

Arthamulla Hindu Matham Vols 1 10 Kannadasan Dhaze

Mathematical Analysis and Applications *The Smile of Murugan* **National Union Catalog** **Life Lessons - from Tamil Poet Kannadasan** **Wireless Sensor Networks** **Anna Wireless Sensor Networks** *The National Union Catalogs, 1963- Pride of Tamil Cinema 1931-2013* **Physics of Particles, Nuclei and Materials** *Library of Congress Catalogs* *Earthworm Assisted Remediation of Effluents and Wastes* *Total Population and Population of Scheduled Castes and Scheduled Tribes in Municipalities, 1981 Census: Vellore region (Chengalpattu, North Arcot and Dharmapuri Districts)* **The Center for Research Libraries Catalogue: Monographs** *Theories in Geography* *Social and Sustainability Marketing* **The Social Constructions and Experiences of Madness** **Microbial Bioremediation & Biodegradation** *Press in India* **Records of the Geological Survey of India** *Environmental Nanotechnology for Water Purification* **Hybrid Artificial Intelligent Systems** *Pattern Recognition and Machine Intelligence* *Library of Congress Catalog* *Current Consumer Cases* **A Discography of Hindustani and Karnatic Music** *Cyber Security and Threats: Concepts, Methodologies, Tools, and Applications* **Handbook of Immunological Properties of Engineered Nanomaterials** **This Book Is Gay** **Sustainable Food Waste-to-Energy Systems** *Applications of Nanotechnology for Green Synthesis* *Communication, Smart Technologies and Innovation for Society* *The Astrological Magazine* *Futuristic Trends in Networks and Computing Technologies* **Applications of Artificial Intelligence and Machine Learning** *The Epic City* *Indian National Bibliography* *RRB Non-Technical / Clerical Cadre* **Green Polymers and Environmental Pollution Control** *Controlled Drug Delivery Systems*

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The National Union Catalogs, 1963- Mar 26 2022

Life Lessons - from Tamil Poet Kannadasan Jul 30 2022 Tribute to Tamil Poet Kannadasan. Some of his famous and ever-green song lyrics translated in English along with the original Tamil text. English transliteration also available to help people who are interested in hearing the spoken Tamil. The text will help Tamil speakers users across the countries to re-ignite their favorite songs. This will also help non-Tamil speakers to value the rich content of Tamil words and the appropriate usage by the great poet Kannadasan.

Applications of Artificial Intelligence and Machine Learning Nov 29 2019 The book presents a collection of peer-reviewed articles from the International Conference on Advances and Applications of Artificial Intelligence and Machine Learning—ICAAAIML 2021. The book covers research in the areas of artificial intelligence, machine learning, and deep learning applications in health care, agriculture, business, and security. This book contains research papers from academicians, researchers as well as students. There are also papers on core concepts of computer networks, intelligent system design and deployment, real-time systems, wireless sensor networks, sensors and sensor nodes, software engineering, and image processing. This book is a valuable resource for students, academics, and practitioners in the industry working on AI applications.

Indian National Bibliography Sep 27 2019

A Discography of Hindustani and Karnatic Music Sep 07 2020 This exhaustive and complete discography of Indian music issued on microgroove discs and cassettes provides information on over 2,700 recordings of classical and semiclassical music of the Indian subcontinent. It covers the period from the early 1950s to the end of 1983 and also contains information on recordings from the early 1930s onward that were originally issued at 78 RPM and have been reissued on microgroove discs. The main text of the discography is divided into five sections: Hindustani Instrumental, Hindustani Vocal, Karnatic Instrumental, Karnatic Vocal, and Anthologies. Artists are listed alphabetically and brief biographical information is provided when possible. The recordings are indexed by Raga and Tala (the melody and the rhythm), thus allowing comparison between different recordings of the same piece. An instrumental index is included as are indexes to several styles of vocal performance.

