

## Read PDF Vp Mishra

Yeah, reviewing a book **Vp Mishra** could mount up your near friends listings. This is just one of the solutions for you to be successful. As understood, achievement does not suggest that you have extraordinary points.

Comprehending as skillfully as harmony even more than additional will allow each success. next-door to, the declaration as capably as sharpness of this Vp Mishra can be taken as competently as picked to act.

### KEY=MISHRA - RHETT PRATT

**A Text Book of Engineering Mathematics** The aim of this book is to present the elements of Mathematics as applied to Scientific and Engineering Problems in a form suitable for the use of Engineering students whose main interest in the subject lies in finding the particular solutions or so rather than the general theory. The book has been designed to serve as text book of formal courses in Engineering Mathematics for early semesters of B.E., B Tech. and A.M.I.E. students of all Universities/Institutions. Watershed Hydrology *Allied Publishers*

**Entropy Applications in Environmental and Water Engineering** *MDPI* Entropy theory has wide applications to a range of problems in the fields of environmental and water engineering, including river hydraulic geometry, fluvial hydraulics, water monitoring network design, river flow forecasting, floods and droughts, river network analysis, infiltration, soil moisture, sediment transport, surface water and groundwater quality modeling, ecosystems modeling, water distribution networks, environmental and water resources management, and parameter estimation. Such applications have used several different entropy formulations, such as Shannon, Tsallis, Rényi, Burg, Kolmogorov, Kapur, configurational, and relative entropies, which can be derived in time, space, or frequency domains. More recently, entropy-based concepts have been coupled with other theories, including copula and wavelets, to study various issues associated with environmental and water resources systems. Recent studies indicate the enormous scope and potential of entropy theory in advancing research in the fields of environmental and water engineering, including establishing and explaining physical connections between theory and reality. The objective of this Special Issue is to provide a platform for compiling important recent and current research on the applications of entropy theory in environmental and water engineering. The contributions to this Special Issue have addressed many aspects associated with entropy theory applications and have shown the enormous scope and potential of entropy theory in advancing research in the fields of environmental and water engineering. A Concise Manual of Pathogenic Microbiology *John Wiley & Sons* A quick, concise reference to pathogenic microorganisms and the diseases they cause, this book is divided into specific groups of pathogenic microorganisms including bacteria, protozoa, fungi, viruses, and prions. It lists important pathogenic taxa in each group, covering their natural habitats, the diseases they cause, microbiological highlights, laboratory diagnosis, and measures of prevention and control, including availability of vaccines and effective therapeutic agents. All healthcare professionals and public health workers will benefit from having this reliable source of information at their fingertips. Mathematical Models of Small Watershed Hydrology and Applications *Water Resources Publication* Comprehensive account of some of the most popular models of small watershed hydrology and application ~ of interest to all hydrologic modelers and model users and a welcome and timely edition to any modeling library Urmi: The Journal of the Odisha Society of Americas 49th Convention For Annual Convention Held in 2017 at Dearborn, Michigan *Odisha Society of the Americas* Orissa Society of Americas 49th Annual Convention Souvenir for Convention held in 2018 at Dearborn, Michigan re-published as Golden Jubilee Convention July 4-7, 2019 Atlantic City, New Jersey commemorative edition. Odisha Society of the Americas Golden Jubilee Convention will be held in Atlantic City, New Jersey during July 4-7, 2019. Convention website is <http://www.osa2019.org>. Odisha Society of the Americas website is <http://www.odishasociety.org> Proceedings of International Conference on Machine Intelligence and Data Science Applications MIDAS 2020 *Springer Nature* This book is a compilation of peer-reviewed papers presented at the International Conference on Machine Intelligence and Data Science Applications, organized by the School of Computer Science, University of Petroleum & Energy Studies, Dehradun, on September 4 and 5, 2020. The book starts by addressing the algorithmic aspect of machine intelligence which includes the framework and optimization of various states of algorithms. Variety of papers related to wide applications in various fields like image processing, natural language processing, computer vision, sentiment analysis, and speech and gesture analysis have been included with upfront details. The book concludes with interdisciplinary applications like