

In Situ Soil And Groundwater Bioremediation Techniques And

In Situ Soil Flushing *In Situ Soil Remediation* Updating Subsurface Samplings of Soils and Rocks and Their In-situ Testing *Evaluation of Nuclear Methods of Determining Surface in Situ Soil Water Content and Density* **Soil and Sediment Remediation Dielectric Method for Laboratory and in Situ Soil Characterization** **Soil and Groundwater Remediation Technologies** **In Situ Soil Remediation The Pneumatic Flow Mixing Method** **Geotechnical Engineering International Evaluation of In-situ Bioremediation of Contaminated Soil and Groundwater** *Evaluation of demonstrated and emerging technologies for the treatment and clean up of contaminated land and groundwater (phase II) interim status report.* **Fungal Nanobionics: Principles and Applications** **Bioremediation in the Field** **HAZARDOUS WASTE MANAGEMENT** **Reviews of Environmental Contamination and Toxicology** **193 Phytoremediation** *Frontiers in Offshore Geotechnics III* **Contaminants and the Soil Environment in the Australasia-Pacific Region** Conservation Practices **Strategies for Accelerating Cleanup at Toxic Waste Sites** **Superfund Innovative Technology Evaluation** Arsenic Treatment Technologies for Soil, Waste, and Water *Soil Mechanics and Foundation Engineering* *Environmental Soil Physics* *Emerging Technologies in Hazardous Waste Management 8* *EPA National Publications Catalog* **Dynamic Geotechnical Testing** ICSE 10 Years Solved Papers Class 10 for 2022 Examinations *Ground Improvement Case Histories Guide for Conducting Treatability Studies Under CERCLA* Physics and Mechanics of Soil Liquefaction **Proceedings of the Eleventh European Conference on Earthquake Engineering** **Technology Alternatives for the Remediation of Soils Contaminated with As, Cd, Cr, Hg, and Pb** Correlations of Soil and Rock Properties in Geotechnical Engineering **Biodegradation and Bioremediation** **Geotechnical Characteristics of Soils and Rocks of India** **Sustainable Engineering** The Determination of Soil Properties in Situ Acid Mine Drainage, Rock Drainage, and Acid Sulfate Soils

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EPA National Publications Catalog Aug 08 2020

Contaminants and the Soil Environment in the Australasia-Pacific Region Apr 15 2021 The Australasia-Pacific Region supports approximately 50% of the world's population. The last half-century has witnessed a rapid increase in the regional population, agricultural productivity, industrial activities and trade within the region. Both the demand for increased food production and the desire to improve the economic conditions have affected regional environmental quality. This volume presents an overview of the fate of contaminants in the soil environment; current soil management factors used to control contaminant impacts, issues related to sludge and effluent disposals in the soil environment; legal, health and social impacts of contaminated land, remediation approaches and strategies to manage contaminated land, some of the problems associated with environmental degradation in the Australasia-Pacific Region and steps that we need to take to safeguard our environment.

Geotechnical Characteristics of Soils and Rocks of India Sep 28 2019 This book presents mainly the geotechnical details of geomaterials (soils and rocks) found in all the 36 states and union territories of India. There are 37 chapters in this book. Chapter 1 provides an overview of geomaterials, focusing on their engineering properties as determined based on the project site investigations and laboratory/field tests; this will help readers understand the technical details explained throughout the book, with each chapter dealing with geomaterials of one state/union territory only. Each chapter, contributed by a team of authors, follows a common template with the following sections: introduction, major types of soils and rocks, properties of soils and rocks, use of soils and rocks as construction materials, foundation and other geotechnical structures, other geomaterials, natural hazards, case studies and field tests, geoenvironmental impact on soils and rocks, concluding remarks and references. All the chapters cover highly practical information and technical data for application in ground infrastructure projects, including foundations of structures (buildings, towers, tanks, machines and so on), highway, railway and airport pavements, embankments, retaining structures/walls, dams, reservoirs, canals and ponds, and landfills and tunnels. These details are also highly useful for professionals dealing with mining, oil and gas projects and agricultural and aquacultural engineering projects. Although this book covers the Indian ground characteristics, the information provided can be helpful in some suitable forms to the professionals of other countries having similar ground conditions and applications.