Communication, Smart Technologies and Innovation for Society Mar 02 2020 This book gathers high-quality papers presented at International Conference on Science, Technology and Innovation for Society (CITIS 2021), held in Guayaquil, Ecuador, on May 26–28, 2021. This book will present the recent research trends in the fields of software engineering, big data analysis, cloud computing, data engineering, data management and data mining, machine learning, deep learning, artificial intelligence, smart systems, robotics and automation, mechatronic design, and industrial processes design.

Pride of Tamil Cinema 1931-2013 Feb 22 2022

Physics of Particles, Nuclei and Materials Jan 24 2022 Presents latest developments in the fields of high, intermediate and low energy physics as well as in molecular and solid materials. With a detailed introduction, the subject matter is reviewed to its latest status, such as: High energy physics _ empirical approach systematizing the information on masses & spins etc, fundamental theories of antimatter, quarks & neutrino mass Intermediate energy _ hot and dense nuclear matter Low energy physics _ nuclear mass formula, "halo" structure of light, cold nuclear phenomena (i.e., cold fission) Solid materials _ carbon clusters, semiconductors and phenomenon of atomic diffusion in solids Illustrating both present and future possibilities of new electrochromic materials and devices along with advances in Physics of molecular fluids and molecular materials in cosmic objects.

National Union Catalog Aug 31 2022 Includes entries for maps and atlases.

Social and Sustainability Marketing Jul 18 2021 "... an important intervention in the conversation around social and ecological sustainability that draws on both micromarketing and macromarketing scholarship to help the reader understand the challenges with illustrations from insightful cases both from emerging and developed economies. This compilation should be essential reading for the discerning student of sustainable consumption and production." -- Professor Pierre McDonagh, Associate Editor, Journal of Macromarketing (USA); Professor of Critical Marketing & Society, University of Bath, UK Experts in the field of economics, management science, and particularly in the marketing domain have always been interested in and acknowledged the importance of sustaining profitable businesses while incorporating societal and environmental concerns; however, the level of existing literature and availability of teaching cases reflect a dearth of real case studies, especially those focused on marketing for social good. This book of actual case studies will address that need. In addition, this book is important and timely in providing a case book for instructors (those in both industry and academia) to help them in teaching and training the next generation of leaders through corporate training and universities. Currently, marketing for social good is increasingly becoming a part of most curriculums under the umbrella of different titles, such as social marketing, green marketing, and sustainability marketing. The relevance of these studies is increasing across the globe. This book is composed of long and short real cases with varying complexity in different sectors. This case book will also cover some review articles for an overview of the recent developments in the study area. With these case studies, collections of questions, teaching materials, and real-life marketing scenarios, this book offers a unique source of knowledge to marketing professionals, students, and educators across the world. The main objective of this case book is to understand the applicability of marketing science (marketing for social good context, such as social marketing and sustainability marketing) in internet marketing related to e-buying behavior and e-WOM. In addition, it illustrates the various types of existing marketing practices that are relevant from both theoretical and practical points of view in this electronic era, as well as discussing other non-electronic marketing practices and focusing on consumer buying behavior. As a result, marketing managers can treat their customers according to their desired value. This book particularly explores the possibilities and advantages created by social marketing and sustainability marketing through the presentation of thorough review articles and case studies. This case book helps corporate training centers and universities with compact teaching reference materials in their relevant courses.

Mathematical Analysis and Applications Nov 02 2022 This book collects original peer-reviewed contributions presented at the "International Conference on Mathematical Analysis and Applications (MAA 2020)" organized by the Department of Mathematics, National Institute of Technology Jamshedpur, India, from 2–4 November 2020. This book presents peer-reviewed research and survey papers in mathematical analysis that cover a broad range of areas including approximation theory, operator theory, fixed-point theory, function spaces, complex analysis, geometric and univalent function theory, control theory, fractional calculus, special functions, operation research, theory of inequalities, equilibrium problem, Fourier and wavelet analysis, mathematical physics, graph theory, stochastic orders and numerical analysis. Some chapters of the book discuss the applications to real-life situations. This book will be of value to researchers

and students associated with the field of pure and applied mathematics.

