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Elements of Pharmacology Engineering Rock Mass Classification Underground Infrastructures Remote Sensing for Natural Resources Management & Monitoring Industrial Adhesives and Gums Nanomaterials and Nanocomposites Climate Change And Agroforestry Perspectives in Natural Resources Management: Watershed-based Approach An Introduction to Air Pollution Not Your Type Of Girl Microbial Fermentation and Enzyme Technology Information Resources on the North American Opossum (Didelphis Virginiana) Material Science NCERT SUMMARY (CLASS VI-XII) Textbook of Pharmaceutical Dispensing Human Anatomy, Physiology and Health Education (For JNTU) An Introduction to Surface Alloying of Metals Cumulated Index Medicus Rock Mass Classification Engineering Practices for Agricultural Production and Water Conservation Management of Drip/Trickle or Micro Irrigation Innovations in Agriculture for a Self-Reliant India Physiology of the Gastrointestinal Tract, Two Volume Set The Marwari Heritage Bibliography of Agriculture Postharvest Technology of Fruits and Vegetables: General concepts and principles Handbook of Magnetic Hybrid Nanoalloys and their Nanocomposites Oak Tasar Culture Proceedings of 17th Edition of International Conference on Emerging Trends in Materials Science and Nanotechnology 2018 The IASGO Textbook of Multi-Disciplinary Management of Hepato-Pancreato-Biliary Diseases Laboratory Techniques In Sericulture The Esophagus Discoveries in Pharmacological Sciences Guidelines for Process Hazards Analysis (PHA, HAZOP), Hazards Identification, and Risk Analysis Advances in Spatial and Temporal Databases Transition Elements—Advances in Research and Application: 2012 Edition Graft-Versus-Host Disease: New Insights for the Healthcare Professional: 2011 Edition Solvents—Advances in Research and Application: 2012 Edition Soil Resources And Its Mapping Through Geostatistics Using R And QGIS High Temperature Superconductors

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This book will provide an exposure to recent developments in the field of geostatistical modeling, spatial variability of soil resources, and preparation of digital soil maps using R and GIS and potential application of it in agricultural resource management. Specifically following major areas are covered in the book. This essential reference provides the most comprehensive presentation of state-of-the-art research being conducting worldwide today in this growing field of research and applications. HTS are currently being supported by numerous governmental and industrial initiatives in the USA and Asia and Europe to overcome energy distribution issues and are now being commercialised for power-delivery devices, such as power transmission lines and cables, motors, and generators. Applications in electric utilities include energy-storing devices to help industries avoid dips in electric power, current limiters, and long transmission lines. The technology is particularly thought out for highly-populated and denser areas. Both editors are leading experts in the field from the National Renewable Energy Laboratory and the Oak Ridge National Laboratory. This book can be used as a companion teaching tool, and also as a research and professional reference. Written primarily for students of medicine, pharmacy, and pharmacology, this introductory book provides a concise summary of the principles that underlie the science of pharmacology. It presents the basic concepts required for understanding the use, mechanisms of action, toxicity and side effects, and therapeutic application of drugs in man. Thus the book may also be of interest to medical practitioners and to biological and medical scientists. Among topics covered are the sources of drugs, the way they are administered and dealt with in the body, as well as concepts about the nature of their actions. The last include their chemical interactions with components of cells and the manner in which these lead to therapeutically desirable as well as undesirable and even toxic effects. In addition, clinically related subjects, such as drug interactions, teratogenic and carcinogenic effects are discussed. The development and testing of new drugs are also described. For easy reference, at the back of the book there is a glossary of drugs named in the text. Natural change in climate is slow and takes millions of years; and it is known to have made our planet hospitable to live. The climate change is not limited to one country or a continent. It is occurring across the globe as evident from droughts in Texas and flooding along the Missouri River in the United States and along the Red River in Canada. Climate change drives many stressors and interacts with many non-climatic stressors which make it difficult to forecast outcomes in any general way other than existing threats to agriculture. Agroforestry increases a high level of diversity within agricultural lands which supports numerous ecological and production services that bring resilience to the impact of climate change mitigation and adaptation. Climate change risk management