legal, health care, smart society, cyber physical system and smart agriculture. The book is a good reference for computer science engineers, lecturers/researchers in machine intelligence discipline and engineering graduates. Invexity and Optimization *Springer Science & Business Media* Invexity and Optimization presents results on invex function and their properties in smooth and nonsmooth cases, pseudolinearity and eta-pseudolinearity. Results on optimality and duality for a nonlinear scalar programming problem are presented, second and higher order duality results are given for a nonlinear scalar programming problem, and saddle point results are also presented. Invexity in multiobjective programming problems and Kuhn-Tucker optimality conditions are given for a multiobjective programming problem, Wolfe and Mond-Weir type dual models are given for a multiobjective programming problem and usual duality results are presented in presence of invex functions. Continuous-time multiobjective problems are also discussed. Quadratic and fractional programming problems are given for invex functions. Symmetric duality results are also given for scalar and vector cases. The Walking Whales From Land to Water in Eight Million Years *Univ of California Press* Hans Thewissen, a leading researcher in the field of whale paleontology and anatomy, gives a sweeping first-person account of the discoveries that brought to light the early fossil record of whales. As evidenced in the record, whales evolved from herbivorous forest-dwelling ancestors that resembled tiny deer to carnivorous monsters stalking lakes and rivers and to serpentlike denizens of the coast. Thewissen reports on his discoveries in the wilds of India and Pakistan, weaving a narrative that reveals the day-to-day adventures of fossil collection, enriching it with local flavors from South Asian culture and society. The reader senses the excitement of the digs as well as the rigors faced by scientific researchers, for whom each new insight gives rise to even more questions, and for whom at times the logistics of just staying alive may trump all science. In his search for an understanding of how modern whales live their lives, Thewissen also journeys to Japan and Alaska to study whales and wild dolphins. He finds answers to his questions about fossils by studying the anatomy of otters and porpoises and examining whale embryos under the microscope. In the book's final chapter, Thewissen argues for approaching whale evolution with the most powerful tools we have and for combining all the fields of science in pursuit of knowledge. The Disruptor How Vishwanath Pratap Singh Shook India *Harper Collins* 'Once you start reading, it's almost impossible to put this book down. This is not simply a biography - it is a serious work of history.' - Karan Thapar 'An admiring and admirable account of the life of a very complex public personality.' - Jairam Ramesh Vishwanath Pratap Singh, India's seventh Prime Minister, struck Indian politics with the force of a tornado. Primarily remembered for implementing the recommendations of the Mandal Commission report, which provided reservations in Central government services for the first time to the Other Backward Classes, he deserves a place in history for much more—from conducting raids on the biggest business houses of his time when he was finance minister, to investigating murky defence deals as defence minister (which cost him his job); bringing together a divided Opposition to form an unlikely coalition government at the Centre comprising the BJP and the communist parties, to spearheading the biggest airlift evacuation in Indian history of Indians stranded in Kuwait during the first Gulf War. V.P. Singh weathered repeated crises during his eleven-month prime ministerial tenure: the rise of insurgency in Kashmir, starting with the kidnapping of his home minister's daughter by terrorists; L.K. Advani's rath yatra in support of the Ram Mandir in Ayodhya, which led to communal riots; and, above all, the backlash that followed the Mandal Commission report's implementation. Known for his integrity and honesty, V.P. Singh ended up antagonizing both the Congress and the BJP—perhaps one of the reasons he has not been given the posthumous attention he deserves. The Disruptor is a richly detailed account of his extraordinarily eventful life, told in the context of his times. The Soybean Botany, Production and Uses *CABI* The soybean is a crop of global importance and is one of most frequently cultivated crops worldwide. It is rich in oil and protein, used for human and animal consumption as well as for industrial purposes. Soybean plants also play an important role in crop diversification and benefit the growth of other crops, adding nitrogen to the soil during crop rotation. With contributions from eminent researchers from around the world, The Soybean provides a concise coverage of all aspects of this important crop, including genetics and physiology, varietal improvement, production and protection technology, utilization and nutritional value. 