Fungal Nanobionics: Principles and Applications Oct 22 2021 Fungal nanobionics has great prospects for developing new products with industrial, agriculture, medicine and consumer applications in a wide range of sectors. The fields of chemical engineering, agri-food, biochemical, pharmaceuticals, diagnostics and medical device development all employ fungal products, with fungal nanomaterials currently used in a wide range of applications, ranging from drug development to food industry and agricultural sector. The fungal agents emerge as an environmentally friendly, clean, non-toxic agent for the biogenic metal nanoparticles and employs both intracellular and extracellular methods. The simplicity of scaling up and downstream processing and the presence of fungal mycelia affording an increased surface area provide key advantages. In addition, the larger spectrum of synthesized nanoparticle morphologies and the substantially faster biosynthesis rate in cell-free filtrate (due to the higher amount of proteins secreted in fungi) make this a particularly enticing route. Understanding the diversity of fungi in assorted ecosystems, as well as their interactions with other microorganisms, animals and plants, is essential to underpin real and innovative technological developments and the applications of metal nanoparticles in many disciplines including agriculture, catalysis, and biomedical biosensors. Importantly, biogenic fungal nanoparticles show significant synergistic characteristics when combined with antibiotics and fungicides to offer substantially greater resistance to microbial growth and applications in nanomedicine ranging from topical ointments and bandages for wound healing to coated stents.

Ground Improvement Case Histories May 05 2020 Written by an international group of experts, *Ground Improvement Case Histories: Chemical, Electrokinetic, Thermal and Bioengineering Methods* provides over 700 pages of case-histories collected from all over the world. Each case-history provides an overview of the specific technology followed by applications, and in some cases, comprehensive back analysis through numerical modelling is discussed. The book includes methods for employing bacterial and biological treatment, and native vegetation for stabilizing problematic soils. Specific case-histories included in the book are: Effect of Drainage and Grouting for the World Longest Seikan Undersea Tunnel Construction, Cement/lime Mixing Ground Improvement for Road Construction on Soft Ground, Use of Jet Grouting in Deep Excavations, and Stabilization of Reactive Sulphide Mine Tailings using Water Cover Technology. Provides recent case histories using chemical and bio-engineering methods by world-

renowned engineering experts Includes over 200 illustrations and 150 equations from relevant topics, including state-of-the-art chemical and bioengineering methods Presents comprehensive analysis methods using numerical modelling methods Case histories include the "Effect of Drainage and Grouting on the World's Longest Seikan Undersea Tunnel Construction" and "Cement/Lime Mixing Ground Improvement for Road Construction on Soft Ground"

Reviews of Environmental Contamination and Toxicology 193 Jul 19 2021 Reviews of Environmental Contamination and Toxicology provides concise, critical reviews of timely advances, philosophy, and significant areas of accomplished or needed endeavor in the total field of xenobiotics, in any segment of the environment, as well as toxicological implications. It facilitates the task of accessing and interpreting cogent scientific data and will be of interest to researchers, resource managers, and policy administrators.

Strategies for Accelerating Cleanup at Toxic Waste Sites Feb 11 2021 Accelerating Cleanup at Toxic Waste Sites: Fast-tracking Environmental Actions and Decision Making presents truly innovative advances in investigative and cleanup technologies, offering valuable solutions that streamline the data collection process, speed up the time it takes to characterize a site, and expedite decision making. Using easy to understand graphic displays, tables, text summaries, and real world case studies, and by synthesizing technical and regulatory reference information crucial to the development of effective cleanup strategies, this book provides the framework for environmental professionals to develop project and program approaches that meet today's needs. An advanced text for those with at least basic understanding of environmental investigation, cleanup, regulations, decision making, and policy development, Accelerating Cleanup at Toxic Waste Sites addresses the "human" side of the environmental industry and why it is perhaps one of the most important considerations for successful accelerated cleanup. This book takes the next step by providing managers, project teams, and other professionals with approaches that bring techniques, regulations, strategies, and people together into one comprehensive package that works.