The Epic City Oct 28 2019 Shortlisted for the 2018 Ondaatje Prize Shortlisted for the Stanford Dolman Travel Book of the Year A masterful and entirely fresh portrait of great hopes and dashed dreams in a mythical city from a major new literary voice. Everything that could possibly be wrong with a city was wrong with Calcutta. When Kushanava Choudhury arrived in New Jersey at the age of twelve, he had already migrated halfway around the world four times. After graduating from Princeton, he moved back to the world which his immigrant parents had abandoned, to a city built between a river and a swamp, where the moisture-drenched air swarms with mosquitos after sundown. Once the capital of the British Raj, and then India's industrial and cultural hub, by 2001 Calcutta was clearly past its prime. Why, his relatives beseeched him, had he returned? Surely, he could have moved to Delhi, Bombay or Bangalore, where a new Golden Age of consumption was being born. Yet fifteen million people still lived in Calcutta. Working for the Statesman, its leading English newspaper, Kushanava Choudhury found the streets of his childhood unchanged by time. Shouting hawkers still overran the footpaths, fish-sellers squatted on bazaar floors; politics still meant barricades and bus burnings, while Communist ministers travelled in motorcades. Sifting through the chaos for the stories that never make the papers, Kushanava Choudhury paints a soulful, compelling portrait of the everyday lives that make Calcutta. Written with humanity, wit and insight, *The Epic City* is an unforgettable depiction of an era, and a city which is a world unto itself.

RRB Non-Technical / Clerical Cadre Aug 26 2019

Pattern Recognition and Machine Intelligence Dec 11 2020 The two-volume set of LNCS 11941 and 11942 constitutes the refereed proceedings of the 8th International Conference on Pattern Recognition and Machine Intelligence, PReMI 2019, held in Tezpur, India, in December 2019. The 131 revised full papers presented were carefully reviewed and selected from 341 submissions. They are organized in topical sections named: Pattern Recognition; Machine Learning; Deep Learning; Soft and Evolutionary Computing; Image Processing; Medical Image Processing; Bioinformatics and Biomedical Signal Processing; Information Retrieval; Remote Sensing; Signal and Video Processing; and Smart and Intelligent Sensors.

Futuristic Trends in Networks and Computing Technologies Dec 31 2019 This book constitutes the refereed proceedings of the Fourth International Conference on Futuristic Trends in Network and Communication Technologies, FTNCT 2021. The prime aim of the conference is to invite researchers from different domains of network and communication technologies to a single platform to showcase their research ideas. The selected papers are organized in topical sections on network and computing technologies; wireless networks and Internet of Things (IoT); futuristic computing technologies; communication technologies, security, and privacy. The volume will serve as a reference resource for researchers and practitioners in academia and industry.

The Smile of Murugan Oct 01 2022

Anna May 28 2022 AN ILLUMINATING ACCOUNT OF THE DMK AND ITS CHARISMATIC FOUNDER In 1967, C.N. Annadurai became the chief minister of Madras state, when his party, the DMK, swept to power for the first time. In this definitive biography, R. Kannan traces the growth of Annadurai—from a young protégé of the radical thinker Periyar E.V. Ramasamy into a revered leader known as Anna, or elder brother. Kannan draws on Anna's considerable body of writing, and the memoirs of other leaders and authors in Tamil, to candidly examine Anna's complex relationship with Periyar and his disillusionment with the corruption he witnessed when in power. Featuring luminaries like Rajagopalachari and Kamaraj, K. Karunanidhi and MGR, among many others, Anna offers a warm and rounded portrait of a man who showed the way for the democratic expression of regional aspirations within a united India.