21st Century Surface Science a Handbook *BoD - Books on Demand* Surface sciences elucidate the physical and chemical aspects of the surfaces and interfaces of materials. Of great interest in this field are nanomaterials, which have recently experienced breakthroughs in synthesis and application. As such, this book presents some recent representative achievements in the field of surface science, including synthesis techniques, surface modifications, nanoparticle-based smart coatings, wettability of different surfaces, physics/chemistry characterizations, and growth kinetics of thin films. In addition, the book illustrates some of the important applications related to silicon, CVD graphene, graphene oxide, transition metal dichalcogenides, carbon nanotubes, carbon nanoparticles, transparent conducting oxide, and metal oxides. A Manual for Dryland Afforestation and Management *Scientific Publishers - AFARI* Community-oriented conservation of natural resources and promotion and protection of trees in drylands are examples to deal with climatic adversities. This book provides knowledge on climatic, ecological, social and economic condition of dry areas and lay out approaches and strategies to restore degraded lands. There are 15 chapters and first five deals with physiography of Rajasthan, drylands ecology, problems of land degradation, its economic evaluation and the approaches and strategies of restoration and rehabilitation. Next two chapters describe the problems of sand drift, salinity, water logging and effluent inflicted areas and strategies to control them. Chapters 8-10 deal with seed production, quality planting materials, genetic improvement, propagation and planting techniques. Chapters 11-12 describe methods of rain water harvesting and irrigation, and resources conservation for seed sowing and favouring regeneration and successions. Effective management of pests/diseases in nurseries and plantation, growth and yield prediction equations and models, and people's perception and participation in managing forest resources have been described in last 3 chapters. Purpose of this publication is to strengthen the forest functionaries and readers with wide ranging knowledge on land degradation, desertification and eco-biology of drylands; and methods to restore and rehabilitate degrading forest (lands) to increase forest cover, enhance resilience and people livelihoods and improve environmental conditions. Academician, researchers, forest managers, non-government organizations, extension agents and environmentalists can use it in developing, conserving and managing drylands ecosystems for its long lasting beneficial effects. This book is also useful to policy makers in effective planning of restoring, protecting and conserving dryland's ecological and socioeconomic services. Biotechnological Utilization of Mangrove Resources *Academic Press* Mangroves are typically tropical coastal ecosystems found in the inter-tidal zones of river deltas and back water areas. They represent highly dynamic and fragile ecosystems, yet they are the most productive and biologically diversified habitats of various life forms including plants, animals and microorganisms. Mangroves are a resource of many different products, including; microorganisms that harbor a diverse group of industrially important enzymes, antibiotics, therapeutic proteins and vaccines; timber resistant to rot and insects; and medicinal plants. Divided into three main parts, Biotechnological Utilization of Mangrove Resources first provides a broad introduction into mangrove ecology. Subsequent chapters discuss the biodiversity of mangroves, including the diverse nature of the organisms within the mangroves themselves. The final part pays special attention to biotechnological utilization of mangroves. Topics such as antimicrobial activity of mangrove-derived products, anti-oxidant activity of mangrove derived products and pharmaceutical applications, are covered in detail. Biotechnological Utilization of Mangrove Resources brings the latest research and technologies in mangrove biology into one platform, providing readers with an up-to-date view on the area. This would serve as an excellent reference book for researchers and students in the field of marine biology especially interested in mangrove ecosystems. Conservation Agriculture *Springer* Conservation agriculture—consisting of four components including permanent soil cover, minimum soil disturbance, diversified crop rotations and integrated weed management—is considered the principal pathway to sustainable agriculture and the conservation of natural resources and the environment. Leading researchers in the field describe the basic principles of conservation agriculture, and synthesize

recent advances and developments in conservation agriculture research. This book is a ready reference on conservation agriculture and reinforces the understanding for its utilization to develop environmentally sustainable and profitable food production systems. The book describes various elements of conservation agriculture; highlights the associated breeding and modeling efforts; analyses the experiences and