Sustainable Engineering Aug 27 2019 Comprehensively covers the definition, methodology, and current applications of the principles of sustainability and resiliency in every engineering discipline This book contains detailed information about sustainability and resiliency principles and applications in engineering practice, and provides information on how to use scientific tools for sustainability assessment that help engineers select the best alternative for each project or activity. Logically organized around the three pillars of sustainability—environment, economy, and society—it is a primary resource for students and professionals alike. Sustainable Engineering: Drivers, Metrics, Tools, and Applications offers numerous ways to help engineers contribute towards global sustainable development while solving some of the grand challenges the world is facing today. The first part of the book covers the environmental, economic, and social impacts associated with project/product development as well as society as a whole. This is followed by a section devoted to sustainability metrics and assessment tools, which includes material flow analysis and material budget, carbon footprint analysis, life cycle assessment, environmental health risk assessment, and more. Next comes an in-depth examination of sustainable engineering practices, including sustainable energy engineering, sustainable waste management, and green and sustainable buildings. The book concludes with a look at how sustainable engineering may be applied to different engineering (i.e. environmental, chemical, civil, materials, infrastructure) projects. Some of the key features of this book include the following: Provides a complete and sensible understanding of the important concepts of sustainability, resiliency, and sustainable engineering Offers detailed explanations of sustainable engineering practices in waste management and remediation of contaminated sites, civil construction and infrastructure, and climate geoengineering Presents a set of case studies across different engineering disciplines such as bio/chemical, environmental, materials, construction, and infrastructure engineering that demonstrate the practical applicability of sustainability assessment tools to diverse projects Includes questions at the end of each chapter as well as a solutions manual for academic adopters The depth of coverage found in Sustainable Engineering: Drivers, Metrics, Tools, and Applications makes it an ideal textbook for graduate students across all engineering disciplines and a handy resource for active professionals.

In Situ Soil Remediation Mar 27 2022 In situ remediation techniques have experienced a boom over the last few years, thereby producing a wide range of valuable experiences. Their results have demonstrated that in situ techniques are a mature alternative to conventional remediation techniques. Irrespective of future policy developments, it is impossible to imagine future remediation practice without the use of in situ techniques. The book presents an overview of recent developments in the field of in situ soil remediation. The book is unique in that it is not a compilation of unrelated case studies. A conceptual approach has been chosen; remediation models described in this book are illustrated from a practical point of view. The authors present the Dutch way of treating contaminated land; The Netherlands is renowned for being at the forefront of remediation techniques as a result of the country's progressiveness and experience in this area.

The Determination of Soil Properties in Situ Jul 27 2019

Soil and Sediment Remediation Jun 29 2022 Soil and Sediment Remediation discusses in detail a whole set of remediative technologies currently available to minimise their impact. Technologies for the treatment of soils and sediments in-situ (landfarming, bioscreens, bioventing, nutrient injection, phytoremediation) and ex-situ (landfarming, bio-heap treatment, soil suspension reactor) will be discussed. The microbiological, process technological and socio-economical aspects of these technologies will be addressed. Special attention will be given to novel biotechnological processes that utilise sulfur cycle conversions, e.g. sulfur and heavy metal removal from soils. Also the potential of phytoremediation will be highlighted. In addition, treatment schemes for the clean-up of polluted megasites, e.g. harbours and Manufactured Gaswork Plants (MGP), will be elaborated. The aim of Soil and Sediment Remediation is to introduce the reader in: the biogeochemical characteristics of soil and sediments- new techniques to study soil/sediment processes (molecular probes, microelectrodes, NMR) clean up technologies for soils polluted with organic (PAH, NAPL, solvents) or inorganic (heavy metals) pollutants- preventative and remediative strategies and technologies available in environmental engineering novel process applications and bioreactor designs for bioremediation the impact of soil pollution on society and its economic importance.

