

Modern Probability Theory B R Bhatt Mahesy

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Melatonin, Neuroprotective Agents and Antidepressant Therapy -
Francisco López-Muñoz 2018-07-20

This work is a guidebook for clinicians who are involved in treating depressive patients and also serves the research scientists who are working on the psychopharmacological mechanisms of antidepressant actions and psychopathological mechanisms underlying mood disorders. Mood disorders such as major depressive disorder (MDD), bipolar disorder (BPD) and seasonal affective disorder (SAD) are the most disabling disorders that are among the most expensive of all medical illnesses. The pathophysiology of mood disorders is very complex and involves many mechanisms like circadian rhythm disruption, sleep abnormalities, melatonin rhythm abnormalities and alterations in melatonin receptor mechanisms, abnormalities in monoaminergic neurotransmitter mechanisms, glutamatergic release mechanisms, hippocampal neurogenesis, and abnormal immune and cytokine release mechanisms. Many antidepressants that are in clinical use today including the recently introduced novel agents like agomelatine or other antidepressants cause clinical remission by resynchronizing disrupted circadian rhythms and melatonin receptor functions, enhancing monoaminergic neurotransmission, promoting hippocampal

neurogenesis, and regulating immune mechanisms. This book explains various etiological factors that are involved in the pathogenesis of mood disorders and the mechanisms of therapeutic actions of antidepressants including the recently introduced agomelatine and other antidepressants that exhibit rapid onset of action with greater efficacy and fewer side effects. .

Information and Communication Technologies - Vinu V Das 2010-09-03

This book constitutes the proceedings of the International Conference on Information and Communication Technologies held in Kochi, Kerala, India in September 2010.

Neurogenesis and Neural Plasticity - Catherine Belzung 2014-07-08

This volume brings together authors working on a wide range of topics to provide an up to date account of the underlying mechanisms and functions of neurogenesis and synaptogenesis in the adult brain. With an increasing understanding of the role of neurogenesis and synaptogenesis it is possible to envisage improvements or novel treatments for a number of diseases and the possibility of harnessing these phenomena to reduce the impact of ageing and to provide mechanisms to repair the brain.

Indian Books - 1987

ICoRD'13 - Amaresh Chakrabarti 2013-01-12

This book showcases over 100 cutting-edge research papers from the 4th International Conference on Research into Design (ICoRD'13) - the largest in India in this area - written by eminent researchers from over 20 countries, on the design process, methods and tools, for supporting global product development (GPD). The special features of the book are the variety of insights into the GPD process, and the host of methods and tools at the cutting edge of all major areas of design research for its support. The main benefit of this book for researchers in engineering design and GPD are access to the latest quality research in this area; for practitioners and educators, it is exposure to an empirically validated suite of methods and tools that can be taught and practiced.

Indian Book Industry - 1985

Advances in Environment Engineering and Management - Nihal Anwar Siddiqui 2021-09-02

This book presents the proceedings of the First National Conference on "Sustainable Management of Environment & Natural Resource through Innovation in Science and Technology" (SMTST2020). The book highlights the latest development and innovations in the fields of sustainability, natural resource management, ecology and its environmental fields, geosciences and geology, atmospheric sciences, sustainability, climate change, and extreme weather, global warming, and global change, the effect of climate change on the ecosystem, environment, and pollution, as well as putting a strong emphasis on the multidisciplinary studies.

Microbial Metatranscriptomics Belowground - Manoj Nath 2021-06-02

The book emphasizes role of functional microbes in soil to improve fertility and plant health in agro-ecosystem. In this compendium main emphasis is on occurrence and distribution of microbial communities, In situ active microbial quorum in rhizosphere, metratranscriptomics for microflora- and fauna, and fnctional diversity in rhizosphere. The book also highlights the importance of PGPRs in rhizosphere, root endotrophic

microbes, functional niche under biotic stress, functional niche under abiotic stress, functional root derived signals, as well as functional microbe derived signals. Approaches deployed in metatranscriptomics, and molecular Tools used in rhizosphere are also discussed in detail. The book presents content is useful for students, academicians, researchers working on soil rhizosphere and as a policy document on sustenance of agriculture.