challenges in conservation agriculture in different regions of the world; and proposes some pragmatic options and new areas of research in this very important area of agriculture. *Innovations in Computer Science and Engineering Proceedings of 7th ICICSE Springer Nature* This book features a collection of high-quality, peer-reviewed research papers presented at the 7th International Conference on Innovations in Computer Science & Engineering (ICICSE 2019), held at Guru Nanak Institutions, Hyderabad, India, on 16-17 August 2019. Written by researchers from academia and industry, the book discusses a wide variety of industrial, engineering, and scientific applications of the emerging techniques in the field of computer science. *Data Driven Approach Towards Disruptive Technologies Proceedings of MIDAS 2020 Springer Nature* This book is a compilation of peer-reviewed papers presented at the International Conference on Machine Intelligence and Data Science Applications, organized by the School of Computer Science, University of Petroleum & Energy Studies, Dehradun, India, during 4-5 September 2020. The book addresses the algorithmic aspect of machine intelligence which includes the framework and optimization of various states of algorithms. Variety of papers related to wide applications in various fields like data-driven industrial IoT, bioinformatics, network and security, autonomous computing and various other aligned areas. The book concludes with interdisciplinary applications like legal, health care, smart society, cyber-physical system and smart agriculture. All papers have been carefully reviewed. The book is of interest to computer science engineers, lecturers/researchers in machine intelligence discipline and engineering graduates. *Chemical Vapor Deposition for Nanotechnology BoD - Books on Demand* Chemical vapor deposition (CVD) techniques have played a major role in the development of modern technology, and the rise of nanotechnology has further increased their importance, thanks to techniques such as atomic layer deposition (ALD) and vapor liquid solid growth, which are able to control the growth process at the nanoscale. This book aims to contribute to the knowledge of recent developments in CVD technology and its applications. To this aim, important process innovations, such as spatial ALD, direct liquid injection CVD, and electron cyclotron resonance CVD, are presented. Moreover, some of the most recent applications of CVD techniques for the growth of nanomaterials, including graphene, nanofibers, and diamond-like carbon, are described in the book. *Handbook of Industrial Mixing Science and Practice John Wiley & Sons* Handbook of Industrial Mixing will explain the difference and uses of a variety of mixers including gear mixers, top entry mixers, side entry mixers, bottom entry mixers, on-line mixers, and submerged mixers The Handbook discusses the trade-offs among various mixers, concentrating on which might be considered for a particular process. Handbook of Industrial Mixing explains industrial mixers in a clear concise manner, and also: \* Contains a CD-ROM with video clips showing different type of mixers in action and a overview of their uses. \* Gives practical insights by the top professional in the field. \* Details applications in key industries. \* Provides the professional with information he did receive in school Research Developments in Saline Agriculture *Springer* Soil and water salinity is a major challenge for the agricultural community and policy makers in terms of meeting the burgeoning population's demand for food and other agricultural commodities. In coastal regions, climate change and sea level rise will aggravate the problem with more and more areas becoming saline due to intrusion of sea water. As such there is a pressing need for modern tools and innovative techniques for the identification of salty soils and poor-quality waters, crop production, soil reclamation and lowering the water table in waterlogged areas. Tackling next-generation problems such as contamination of soil and underground water due to fluoride and arsenic, as well as developing multi-stress tolerant crops is also a high priority. Further, techniques for domesticating halophytes, mangrove-based aquacultures, using seaweed cultures as agricultural crops and integrated farming systems need to be perfected. This book addresses all these aspects in detail, highlighting the diverse solutions to tackle the complex problem of salinity and waterlogging and safer management of poor-quality waters. With chapters written by leading experts, it is a valuable resource for researchers planning future investigations, policy makers, farmers and other stakeholders, and for students wanting insights into vital issues of environment. *Advances in Air Conditioning and Refrigeration Select Proceedings of RAAR 2019 Springer Nature* This book presents selected peer-reviewed papers from the International Conference on Recent Advancements in Air Conditioning and Refrigeration (RAAR) 2019. The focus is on current research in a very topical area of HVAC technology, which