Green Polymers and Environmental Pollution Control Jul 26 2019 Green Polymers and Environment Pollution Control examines the latest developments in the important and growing field of producing conventional polymers from sustainable sources. Presenting cutting-edge research from a group of leading international researchers from academia, government, and industrial institutions, the book explains what green polymers are, why green polymers are needed, which green polymers to use, and how manufacturing companies can integrate them into their manufacturing operations. It goes on to provide guidelines for implementing sustainable practices for traditional petroleum-based plastics, biobased plastics, and recycled plastics. With recent advancements in synthesis technologies and the discovery of new functional monomers, research shows that green polymers with better properties can be produced from renewable resources. The book describes these advances in synthesis, processing, and technology. It provides not only state-of-the-art information but also acts to stimulate research in this direction. Green Polymers and Environment Pollution Control offers an excellent resource for researchers, upper-level graduate students, brand owners, environment and sustainability managers, business development and innovation professionals, chemical engineers, plastics manufacturers, agriculture specialists, biochemists, and suppliers to the industry to debate sustainable, economic solutions for polymer synthesis.

Microbial Bioremediation & Biodegradation May 16 2021 Microbial or biological degradation has long been the subject of active concern, and the rapid expansion and growing sophistication of various industries in the last century has significantly increased the volume and complexity of toxic residues of wastes. These can be remediated by plants and microbes, either natural origin or adapted for a specific purpose, in a process known as bioremediation. The interest in microbial biodegradation of pollutants has intensified in recent years in an attempt to find sustainable ways to clean contaminated environments. These bioremediation and biotransformation methods take advantage of the tremendous microbial catabolic diversity to degrade, transform or accumulate a variety of compounds, such as hydrocarbons, polychlorinated biphenyls, polaromatic hydrocarbons pharmaceutical substances, radionuclides and metals. Unlike conventional methods, bioremediation does not physically disturb the site. This book describes the basic principles of biodegradation and shows how these principles are related to bioremediation. Authored by leading, international environmental microbiologists, it discusses topics such as aerobic biodegradation, microbial degradation of pollutants, and microbial community dynamics. It provides valuable insights into how biodegradation processes work and can be utilised for pollution abatement, and as such appeals to researchers and postgraduate students as well as experts in the field of bioremediation.

The Center for Research Libraries Catalogue: Monographs Sep 19 2021

Controlled Drug Delivery Systems Jun 24 2019 This book will describe current research on drug delivery systems that encompass four broad categories, namely: routes of delivery, delivery vehicles, payload, and targeting strategies. Where appropriate delivery vehicles and relevant release of specific agents in any of these categories in clinical application will be discussed. All chapters will highlight the translational aspects of the various technologies discussed and will provide insights into the advantages of such delivery systems over current ones in clinical or research use. Each technology reviewed in this book will have significant potential to improve patients' lives by enhancing the therapeutic efficacy of drugs. This book: Discusses the various factors that mitigate effective oral insulin delivery and the current status of research efforts to overcome these barriers along with recent clinical projections Examines the advantages and disadvantages of each drug delivery system Examines the standard method of accomplishing controlled drug release through the incorporation of the drugs within polymeric biomaterials such as capsules and microcapsules as well as other vehicles such as liposomes Discusses various controlled drug delivery systems, including sustained release delivery systems and pulse or delayed release, e.g. to target different regions of the gastrointestinal tract. In view of these wide-ranging technological areas, and the up-to-date discussions of opportunities and challenges associated with these applications, the book should provide readers from technology, materials science, pharmacology and clinical disciplines with very valuable information.

The Astrological Magazine Jan 30 2020

Handbook of Immunological Properties of Engineered Nanomaterials Jul 06 2020 The Handbook of Immunological Properties of Engineered Nanomaterials provides a comprehensive overview of the current literature, methodologies, and translational and regulatory considerations in the field of nanoimmunotoxicology. The main subject is the immunological properties of engineered nanomaterials. Focus areas include interactions between engineered nanomaterials and red blood cells, platelets, endothelial cells, professional phagocytes, T cells, B cells, dendritic cells, complement and coagulation systems, and plasma proteins, with discussions on nanoparticle sterility and sterilization. Each chapter presents a broad literature review of the given focus area, describes protocols and resources available to support research in the individual focus areas, highlights challenges, and outlines unanswered questions and future directions. In addition, the Handbook includes an overview of and serves a guide to the physicochemical characterization of engineered nanomaterials essential to conducting meaningful immunological studies of nanoparticles. Regulations related to immunotoxicity testing of materials prior to their translation into the clinic are also reviewed. The Handbook is written by top experts in the field of nanomedicine, nanotechnology, and translational bionanotechnology, representing academia, government, industry, and consulting organizations, and regulatory agencies. The Handbook is designed to serve as a textbook for students, a practical guide for research laboratories, and an informational resource for scientific consultants, reviewers, and policy makers. It is written such that both experts and beginners will find the information highly useful and applicable.