Alternative Medicine - Edzard Ernst 2019-06-29

Alternative medicine (AM) is hugely popular; about 40% of the US general population have used at least one type of alternative treatment in the past year, and in Germany this figure is around 70%. The money spent on AM is considerable: the global market is expected to reach nearly US \$ 200 billion by 2025, with most of these funds coming directly out of consumers' pockets. The reasons for this popularity are complex, but misinformation is certainly a prominent factor. The media seem to have an insatiable appetite for the subject and often report uncritically on it. Misinformation about AM on the Internet (currently about 50 million websites are focused on AM) is much more the rule than the exception. Consumers are thus being bombarded with misinformation on AM, and they are ill-protected from such misinformation and therefore prone to making wrong, unwise or dangerous therapeutic decisions, endangering their health and wasting their money. This book is a reference text aimed at guiding consumers through the maze of AM. The concept of the book is straightforward. It has two main parts. The first, short section provides essential background on AM, explaining in simple terms what is (and what is not) good, reliable evidence, and addressing other relevant issues like, for instance, the placebo response, informed consent, integrative medicine, etc. The second and main part consists of 150 short chapters, topically grouped and each dedicated to one single alternative therapeutic or diagnostic method. In each of them, seven critical points are raised. These points relate to issues that are important for consumers' decisions whether it is worth trying the method in question. Restricting the discussion to just seven points means that issues must be prioritized to those themes which are most relevant in the

context of each given modality.

Proceedings of International Conference on Intelligent Manufacturing and Automation - Hari Vasudevan 2020-06-30

This book gathers selected papers presented at the Second International Conference on Intelligent Manufacturing and Automation (ICIMA 2020), which was jointly organized by the Departments of Mechanical Engineering and Production Engineering at Dwarkadas J. Sanghvi College of Engineering (DJSCE), Mumbai, and by the Indian Society of Manufacturing Engineers (ISME). Covering a range of topics in intelligent manufacturing, automation, advanced materials and design, it focuses on the latest advances in e.g. CAD/CAM/CAE/CIM/FMS in manufacturing, artificial intelligence in manufacturing, IoT in manufacturing, product design & development, DFM/DFA/FMEA, MEMS & nanotechnology, rapid prototyping, computational techniques, nano- & micro-machining, sustainable manufacturing, industrial engineering, manufacturing process management, modelling & optimization techniques, CRM, MRP & ERP, green, lean & agile manufacturing, logistics & supply chain management, quality assurance & environmental protection, advanced material processing & characterization of composite & smart materials. The book is intended as a reference guide for future researchers, and as a valuable resource for students in graduate and doctoral programmes.

Handbook of Total Quality Management - Christian N. Madu 2012-12-06

Quality issues are occupying an increasingly prominent position in today's global business market, with firms seeking to compete on an international level on both price and quality. Consumers are demanding higher quality standards from manufacturers and service providers, while virtually all industrialized nations have instituted quality programs to help indigenous corporations. A proliferation in nation-wide and regional quality awards such as the Baldrige award and certification to ISO 9000 series are making corporations world-wide quality-conscious and eager to implement programs of continuous improvement. To achieve competitiveness, quality practice is a necessity and this book offers an exposition of how quality can be attained. The Handbook of

Total Quality Management: Explores in separate chapters new topics such as re-engineering, concurrent engineering, ISO standards, QFD, the Internet, the environment, advanced manufacturing technology and benchmarking. Discusses the views of leading quality practitioners such as Deming, Juran, Ishikawa, Crosby and Taguchi throughout the book. Considers important strategies for quality improvement, including initiation and performance evaluation through auditing, re-engineering, and process and design innovations. With contributions from 47 authors in 13 different countries, the Handbook of Total Quality Management is invaluable as a reference guide for anyone involved with quality management and deployment, including consultants, practitioners and engineers in the professional sector, and students and lecturers of information systems, management and industrial engineering.

Metal Nanoparticles in Microbiology - Mahendra Rai 2011-04-02

Following an introduction to biogenic metal nanoparticles, this book presents how they can be biosynthesized using bacteria, fungi and yeast, as well as their potential applications in biomedicine. It is shown that the synthesis of nanoparticles using microbes is eco-friendly and results in reproducible metal nanoparticles of well-defined sizes, shapes and structures. This biotechnological approach based on the process of biomineralization exploits the effectiveness and flexibility of biological systems. Chapters include practical protocols for microbial synthesis of nanoparticles and microbial screening methods for isolating a specific nanoparticle producer as well as reviews on process optimization, industrial scale production, biomolecule-nanoparticle interactions, magnetosomes, silver nanoparticles and their numerous applications in medicine, and the application of gold nanoparticles in developing sensitive biosensors.