has wide-ranging applications. The topics covered include modern air conditioning and refrigeration practices, environment-friendly refrigerants, high-performance components, computer-assisted design, manufacture, operations and data management, energy-efficient buildings, and application of solar energy to heating and air conditioning. This book is useful for researchers and industry professionals working in the field of heating, air conditioning and refrigeration. *Cumulated Index Medicus Indian Science Abstracts Sediment Transport Flow and Morphological Processes BoD - Books on Demand* The purpose of this book is to put together recent developments on sediment transport and morphological processes. There are twelve chapters in this book contributed by different authors who are currently involved in relevant research. First three chapters provide information on basic and advanced flow mechanisms including turbulence and movement of particles in water. Examples of computational procedures for sediment transport and morphological changes are given in the next five chapters. These include empirical predictions and numerical computations. Chapters nine and ten present some insights on environmental concerns with sediment transport. Last two contributions deal with two large-scale case studies related to changes in the transport and provenance of glacial marine sediments, and processes involving land slides. *Spatial Modelling of Flood Risk and Flood Hazards Societal Implications Springer Nature* Handbook of Stress, Coping, and Health Implications for Nursing Research, Theory, and Practice *SAGE* Selected for inclusion in this book is material on stress, coping and health that is considered to be the most thoroughly developed and studied within the nursing perspective. There is a balance between theoretical development, research, measurement and implications for practice. *Environmental Policies in India Northern Book Centre* The book highlights the role of the Government of India in protecting our fragile environment and thus, ensuring sustainable development of the country. Different environmental programmes and policies have been discussed elaborately in this regard. Salient Features : \* It makes a survey of global efforts to protect our planet. \* It highlights different kinds of environmental problems in India. \* It discusses governmental measures to protect our environment. \* It extends various suggestions to supplement governmental efforts to realize the goal of environmental protection. \* Language of the book is simple, lucid and comprehensible. \* Detailed bibliography containing public documents, recent books, journals, etc., will be useful for advanced research in the field. \* Comprehensive index facilitates easy reference and accessibility to the scholars. \* The book will be useful for policy makers, administrators, research scholars and other stakeholders. *Handbook of Research on Nano-Drug Delivery and Tissue Engineering Guide to Strengthening Healthcare Systems CRC Press* With contributions from leading researchers in the nanomedicine field from industry, academia, and government and private research institutions across the globe, the volume provides an up-to-date report on topical issues in nano-drug delivery and nanotechnological approaches to tissue engineering. The volume offers research on a variety of diverse nano-based drug delivery systems along with discussions of their efficacy, safety, toxicology, and applications for different purposes. Focusing on nanotechnology approaches to tissue engineering, this volume considers the use of hydrogel systems, nanoceria and micro- and nano-structured biomaterials for bone tissue engineering, mesenchymal stem cells, and more. *Records of the Geological Survey of India Vols. 1- include Report of the Geological Survey, 1867- ; v. 32- include Review of the mineral production of India, 1898/1903- ; v. 75 consists of Professional papers, no. 1-16; v. 76 consists of Bulletins of economic minerals.* *Biointensive Integrated Pest Management in Horticultural Ecosystems Scientific Publishers* The present book deals with the most recent biointensive integrated approaches for pest management utilizing components such as bioagents [predators, parasitoids and pathogens (bacteria, fungi, viruses)], botanicals (biofumigation, oil cakes, FYM, compost, crop residues, green manuring and other organic amendments), arbuscular mycorrhizal fungi, physical methods (hot water treatment of planting material, soil solarization), cultural methods (crop rotation, summer ploughing, fallowing, intercropping, pruning, mulching, spacing, planting date, trap cropping, etc.), biorational chemicals (pheromones) and resistant cultivars. This book can serve as a useful reference to policy makers, research and extension workers, practicing farmers and students. The material can also be used for teaching post-graduate courses. *An Indian Political Life Charan Singh and Congress Politics, 1957 to 1967 SAGE Publications India* This volume traces the course of development of Charan Singh's discontent in the Congress, which aided