International Evaluation of In-situ Bioremediation of Contaminated Soil and Groundwater Dec 24 2021

Soil and Groundwater Remediation Technologies Apr 27 2022 This book offers various soil and water treatment technologies due to increasing global soil and water pollution. In many countries, the management of contaminated land has matured, and it is developing in many others. Topics covered include chemical and ecological risk assessment of contaminated sites; phytomanagement of contaminants; arsenic removal; selection and technology diffusion; technologies and socio-environmental management; post-remediation long-term management; soil and groundwater laws and regulations; and trace element regulation limits in soil. Future prospects of soil and groundwater remediation are critically discussed in this book. Hence, readers will learn to understand the future prospects of soil and groundwater contaminants and remediation measures. Key Features: Discusses conventional and novel aspects of soil and groundwater remediation technologies Includes new monitoring/sensing technologies for soil and groundwater pollution Features a case study of remediation of contaminated sites in the old, industrial, Ruhr area in Germany Highlights soil washing, soil flushing, and stabilization/solidification Presents information on emerging contaminants that exhibit new challenges This book is designed for undergraduate and graduate courses and can be used as a handbook for researchers, policy makers, and local governmental institutes. Soil and Groundwater Remediation Technologies: A Practical Guide is written by a team of leading global experts in the field.

Updating Subsurface Samplings of Soils and Rocks and Their In-situ Testing Sep 01 2022

Environmental Soil Physics Oct 10 2020 Environmental Soil Physics is a completely updated and modified edition of the Daniel Hillels previous, successful books, Introduction to Soil Physics and Fundamentals of Soil Physics. Hillel is a Pulitzer Prize-winning author, one of the true leaders in the field of environmental sciences. The new version includes a chapter and problems on computational techniques, addresses current environmental concerns and trends. Updates and expands the scope of Hillel's prior works, Fundamentals of Soil Physics (1980) and Applications of Soil Physics (1980) Explores the wide range of interactions among the phases in the soil and the dynamic interconnections of the soil with the subterranean and atmospheric domains Draws attention to historical and contemporary issues concerning the human management of soil and water resources Directs readers toward solution of practical problems in terrestrial ecology, field-scale hydrology, agronomy, and civil engineering Incorporates contributions

by leading scientists in the areas of spatial variability, soil remediation, and the inclusion of land-surface processes in global climate models
Conservation Practices Mar 15 2021 Soil and water conservation measures are basic resources essential for survival of human kind on earth. Ironically, very few people realize the importance of conservation and judiciously utilizing the soil, the greatest gift of nature. According to Dr.H.H.Bennett "Soil without water is desert and water without soil is useless." In fact every kind of farm activity is connected with land and prosperity of nation depends on quality of its and resources. Water is most limiting natural resource in semi-arid region. In most of the areas only water available is rain water. Due to inadequate and uneven distribution of rainfall during growth span of crop, it becomes essential to supply water to plant by adopting in-situ soil conservation measures for increasing water use efficiency. In order to study the in-situ soil and water conservation measures for Sorghum and the impact of soil and water conservation measures in terms of moisture status of soil, biometric observations, water use and production efficiency, runoff, soil and nutrient losses etc., five land configurations were studied as rainwater management treatments, viz. Cultivation along the slope (T1), Cultivation along the slope wi

Phytoremediation Jun 17 2021 This text details the plant-assisted remediation method, "phytoremediation", which involves the interaction of plant roots and associated rhizospheric microorganisms for the remediation of soil contaminated with high levels of metals, pesticides, solvents, radionuclides, explosives, crude oil, organic compounds and various other contaminants. Each chapter highlights and compares the beneficial and economical alternatives of phytoremediation to currently practiced soil removal and burial practices. This book covers state of the art approaches in Phytoremediation written by leading and eminent scientists from around the globe. Phytoremediation: Management of Environmental Contaminants, Volume 1 supplies its readers with a multidisciplinary understanding in the principal and practical approaches of phytoremediation from laboratory research to field application.