Psycho-Social Analysis of the Indian Mindset - Jai B.P. Sinha 2014-10-17

This volume situates Indians in the contemporary world and profiles the major facets of their thought and behaviour; then goes back to trace their roots to ancient thought to see how the past predisposes and the present guides Indians in their everyday life. The volume begins with a conceptual framework showing how the Indian worldview has

encompassed and enveloped a variety of ideas and influences from divergent sources. As a result, Indians are both collectivists and individualists, hierarchically oriented while respecting merit and quality, religious as well as secular and sexually indulgent, spiritual as well as materialists, excessively dependent but remarkably entrepreneurial, non-violent in principle but violent in practice and comfortable in shifting between analytical, synthetic as well as intuitive approaches to reality. Such a coexistence of opposites often causes inaction, hesitation and perfunctory action, but also equips Indians to be innovative by continuously aligning their thought and behaviour to the demands of a milieu. The milieu has an inner layer consisting of desh (place), kaal (time) and paatra (person), which are embedded in the larger societal contexts of castes and classes, poverty, corruption, fragmenting politics, conflicts and violence and unfolding global opportunities and challenges. Cultural heritage permeates in all these. Indians function in this tiered, multifactorial, dynamic space. This volume draws evidence from ancient texts and the latest national and international research, many of which were conducted by the author and his associates. It does not, however, hesitate to indulge in anecdotal evidence, cases and speculative ideas in order to complete the picture. The author takes an in-depth view of the Indian mindset without getting the reader lost in either the intricacies of ancient philosophical abyss or the trivialities of present-day non-events.

Reliable and Autonomous Computational Science - Sung Y. Shin
2011-02-02

Increasing size and complexity of software and hardware systems makes it harder to ensure their reliability. At the same time, the issues of autonomous computing become more critical as we more and more rely on software systems in our daily life. Such complexity is getting even more critical with the ubiquitous computing of embedded devices and other pervasive systems. These trends ask for techniques and tools for developing reliable and autonomous software which can support software engineers in their efforts. This book summarizes the state of the art of research in the diverse fields concerned, including novel designs, case studies and experimental as well as theoretical results.

Approximation Algorithms - Vijay V. Vazirani 2013-03-14

Covering the basic techniques used in the latest research work, the author consolidates progress made so far, including some very recent and promising results, and conveys the beauty and excitement of work in the field. He gives clear, lucid explanations of key results and ideas, with intuitive proofs, and provides critical examples and numerous illustrations to help elucidate the algorithms. Many of the results presented have been simplified and new insights provided. Of interest to theoretical computer scientists, operations researchers, and discrete mathematicians.

A First Course in Linear Model Theory - Nalini Ravishanker
2021-10-19

Thoroughly updated throughout, *A First Course in Linear Model Theory, Second Edition* is an intermediate-level statistics text that fills an important gap by presenting the theory of linear statistical models at a level appropriate for senior undergraduate or first-year graduate students. With an innovative approach, the authors introduce to students the mathematical and statistical concepts and tools that form a foundation for studying the theory and applications of both univariate and multivariate linear models. In addition to adding R functionality, this second edition features three new chapters and several sections on new topics that are extremely relevant to the current research in statistical methodology. Revised or expanded topics include linear fixed, random and mixed effects models, generalized linear models, Bayesian and hierarchical linear models, model selection, multiple comparisons, and regularized and robust regression. New to the Second Edition: Coverage of inference for linear models has been expanded into two chapters. Expanded coverage of multiple comparisons, random and mixed effects models, model selection, and missing data. A new chapter on generalized linear models (Chapter 12). A new section on multivariate linear models in Chapter 13, and expanded coverage of the Bayesian linear models and longitudinal models. A new section on regularized regression in Chapter 14. Detailed data illustrations using R. The authors' fresh approach, methodical presentation, wealth of examples, use of R, and introduction

to topics beyond the classical theory set this book apart from other texts on linear models. It forms a refreshing and invaluable first step in students' study of advanced linear models, generalized linear models, nonlinear models, and dynamic models.