by the antagonism on the part of Nehru and his daughter towards him, and the decline of the Congress as the dominant party in Uttar Pradesh, led ultimately to his defection to form a new political party and, at last, to achieve his goal of becoming chief minister of UP. Like the earlier volume, this book is based primarily on the author's personal relationship with Charan Singh during his political career and early access to his massive political files and the author's own personal interviews with politicians, other public persons, peasants, and others over 50 years, up to the present. It also provides an account of the chief ministership of Sucheta Kripalani—a political outsider catapulted to the top by the power struggles of fractious factions—and at the same time explores against the backdrop of regionalism in UP the considerable yet little-known role played by Charan Singh in issues of states reorganization for northern India. This book is the second volume of a multi-volume work on *The Politics of Northern India: 1937 to 1987. The Andaman Islands and Adjoining Offshore: Geology, Tectonics and Palaeoclimate Springer Nature* This book gathers peer-reviewed research articles on recent advances concerning the geology, geophysics, tectonics, geochronology, sedimentology, igneous petrology, paleo-climate and paleo-oceanography of the Andaman and Nicobar Islands of India and the adjoining ocean basins. Accordingly, it contributes significantly to readers' understanding of the origin and evolution of the Andaman subduction zone and its various components. It also provides much-needed information on the evolution of the South Asian monsoon system since the Eocene and its link to Himalayan weathering and erosion. *Mineral Exploration Recent Strategies New India Publishing* Key Lectures \*Strategy for Exploration and Exploitation of Placer Mineral in India: G.V.Rajamanickam \*Exploration for Platinum Group Elements in Peninsular India Status Problems & Scope: Balaram \*Understanding the Ore Forming Processes Key to Mineral Exploration: M.S.Pandian \*Hyperspectral Remote Sensing: S.Sanjeevi \*Total Quality Management (T.q.m.) in Evaluation of Granite Deposits: G.B.Sukumaran *Chaos in Hydrology Bridging Determinism and Stochasticity Springer* This authoritative book presents a comprehensive account of the essential roles of nonlinear dynamic and chaos theories in understanding, modeling, and forecasting hydrologic systems. This is done through a systematic presentation of: (1) information on the salient characteristics of hydrologic systems and on the existing theories for their modeling; (2) the fundamentals of nonlinear dynamic and chaos theories, methods for chaos identification and prediction, and associated issues; (3) a review of the applications of chaos theory in hydrology; and (4) the scope and potential directions for the future. This book bridges the divide between the deterministic and the stochastic schools in hydrology, and is well suited as a textbook for hydrology courses. *Recent Advances in the Synthesis of Organic Compounds to Combat Neglected Tropical Diseases Bentham Science Publishers* The World Health Organization (WHO) has reported 14 diseases that are occurring exclusively in tropical areas. Most of these diseases are infectious and mainly affect poor populations. Some of these diseases include malaria, dengue fever, leishmaniasis and Chagas disease. Therefore, an acute need for increasing the arsenal of drugs is required to fight against these neglected diseases for the guaranteed recovery and relief of many patients. This E-book gathers important scientific research performed by scientists worldwide showing the state of the art of Medicinal Chemistry dedicated to the synthesis of compounds that are potentially bioactive against the causative agents of neglected diseases. The contents of this book include chapters on recent advances in synthetic organic compounds for the prevention of Chagas disease, recent advances in the discovery of small organic molecules for the prevention and treatment of dengue fever, leishmaniasis, leprosy, therapeutic arsenal and drug discovery for lymphatic filariasis, therapeutic agents for the treatment of malaria, schistosomiasis and synthetic organic compounds as potential antitubercular drugs. This book is intended for undergraduate and graduate students in institutes, colleges, universities and academies who want to specialize in the field of organic synthesis and medicinal chemistry. This book will also be a valuable resource of information for researchers in this field. *Hydrology in a Changing World Challenges in Modeling Springer* This book offers a comprehensive overview of the challenges in hydrological modeling. Hydrology, on both a local and global scale, has undergone dramatic changes, largely due to variations in climate, population growth and the associated land-use and land-cover changes. Written by experts in the field, the book provides decision-makers with a better understanding of the science, impacts, and consequences of these climate and land-use changes on hydrology. Further, offering insights into how the changing behavior of hydrological processes, related uncertainties and their evolution affect the modeling process, it is of interest for all researchers and practitioners using hydrological modeling. *Remote Sensing of Hydrological Extremes Springer* This volume provides in-depth coverage of the latest in remote sensing of hydrological extremes: both floods and droughts. The book is divided into two distinct sections - floods and