Geotechnical Engineering Jan 25 2022 Intended for the United States' civil engineers and students taking soil/geotechnical engineering courses in civil engineering, this title offers information on intermediate foundations, including a method called Geopier.

In Situ Soil Flushing Nov 03 2022

Acid Mine Drainage, Rock Drainage, and Acid Sulfate Soils Jun 25 2019 Provides the tools needed to analyze and solve acid drainage problems
Featuring contributions from leading experts in science and engineering, this book explores the complex biogeochemistry of acid mine drainage, rock drainage, and acid sulfate soils. It describes how to predict, prevent, and remediate the environmental impact of acid drainage and the oxidation of sulfides, offering the latest sampling and analytical methods. Moreover, readers will discover new approaches for recovering valuable resources from acid mine drainage, including bioleaching. Acid Mine Drainage, Rock Drainage, and Acid Sulfate Soils reviews the most current findings in the field, offering new insights into the underlying causes as well as new tools to minimize the harm of acid drainage: Part I: Causes of Acid Mine Drainage, Rock Drainage and Sulfate Soils focuses on the biogeochemistry of acid drainage in different environments. Part II: Assessment of Acid Mine Drainage, Rock Drainage and Sulfate Soils covers stream characterization, aquatic and biological sampling, evaluation of aquatic resources, and some unusual aspects of sulfide oxidation. Part III: Prediction and Prevention of Acid Drainage discusses acid-base accounting, kinetic testing, block modeling, petrology, and mineralogy studies. It also explains relevant policy and regulations. Part IV: Remediation of Acid Drainage, Rock Drainage and Sulfate Soils examines both passive and active cleanup methods to remediate acid drainage. Case studies from a variety of geologic settings highlight various approaches to analyzing and solving acid drainage problems. Replete with helpful appendices and an extensive list of web resources, Acid Mine Drainage, Rock Drainage, and Acid Sulfate Soils is recommended for mining engineers and scientists, regulatory officials, environmental scientists, land developers, and students.

Soil Mechanics and Foundation Engineering Nov 10 2020 ?ABOUT THE BOOK: Soil Mechanics and Foundation Engineering (Geo technical Engineering) is a fast developing branch of Civil Engineering and its study is essential for the successful execution and maintenance of several civil engineering works. The subject of Soil Mechanics and Foundation Engineering forms a part of the curriculum for the students of Civil Engineering. A good text book for the subject is therefore necessary to facilitate proper comprehension of the subject by the students. There are several books available on the subject Soil Mechanics and Foundation Engineering, but the author feels that each of the available books is lacking in one respect or the other. As such none of the available books on the subject is complete in all respects. The author has therefore made an earnest attempt to bring out a book on the subject which may be reckoned as a complete text book in all respects. The text of the book has been divided in two Parts. The Part I deals with the Fundamental Principles of Soil Mechanics. The Part II deals with the Earth Retaining Structures and Foundation Engineering. The subject matter has been presented in a simple unambiguous language which is easy to comprehend. The book covers the syllabus of this subject prescribed by the most of the Indian Universities for the undergraduate courses. ?OUTSTANDING FEATURES : The text has been divided into 2 parts:- (i) Fundamental principles of soil mechanics (ii) Earth retaining Structures & Foundation Engg. The text has been supported by:- (i) Illustrative Examples. (ii) Multiple Choice Ques. (Provided in Appendix) (iii) Competitive Examination Ques. Fo -Eng. Services, Indian Civil Service & those preparing for AMIE examinations ?RECOMMENDATIONS: Degree, Diploma and A.I.M.E. (India) Students and Practicing Civil Engineers ?ABOUT THE AUTHOR: Dr. P.N. Modi B.E., M.E., Ph.D Former Professor of Civil Engineering, M.R. Engineering College, (Now M.N.I.T), Jaipur. Formerly Principal, Kautilya Institute of Technology and Engineering, Jaipur ?BOOK DETAILS: ISBN: 978-81-89401-30-6 Pages: 10041+ 18 Edition: 5th,Year-2019 Size: L-24 B- 18.3 H- 4.1 ?PUBLISHED BY: STANDARD BOOK HOUSE Since 1960 Unit of Rajsons Publications Pvt Ltd Regd Office: 4262/3A Ground Floor Ansari Road Daryaganj New Delhi-110002 +91 011 43551185/43551085/43751128/23250212 Retail Office : 1705-A Nai Sarak Delhi-110006 011 23265506 Website: www.standardbookhouse.com A venture of Rajsons Group of Companies