Fixed Point Theory and Its Applications to Real World Problems - Anita Tomar 2021

"Fixed-point theory initially emerged in the article demonstrating existence of solutions of differential equations, which appeared in the second quarter of the 18th century (Joseph Liouville, 1837). Later on, this technique was improved as a method of successive approximations (Charles Emile Picard, 1890) which was extracted and abstracted as a fixed-point theorem in the framework of complete normed space (Stefan Banach, 1922). It ensures presence as well as uniqueness of a fixed point, gives an approximate technique to really locate the fixed point and the a priori and a posteriori estimates for the rate of convergence. It is an essential device in the theory of metric spaces. Subsequently, it is stated that fixed-point theory is initiated by Stefan Banach. Fixed-point theorems give adequate conditions under which there exists a fixed point for a given function and enable us to ensure the existence of a solution of the original problem. In an extensive variety of scientific issues, beginning from different branches of mathematics, the existence of a solution is comparable to the existence of a fixed point for a suitable mapping. The book "Fixed Point Theory & its Applications to Real World Problems" is an endeavour to present results in fixed point theory which are extensions, improvements and generalizations of classical and recent results in this area and touches on distinct research directions within the metric fixed-point theory. It provides new openings for further exploration and makes for an easily accessible source of knowledge. This book is apposite for young researchers who want to pursue their research in fixed-point theory and is the latest in the field, giving new techniques for the existence of a superior fixed point, a fixed point, a near fixed point, a fixed circle, a near fixed interval circle, a fixed disc, a near fixed interval disc, a coincidence point, a common fixed point, a coupled common fixed point, amiable fixed sets, strong coupled fixed

points and so on, utilizing minimal conditions. It offers novel applications besides traditional applications which are applicable to real world problems. The book is self-contained and unified which will serve as a reference book to researchers who are in search of novel ideas. It will be a valued addition to the library"--

Green Technological Innovation for Sustainable Smart Societies - Chinmay Chakraborty 2021-10-15

This book discusses the innovative and efficient technological solutions for sustainable smart societies in terms of alteration in industrial pollution levels, the effect of reduced carbon emissions, green power management, ecology, and biodiversity, the impact of minimal noise levels and air quality influences on human health. The book is focused on the smart society development using innovative low-cost advanced technology in different areas where the growth in employment and income are driven by public and private investment into such economic activities, infrastructure and assets that allow reduced carbon emissions and pollution, enhanced energy, and resource efficiency and prevention of the loss of biodiversity and ecosystem services. The book also covers the paradigm shift in the sustainable development for the green environment in the post-pandemic era. It emphasizes and facilitates a greater understanding of existing available research i.e., theoretical, methodological, well-established and validated empirical work, associated with the environmental and climate change aspects.

India and the British Empire - Douglas M. Peers 2017-02-09

South Asian History has enjoyed a remarkable renaissance over the past thirty years. Its historians are not only producing new ways of thinking about the imperial impact and legacy on South Asia, but also helping to reshape the study of imperial history in general. The essays in this collection address a number of these important developments, delineating not only the complicated interplay between imperial rulers and their subjects in India, but also illuminating the economic, political, environmental, social, cultural, ideological, and intellectual contexts which informed, and were in turn informed by, these interactions. Particular attention is paid to a cluster of binary oppositions that have

hitherto framed South Asian history, namely colonizer/colonized, imperialism/nationalism, and modernity/tradition, and how new analytical frameworks are emerging which enable us to think beyond the constraints imposed by these binaries. Closer attention to regional dynamics as well as to wider global forces has enriched our understanding of the history of South Asia within a wider imperial matrix. Previous impressions of all-powerful imperialism, with the capacity to reshape all before it, for good or ill, are rejected in favour of a much more nuanced image of imperialism in India that acknowledges the impact as well as the intentions of colonialism, but within a much more complicated historical landscape where other processes are at work.