droughts - and offers a variety of techniques for monitoring each. With rapid advances in computer modelling and observing systems, floods and droughts are studied with greater precision today than ever before. Land surface models, especially over the entire Continental United States, can map the hydrological cycle at kilometre and sub-kilometre scales. In the case of smaller areas there is even higher spatial resolution and the only limiting factor is the resolution of input data. In-situ sensors are automated and the data is directly relayed to the world wide web for many hydrological variables such as precipitation, soil moisture, surface temperature and heat fluxes. In addition, satellite remote sensing has advanced to providing twice a day repeat observations at kilometre to ten-kilometre spatial scales. We are at a critical juncture in the study of hydrological extremes, and the GPM and SMAP missions as well as the MODIS and GRACE sensors give us more tools and data than were ever available before. A global variety of chapter authors provides wide-ranging perspectives and case studies that will make this book an indispensable resource for researchers, engineers, and even emergency management and insurance professionals who study and/or manage hydrological extremes. **Soil Conservation Service Curve Number (SCS-CN) Methodology** *Springer Science & Business Media* The Soil Conservation Service (SCS) curve number (CN) method is one of the most popular methods for computing the runoff volume from a rainstorm. It is popular because it is simple, easy to understand and apply, and stable, and accounts for most of the runoff producing watershed characteristics, such as soil type, land use, hydrologic condition, and antecedent moisture condition. The SCS-CN method was originally developed for its use on small agricultural watersheds and has since been extended and applied to rural, forest and urban watersheds. Since the inception of the method, it has been applied to a wide range of environments. In recent years, the method has received much attention in the hydrologic literature. The SCS-CN method was first published in 1956 in Section-4 of the National Engineering Handbook of Soil Conservation Service (now called the Natural Resources Conservation Service), U. S. Department of Agriculture. The publication has since been revised several times. However, the contents of the methodology have been nonetheless more or less the same. Being an agency methodology, the method has not passed through the process of a peer review and is, in general, accepted in the form it exists. Despite several limitations of the method and even questionable credibility at times, it has been in continuous use for the simple reason that it works fairly well at the field level. **International Conference on Computer Networks and Communication Technologies ICCNCT 2018** *Springer* The book features research papers presented at the International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT 2018), offering significant contributions from researchers and practitioners in academia and industry. The topics covered include computer networks, network protocols and wireless networks, data communication technologies, and network security. Covering the main core and specialized issues in the areas of next-generation wireless network design, control, and management, as well as in the areas of protection, assurance, and trust in information security practices, these proceedings are a valuable resource, for researchers, instructors, students, scientists, engineers, managers, and industry practitioners. **Bacteria in Agrobiolgy: Crop Ecosystems** *Springer Science & Business Media* The future of agriculture strongly depends on our ability to enhance productivity without sacrificing long-term production potential. An ecologically and economically sustainable strategy is the application of microorganisms, such as the diverse bacterial species of plant growth promoting bacteria (PGPB). The use of these bio-resources for the enhancement of crop productivity is gaining worldwide importance. **Bacteria in Agrobiolgy: Crop Ecosystems** describes the beneficial role of plant growth promoting bacteria with special emphasis on oil yielding crops, cereals, fruits and vegetables. Chapters present studies on various aspects of bacteria-plant interactions, soil-borne and seed-borne diseases associated with food crops such as rice, sesame, peanuts, and horticultural crops. Further reviews describe technologies to produce inoculants, the biocontrol of post harvest pathogens as a suitable alternative to agrochemicals, and the restoration of degraded soils.