Hybrid Artificial Intelligent Systems Jan 12 2021 This book constitutes the refereed proceedings of the 15th International Conference on Hybrid Artificial Intelligent Systems, HAIS 2020, held in Gijón, Spain, in November 2020. The 65 regular papers presented in this book were carefully reviewed and selected from 106 submissions. The papers are grouped into these topics: advanced data processing and visualization techniques; bio-inspired models and optimization; learning algorithms; data mining, knowledge discovery and big data; and hybrid artificial intelligence applications.

Earthworm Assisted Remediation of Effluents and Wastes Nov 21 2021 This book provides updated and comprehensive information on the effective functioning of earthworms used alone or in combination with other biological systems/microbes, as well as factors affecting the process and performance of vermiremediation under a range of conditions. It also compares earthworm assisted vermifiltration with other conventional biochemical methods. Presenting cutting-edge research on the earthworm assisted remediation of industrial and municipal effluents and sludges, along with its role in solid waste management

(SWM), the book will benefit readers from the research community and industrial sector alike, familiarizing them with the latest remediation techniques for wastewater and different types of solid waste.

Applications of Nanotechnology for Green Synthesis Apr 02 2020 Traditional methods in synthetic chemistry produce chemical waste and byproducts, yield smaller desired products, and generate toxic chemical substances, but the past two centuries have seen consistent, greener improvements in organic synthesis and transformations. These improvements have contributed to substance handling efficiency by using green-engineered forerunners like sustainable techniques, green processes, eco-friendly catalysis, and have minimized energy consumption, reduced potential waste, improved desired product yields, and avoided toxic organic precursors or solvents in organic synthesis. Green synthesis has the potential to have a major ecological and monetary impact on modern pharmaceutical R&D and organic chemistry fields. This book presents a broad scope of green techniques for medicinal, analytical, environmental, and organic chemistry applications. It presents an accessible overview of new innovations in the field, dissecting the highlights and green chemistry attributes of approaches to green synthesis, and provides cases to exhibit applications to pharmaceutical and organic chemistry. Although daily chemical processes are a major part of the sustainable development of pharmaceuticals and industrial products, the resulting environmental pollution of these processes is of worldwide concern. This edition discusses green chemistry techniques and sustainable processes involved in synthetic organic chemistry, natural products, drug syntheses, as well various useful industrial applications.

Environmental Nanotechnology for Water Purification Feb 10 2021 Dyes, pigments and metals are extensively used in food, paper, carpet, rubber, plastics, cosmetics, and textile industries, in order to color and finish products. As a result, they generate a considerable amount of coloured wastewater rich in organic, inorganic, and mineral substances which are continuously polluting the water bodies and affecting human and aquatic life. Besides these industries, urban and agricultural activities also generate effluents high in biochemical oxygen demand (BOD) and chemical oxygen demand (COD). In recent years, considerable research work has been done in this area and is underway to eliminate heavy metals particularly mercury (Hg), chromium (Cr), lead (Pb), selenium and cadmium (Cd) and synthetic dyes from polluted waters which have high toxicity and carcinogenicity. Currently a number of methods are in operation to decontaminate the polluted waters. Among several purification technologies, use of nanoparticles/composites have gained much attention as efficient purification technology due to its many advantages such as simple synthesis, special chemical and physical properties, unique photocatalytic activity and beneficial antimicrobial properties and high efficiency. The book *Environmental Nanotechnology for Water Purification* comprehensively covers and provides new insights on all nanoparticles, composites and advanced methods employed in water purification.

Current Consumer Cases Oct 09 2020

Records of the Geological Survey of India Mar 14 2021 1867- includes the "Annual report of the Geological survey of India".