Caste and nature - Mukul Sharma 2017-09-25

Rarely do Indian environmental discourses examine nature through the lens of caste. Whereas nature is considered as universal and inherent, caste is understood as a constructed historical and social entity. Mukul Sharma shows how caste and nature are intimately connected. He compares Dalit meanings of environment to ideas and practices of neo-Brahmanism and certain mainstreams of environmental thought. Showing how Dalit experiences of environment are ridden with metaphors of pollution, impurity, and dirt, the author is able to bring forth new dimensions on both environment and Dalits, without valorizing the latter's standpoint. Rather than looking for a coherent understanding of their ecology, the book explores the diverse and rich intellectual resources of Dalits, such as movements, songs, myths, memories, and metaphors around nature. These reveal their quest to define themselves in caste-ridden nature and building a form of environmentalism free from the burdens of caste. The Dalits also pose a critical challenge to Indian environmentalism, which has, until now, marginalized such linkages between caste and nature.

The Female Brain - Louann Brizendine, M.D. 2007-08-07

Since Dr. Brizendine wrote *The Female Brain* ten years ago, the response has been overwhelming. This New York Times bestseller has been translated into more than thirty languages, has sold nearly a million

copies between editions, and has most recently inspired a romantic comedy starring Whitney Cummings and Sofia Vergara. And its profound scientific understanding of the nature and experience of the female brain continues to guide women as they pass through life stages, to help men better understand the girls and women in their lives, and to illuminate the delicate emotional machinery of a love relationship. Why are women more verbal than men? Why do women remember details of fights that men can't remember at all? Why do women tend to form deeper bonds with their female friends than men do with their male counterparts? These and other questions have stumped both sexes throughout the ages. Now, pioneering neuropsychiatrist Louann Brizendine, M.D., brings together the latest findings to show how the unique structure of the female brain determines how women think, what they value, how they communicate, and who they love. While doing research as a medical student at Yale and then as a resident and faculty member at Harvard, Louann Brizendine discovered that almost all of the clinical data in existence on neurology, psychology, and neurobiology focused exclusively on males. In response to the overwhelming need for information on the female mind, Brizendine established the first clinic in the country to study and treat women's brain function. In *The Female Brain*, Dr. Brizendine distills all her findings and the latest information from the scientific community in a highly accessible book that educates women about their unique brain/body/behavior. The result: women will come away from this book knowing that they have a lean, mean, communicating machine. Men will develop a serious case of brain envy.

Introduction to Modern Time Series Analysis - Gebhard Kirchgässner 2008-08-27

This book presents modern developments in time series econometrics that are applied to macroeconomic and financial time series. It contains the most important approaches to analyze time series which may be stationary or nonstationary.

Modern Probability Theory - B. Ramdas Bhat 1985

A comprehensive treatment, unique in covering probability theory independently of modern theory. New edition features additional

problems, examples that show scope and limitations of various results, and enlarged chapters on laws of large numbers, extensions, and generalizations.

British Books in Print - 1984

Ballistics 2019 - V. K. Saraswat 2019-12

This book makes available original ballistics technology from around the world on a wide variety of weapons and their effects, including the design and trajectory/stability control of dozens of projectiles ranging from shells to missiles. The book's authors discuss the efficacy and development of propellants, munitions, and igniters and offer new approaches for modeling and testing. Also investigated in Volume 1 is gradient printing of energetic materials, and mechanical behavior of multiple types of explosives. Volume 2 offers research on impact and penetration data from projectile effects on surfaces ranging from natural phenomena such as water, to metallic plating and material-engineered armors. Recent advances in reactive fragments, which provide enhanced terminal effects, are presented. Detailed analysis of warhead mechanisms such as the formation and terminal effects of shaped charge jets are reported. Papers in these volumes were presented at a conference jointly organized and supported by the Aeronautical Society of India, Hyderabad Branch, India, and the International Ballistics Society.

Recent Technologies for Disaster Management and Risk Reduction - Praveen Kumar Rai 2021-08-21

This book explains to governments, decision makers and disaster professionals the potential uses of recent technologies for disaster monitoring and risk reduction based on the knowledge and experience of prominent experts/researchers in the relevant fields. It discusses the application of recent technological developments for emerging disaster risks in today's societies and deliberates on the various aspects of disaster risk reduction strategies, especially through sustainable community resilience and responses. This book consists of selected invited papers on disaster management, which focus on community

resilience and responses towards disaster risk reduction based on experiences, and closely examines the coordinated research activities involving all stakeholders, especially the communities at risk. Many regions of the world and aspects of disaster risk and its management are covered. It is described how recent technologies will support better understanding and action to reduce the number and impact of disasters in future. The principal audience for this book is researchers, urban planners, policy makers, as well as students.