Dielectric Method for Laboratory and in Situ Soil Characterization May 29 2022

Proceedings of the Eleventh European Conference on Earthquake Engineering Jan 31 2020

Frontiers in Offshore Geotechnics III May 17 2021 Frontiers in Offshore Geotechnics III comprises the contributions presented at the Third International Symposium on Frontiers in Offshore Geotechnics (ISFOG, Oslo, Norway, 10-12 June 2015), organised by the Norwegian Geotechnical Institute (NGI). The papers address current and emerging geotechnical engineering challenges facing those working in off

HAZARDOUS WASTE MANAGEMENT Aug 20 2021 Hazardous Waste Management theme is a component of Encyclopedia of Environmental and Ecological Sciences, Engineering and Technology Resources in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. Hazardous waste definitions differ from one country to another. A generic definition might center on wastes or combinations of wastes that pose a substantial present or potential hazard to humans or the environment, in part because they are not readily degradable, persistent in the environment and are deleterious to human health or natural resources. Most hazardous wastes are produced in the manufacturing of products for domestic consumption or further industrial application. The Theme on Hazardous Waste Management with contributions from distinguished experts in the field, discusses ecological risk, hazardous waste issues and management. This volume is aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

Bioremediation in the Field Sep 20 2021

Physics and Mechanics of Soil Liquefaction Mar 03 2020 The workshop aims to provide a fundamental understanding of the liquefaction process, necessary to the enhancement of liquefaction prediction. The contributions are divided into eight sections, which include: factors affecting liquefaction susceptibility and field studies of liquefaction.

The Pneumatic Flow Mixing Method Feb 23 2022 The pneumatic flow mixing method was developed to stabilize dredged soil and surplus soil for promoting their beneficial use in 1999. The pneumatic flow mixing method is a new type of the ex-situ cement stabilization techniques, in which dredged soil and surplus soil is mixed with a relatively small amount of chemical binder without any mixing paddles and blades in a pipeline. When a

relatively large amount of compressed air is injected into the pipeline, soil can be separated into small blocks. When binder is injected into the pipeline, the soil block and binder are thoroughly mixed by means of turbulent flow generated in the soil block during transporting. As this method has many benefits ? rapid and large scale execution can be conducted with low cost ? it has been applied to many land reclamation projects, backfilling behind earth retaining wall projects and shallow stabilization projects using dredged soils and surplus soils. The book presents the state of the art in the pneumatic flow mixing method, and covers recent technologies, research activities and know-how in machinery, design, construction technology and quality control and assurance. The Pneumatic Flow Mixing Method is a useful reference tool for engineers and researchers involved in admixture stabilization technology everywhere, regardless of local soil conditions and a variety in applications.