Library of Congress Catalog Nov 09 2020 A cumulative list of works represented by Library of Congress printed cards.

Total Population and Population of Scheduled Castes and Scheduled Tribes in Municipalities, 1981 Census: Vellore region (Chengalpattu, North Arcot and Dharmapuri Districts) Oct 21 2021

Press in India Apr 14 2021 Reports for 1956-1991 include catalogs of newspapers published in each State and Union Territory.

Sustainable Food Waste-to-Energy Systems May 04 2020 Sustainable Food Waste-to-Energy Systems assesses the utilization of food waste in sustainable energy conversion systems. It explores all sources of waste generated in the food supply chain (downstream from agriculture), with coverage of industrial, commercial, institutional and residential sources. It provides a detailed analysis of the conventional pathways for food waste disposal and utilization, including composting, incineration, landfilling and wastewater treatment. Next, users will find valuable sections on the chemical, biochemical and thermochemical waste-to-energy conversion processes applicable for food waste and an assessment of commercially available sustainable food waste-to-energy conversion technologies. Sustainability aspects, including consideration of environmental, economic and social impacts are also explored. The book concludes with an analysis of how deploying waste-to-energy systems is dependent on cross-cutting research methods, including geographical information systems and big data. It is a useful resource for professionals working in waste-to-energy technologies, as well as those in the food industry and food waste management sector planning and implementing these systems, but is also ideal for researchers, graduate students, energy policymakers and energy analysts interested in the most recent advances in the field. Provides guidance on how specific food waste characteristics drive possible waste-to-energy conversion processes. Presents methodologies for selecting among different waste-to-energy options, based on waste volumes, distribution and properties, local energy demand (electrical/thermal/steam), opportunities for industrial symbiosis, regulations and incentives and social acceptance, etc. Contains tools to assess potential environmental and economic performance of deployed systems. Links to publicly available resources on food waste data for energy conversion.

This Book Is Gay Jun 04 2020 The bestselling young adult non-fiction book on sexuality and gender! Lesbian. Gay. Bisexual. Transgender. Queer. Intersex. Straight. Curious. This book is for everyone, regardless of gender or sexual preference. This book is for anyone who's ever dared to wonder. This book is for YOU. This candid, funny, and uncensored exploration of sexuality and what it's like to grow up LGBTQ also includes real stories from people across the gender and sexual spectrums, not to mention hilarious illustrations. Inside this revised and updated edition, you'll find the answers to all the questions you ever wanted to ask, with topics like: Stereotypes—the facts and fiction Coming out as LGBT Where to meet people like you The ins and outs of gay sex How to flirt And so much more! You will be entertained. You will be informed. But most importantly, you will know that however you identify (or don't) and whomever you love, you are exceptional. You matter. And so does this book. This book is for: LGBTQIA+ teens, tweens, and adults Readers looking to learn more about the LGBTQIA+ community Parents of gay kids and other LGBT youth Educators looking for advice about the LGBTQIA+ community Praise for *This Book is Gay*: A Guardian Best Book of the Year 2018 Garden State Teen Book Award Winner "The book every LGBT person would have killed for as a teenager, told in the voice of a wise best friend. Frank, warm, funny, USEFUL."—Patrick Ness, New York Times bestselling author "This egregious gap has now been filled to a fare-thee-well by Dawson's book."—Booklist *STARRED REVIEW*

The Social Constructions and Experiences of Madness Jun 16 2021 This book describes how the societal understandings of madness are central to the problem of mental illness, and how this has far reaching effects on those who are said to have a mental disorder, how they perceive themselves, and treatment.