Statistics As Principled Argument - Robert P. Abelson 2012-09-10

In this illuminating volume, Robert P. Abelson delves into the too-often dismissed problems of interpreting quantitative data and then presenting them in the context of a coherent story about one's research. Unlike too many books on statistics, this is a remarkably engaging read, filled with fascinating real-life (and real-research) examples rather than with recipes for analysis. It will be of true interest and lasting value to beginning graduate students and seasoned researchers alike. The focus of the book is that the purpose of statistics is to organize a useful argument from quantitative evidence, using a form of principled rhetoric. Five criteria, described by the acronym MAGIC (magnitude, articulation, generality, interestingness, and credibility) are proposed as crucial features of a persuasive, principled argument. Particular statistical methods are discussed, with minimum use of formulas and heavy data sets. The ideas throughout the book revolve around elementary probability theory, t tests, and simple issues of research design. It is therefore assumed that the reader has already had some access to elementary statistics. Many examples are included to explain the connection of statistics to substantive claims about real phenomena.

Later Mughals - William Irvine 1922

Violence Against Women and Girls - Jennifer L. Solotaroff 2014-09-04

This report documents the dynamics of violence against women in South Asia across the life cycle, from early childhood to old age. It explores the different types of violence that women may face throughout their lives, as well as the associated perpetrators (male and female), risk and

protective factors for both victims and perpetrators, and interventions to address violence across all life cycle stages. The report also analyzes the societal factors that drive the primarily male — but also female — perpetrators to commit violence against women in the region. For each stage and type of violence, the report critically reviews existing research from Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, and Sri Lanka, supplemented by original analysis and select literature from outside the region. Policies and programs that address violence against women and girls are analyzed in order to highlight key actors and promising interventions. Finally, the report identifies critical gaps in research, program evaluations, and interventions in order to provide strategic recommendations for policy makers, civil society, and other stakeholders working to mitigate violence against women in South Asia.

Travels of Bollywood Cinema - Anjali Gera Roy 2014-11-10

From Bombay (Mumbai) and other production centres on the Indian subcontinent, Indian popular cinema has travelled globally for nearly a century, culminating in the Bollywood-inspired, Oscar-winning film *Slumdog Millionaire*. This volume brings together perspectives on Indian popular cinema, universally known as Bollywood now, from different disciplinary and geographical locations to look afresh at national cinemas. It shows how Bollywood cinema has always crossed borders and boundaries: from the British Malaya, Fiji, Guyana, Trinidad, Mauritius, and East and South Africa to the former USSR, West Asia, the UK, the USA, Canada, and Australia. While looking at the meanings of nation, diaspora, home, and identity in cinematic texts and contexts, the essays also examine how localities are produced in the new global process by broadly addressing nationalism, regionalism, and transnationalism, politics and aesthetics, as well as spectatorship and viewing contexts.

Books in Print Supplement - 1987

Includes authors, titles, subjects.

Computing and Network Sustainability - Sheng-Lung Peng 2019-05-02

This book offers a compilation of technical papers presented at the International Research Symposium on Computing and Network Sustainability (IRSCNS 2018) held in Goa, India on 30–31st August 2018.

It covers areas such as sustainable computing and security, sustainable systems and technologies, sustainable methodologies and applications, sustainable networks applications and solutions, user-centered services and systems and mobile data management. Presenting novel and recent technologies, it is a valuable resource for researchers and industry professionals alike.

Proceedings of the International Conference on Paradigms of Computing, Communication and Data Sciences - Mayank Dave 2021-02-19

This book presents best selected papers presented at the International Conference on Paradigms of Computing, Communication and Data Sciences (PCCDS 2020), organized by National Institute of Technology, Kurukshetra, India, during 1–3 May 2020. It discusses high-quality and cutting-edge research in the areas of advanced computing, communications and data science techniques. The book is a collection of latest research articles in computation algorithm, communication and data sciences, intertwined with each other for efficiency.

