a soul combination of pharmacognosy, biotechnology, bioinformatics and nanotechnology which are the most thrusting subjects of today’s world. This book is a must-read for science students, research scholars and scientific community who are interested in plant science.

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