Wireless Sensor Networks Apr 26 2022 *Wireless Sensor Networks: Evolutionary Algorithms for Optimizing Performance* provides an integrative overview of bio-inspired algorithms and their applications in the area of Wireless Sensor Networks (WSN). Along with the usage of the WSN, the number of risks and challenges occurs while deploying any WSN. Therefore, to defeat these challenges some of the bio-inspired algorithms are applied and discussed in this book. Discussion includes a broad, integrated perspective on various challenges and issues in WSN and also impact of bio-inspired algorithms on the lifetime of the WSN. It creates interdisciplinary theory, concepts, definitions, models and findings involved in WSN and Bio-inspired algorithms making it an essential guide and reference. It includes various WSN examples making the book accessible to a broader interdisciplinary readership. The book offers comprehensive coverage of the most essential topics, including: Evolutionary algorithms Swarm intelligence Hybrid algorithms Energy efficiency in WSN Load balancing of gateways Localization Clustering and routing Designing fitness functions according to the issues in WSN. The book explains about practices of shuffled complex evolution algorithm, shuffled frog leaping algorithm, particle swarm optimization and dolphin swarm optimization to defeat various challenges in WSN. The author elucidates how we must transform our thinking, illuminating the benefits and opportunities offered by bio-inspired approaches to innovation and learning in the area of WSN. This book serves as a reference book for scientific investigators who shows an interest in evolutionary computation and swarm intelligence as well as issues and challenges in WSN.

Library of Congress Catalogs Dec 23 2021

Theories in Geography Aug 19 2021 The present book is an attempt to bring all theories of geography in one book for easy reading of teachers and students. Many divisions in geography has many theories. Readers should take effort to collect the theories from all books. All divisions has certain theories. There are so many theories in physical geography as well as human geography. A simple idea makes it convenient to read the theories in one book. First, we selected the certain theories as follows: Theory of continental drift, The theory of Isostasy, Von Thunens location theory, Crop combination method, The central place theory, Internal structure of city, The rank size rule, The social area analysis method, Losch's theory of economics of location, Walter Isard's theory, Alfred Weber's theory of least cost location, Demographic transition theory, Malthusian Theory of population- Criticism and applicability and Growth pole theory. Like this, there are 14 theories collected and compiled in this book as first volume. The theories collected from both physical geography and human geography. These theories are very important for those who are preparing for UPSC, should go through the theories.

Cyber Security and Threats: Concepts, Methodologies, Tools, and Applications Aug 07 2020 Cyber security has become a topic of concern over the past decade as private industry, public administration, commerce, and communication have gained a greater online presence. As many individual and organizational activities continue to evolve in the digital sphere, new vulnerabilities arise. *Cyber Security and Threats: Concepts, Methodologies, Tools, and Applications* contains a compendium of the latest academic material on new methodologies and applications in the areas of digital security and threats. Including innovative studies on cloud security, online threat protection, and cryptography, this multi-volume book is an ideal source for IT specialists, administrators, researchers, and students interested in uncovering new ways to thwart cyber breaches and protect sensitive digital information.

Wireless Sensor Networks Jun 28 2022 Wireless Sensor Networks: Evolutionary Algorithms for Optimizing Performance provides an integrative overview of bio-inspired algorithms and their applications in the area of Wireless Sensor Networks (WSN). Along with the usage of the WSN, the number of risks and challenges occurs while deploying any WSN. Therefore, to defeat these challenges some of the bio-inspired algorithms are applied and discussed in this book. Discussion includes a broad, integrated perspective on various challenges and issues in WSN and also impact of bio-inspired algorithms on the lifetime of the WSN. It creates interdisciplinary theory, concepts, definitions, models and findings involved in WSN and Bio-inspired algorithms making it an essential guide and reference. It includes various WSN examples making the book accessible to a broader interdisciplinary readership. The book offers comprehensive coverage of the most essential topics, including: Evolutionary algorithms Swarm intelligence Hybrid algorithms Energy efficiency in WSN Load balancing of gateways Localization Clustering and routing Designing fitness functions according to the issues in WSN. The book explains about practices of shuffled complex evolution algorithm, shuffled frog leaping algorithm, particle swarm optimization and dolphin swarm optimization to defeat various challenges in WSN. The author elucidates how we must transform our thinking, illuminating the benefits and opportunities offered by bio-inspired approaches to innovation and learning in the area of WSN. This book serves as a reference book for scientific investigators who shows an interest in evolutionary computation and swarm intelligence as well as issues and challenges in WSN.