Medicinal Plants and Natural Product Research - Milan S. Stankovic 2020-02-14

The book entitled *Medicinal Plants and Natural Product Research* describes various aspects of ethnopharmacological uses of medicinal plants; extraction, isolation, and identification of bioactive compounds from medicinal plants; various aspects of biological activity such as antioxidant, antimicrobial, anticancer, immunomodulatory activity, etc., as well as characterization of plant secondary metabolites as active substances from medicinal plants.

The Design of Approximation Algorithms - David P. Williamson 2011-04-26

Discrete optimization problems are everywhere, from traditional operations research planning (scheduling, facility location and network design); to computer science databases; to advertising issues in viral marketing. Yet most such problems are NP-hard; unless $P = NP$, there are no efficient algorithms to find optimal solutions. This book shows how to design approximation algorithms: efficient algorithms that find

provably near-optimal solutions. The book is organized around central algorithmic techniques for designing approximation algorithms, including greedy and local search algorithms, dynamic programming, linear and semidefinite programming, and randomization. Each chapter in the first section is devoted to a single algorithmic technique applied to several different problems, with more sophisticated treatment in the second section. The book also covers methods for proving that optimization problems are hard to approximate. Designed as a textbook for graduate-level algorithm courses, it will also serve as a reference for researchers interested in the heuristic solution of discrete optimization problems.

Data Analytics and Management - Ashish Khanna 2021-01-04

This book includes original unpublished contributions presented at the International Conference on Data Analytics and Management (ICDAM 2020), held at Jan Wyzykowski University, Poland, during June 2020. The book covers the topics in data analytics, data management, big data, computational intelligence, and communication networks. The book presents innovative work by leading academics, researchers, and experts from industry which is useful for young researchers and students.

Moving Out of Poverty - Deepa Narayan 2009-12-09

There is no peace with hunger. Only promises and promises and no fulfillment. If there is no job, there is no peace. If there is nothing to cook in the pot, there is no peace. - Oscar, a 57-year-old man, El Gorri n, Colombia They want to construct their houses near the road, and they cannot do that if they do not have peace with their enemies. So peace and the road have developed a symbiotic relation. One cannot live without the other. . . . - A community leader from a conflict-affected community on the island of Mindanao, Philippines Most conflict studies focus on the national level, but this volume focuses on the community level. It explores how communities experience and recover from violent conflict, and the surprising opportunities that can emerge for poor people to move out of poverty in these harsh contexts. 'Rising from the Ashes of Conflict' reveals how poor people s mobility is shaped by local

democracy, people s associations, aid strategies, and the local economic environment in over 100 communities in seven conflict-affected countries, including Afghanistan. The findings suggest the need to rethink postconflict development assistance. This is the fourth volume in a series derived from the Moving Out of Poverty study, which explores mobility from the perspectives of poor people in more than 500 communities across 15 countries.

Advances in Modeling and Interpretation in Near Surface Geophysics - Arkoprovo Biswas 2020-01-01

This book deals primarily with the aspects of advances in near surface geophysical data modeling, different interpretation techniques, new ideas and an integrated study to delineate the subsurface structures. It also involves the practical application of different geophysical methods to delineate the subsurface structures associated with mineral, groundwater exploration, subsurface contamination, hot springs, coal fire etc. This book is specifically aimed with the state-of-art information regarding research advances and new developments in these areas of study, coupled to extensive modeling and field investigations obtained from around the world. It is extremely enlightening for the research workers, scientists, faculty members and students, in Applied Geophysics, Near Surface Geophysics, Potential Field, Electrical and Electromagnetic Methods, Mathematical Modeling Techniques in Earth Sciences, as well as Environmental Geophysics.

Advances in Interdisciplinary Engineering - Mukul Kumar 2020-08-14

This book presents select proceedings of the International Conference on Future Learning Aspects of Mechanical Engineering (FLAME 2018). The book discusses interdisciplinary areas such as automobile engineering, mechatronics, applied and structural mechanics, bio-mechanics, biomedical instrumentation, ergonomics, biodynamic modeling, nuclear engineering, agriculture engineering, and farm machineries. The contents of the book will benefit both researchers and professionals.

Guide to Indian Periodical Literature - 1989