Evaluation of Nuclear Methods of Determining Surface in Situ Soil Water Content and Density Jul 31 2022

Correlations of Soil and Rock Properties in Geotechnical Engineering Nov 30 2019 This book presents a one-stop reference to the empirical correlations used extensively in geotechnical engineering. Empirical correlations play a key role in geotechnical engineering designs and analysis. Laboratory and in situ testing of soils can add significant cost to a civil engineering project. By using appropriate empirical correlations, it is possible to derive many design parameters, thus limiting our reliance on these soil tests. The authors have decades of experience in geotechnical engineering, as professional engineers or researchers. The objective of this book is to present a critical evaluation of a wide range of empirical correlations reported in the literature, along with typical values of soil parameters, in the light of their experience and knowledge. This book will be a one-stop-shop for the practising professionals, geotechnical researchers and academics looking for specific correlations for estimating certain geotechnical parameters. The empirical correlations in the forms of equations and charts and typical values are collated from extensive literature review, and from the authors' database.

Guide for Conducting Treatability Studies Under CERCLA Apr 03 2020

In Situ Soil Remediation Oct 02 2022 In situ remediation techniques have experienced a boom over the last few years, thereby producing a wide range of valuable experiences. Their results have demonstrated that in situ techniques are a mature alternative to conventional remediation techniques. Irrespective of future policy developments, it is impossible to imagine future remediation practice without the use of in situ techniques. The book presents an overview of recent developments in the field of in situ soil remediation. The book is unique in that it is not a compilation of unrelated case studies. A conceptual approach has been chosen; remediation models described in this book are illustrated from a practical point of view. The authors present the Dutch way of treating contaminated land; The Netherlands is renowned for being at the forefront of remediation techniques as a result of the country's progressiveness and experience in this area.

Dynamic Geotechnical Testing Jul 07 2020

ICSE 10 Years Solved Papers Class 10 for 2022 Examinations Jun 05 2020 Arundeeep's ICSE 10 Years Solved Papers for Class X develops deep understanding of the subject and will help you excel in your Board Exams of 2021. ICSE 10 Years Solved Question Paper Highlights: It includes all the 15 subject papers English I, English II, Hindi, Physics, Chemistry, Biology, Mathematics, History and Civics, Geography, Commercial Studies, Commercial Applications, Economics, Economics Applications, Computer Application and Physical Education, Prepare thoroughly with the latest CISCE Curriculum question papers and solved answers from 2011 - 2021 Get familiarized with the Style and Type of questions Proper marking schemes applied for Self Assessment Special topic on Creating Vision Board, maintaining Study Log and Tips on Exam Countdown.

Emerging Technologies in Hazardous Waste Management 8 Sep 08 2020 Several long-term trends in technology evolution have become apparent since these symposia began in 1989. Earlier presenters more frequently discussed treatment methods involving harsh and extensive human intervention. As the symposia have continued, the number of presentations describing extremely harsh and expensive treatment technologies have gradually been supplanted by more subtle and gentler methods. Such methods include subsurface-engineered barriers, phytoremediation, and bioremediation. Nineteen manuscripts were selected for inclusion in this volume, based upon peer review, scientific merit, the editors' perceptions of lasting value or innovative features, and the general applicability of either the technology itself or the scientific methods and scholarly details provided by the authors. General topics include: soil treatment, groundwater treatment, and radioactive waste treatment.

Biodegradation and Bioremediation Oct 29 2019 Alexander presents the basic principles of biodegradation and how these principles relate to bioremediation. All the subject's microbiological, chemical, toxicological, environmental, engineering and technological aspects are covered.

Technology Alternatives for the Remediation of Soils Contaminated with As, Cd, Cr, Hg, and Pb Jan 01 2020

Evaluation of demonstrated and emerging technologies for the treatment and clean up of contaminated land and groundwater (phase II) interim status report. Nov 22 2021

Superfund Innovative Technology Evaluation Jan 13 2021

Arsenic Treatment Technologies for Soil, Waste, and Water Dec 12 2020