is difficult in annual cropping systems due to increasing uncertainty of inter-annual variability in rainfall and temperature. Mixing of woody trees with crops, forage and livestock operations provides greater resilience to the inter-annual variability through crop diversification and increased resource use efficiency. Deep rooted trees allow better access to nutrients and water during droughts and when appropriately integrated into annual cropping systems and extract from different resource pools that would otherwise be lost from systems. Agroforestry increases soil porosity, reduces runoff and increases soil cover, which improve water infiltration and reduces moisture stress in low rainfall years. During periods of excessive soil moisture, tree based systems keep soils aerated by pumping out excess water and offer an economic return. The book contains 36 chapters mainly on agroforestry practices found in India and its role in climate change mitigation and adaptation. April 26-27, 2018 Rome, Italy Key Topics : Nano Electronics, Nanotechnology For Clean Energy And Environment, Nano Applications, Nano Biotechnology, Nano Bio Medicine, Carbon And Graphene Nano-Structures, Polymer Science Engineering, Bio Polymers And Bio Plastics, Advanced Materials Science, Nano Composites, Nano Technology In Materials Science, Corrosion Engineering And Corrosion Protection, Biomaterials, Electronic, Optical & Magnetic Materials., Nano Photonics, Advanced Nano Materials, All pollution is taught at length in environmental science, engineering, life sciences, and social science courses. The syllabi of these courses are as vast and varied as the dimentions of this global problem and consequently there is ever increasing need of information on sources, effects and control of air pollution. The present book is an attempt in this direction and has been particularly written to fill up the visible gaps in the information required by various users in India. Having taught this subject for over two and a half decades, the authors were constantly conscious of a comprehensive book in this field. From the early Vedic period, the Vaishyas, the oldest mercantile community of India, generated wealth for the nation through their remarkable efforts. Their Marwari offshoots were appointed by many rulers as ministers, advisors and diwans and were recognised as the first philanthropists in India. The Marwari Heritage takes the reader on a voyage of discovery of the Marwaris who migrated from Rajputana, Haryana, Malwa and its adjoining regions to other parts of India. They braved trials and tribulations in unchartered territories, supporting others of their community, never losing faith in their ability to succeed, and focused on their goal, they became the uncrowned kings, first of trade and business, and later of industry. They joined the freedom struggle with a true spirit of patriotism, philanthropy and active political involvement. Many courted imprisonment and even achieved martyrdom. Today, the roots of the Marwari community are deeply enmeshed in the social, cultural and economic fabric of India. Their innate psyche of giving back to society has seen them donate generously to education, empowerment of women and vocational training leading to employment. Shedding some traditions and retaining many, they have stepped into the modern age, achieving an enviable cultural mix. At the helm of most successful entrepreneurial enterprises, their focus on innovation and technological advancement has resulted in governments of several countries seeking their advice on economic growth. Of the many who have left an indelible mark on the history, socio-political and economic foundations of the country, this book is enriched with rich cameos of some of these ‘greats’ and the reader derives insights into numerous newly discovered and hitherto unrecorded facts. The younger generation of Marwaris continue to dream big and build on the foundations their forefathers planted. They continue to grow from strength to strength, marching towards new horizons. The plethora of welfare schemes and trusts responsible for development of the nation’s needy continue to be monitored with precision. Meticulously researched over five years and richly illustrated with over 100 rare, coloured photographs, paintings, and 600 black and white photographs, illustrations and rare documents published for the first time, readers have much to feast their eyes on. This pictorial book also serves as an inspiration to any and everyone who dares to dream and reach for the skies. The book brings out an encyclopaedic picture of the potential areas of transformative Indian agriculture through innovations in science, technology, institutional and policy affairs directed in building a self-reliant India (Atmanirbhar Bharat). The book has addressed the challenges to make India free from hunger, poverty and undernutrition, and suggested interventions with focus on all-inclusiveness and sustainability, peace and prosperity, and resilience to climate and other volatilities. Most of these propositions are analogous to the Sustainable Development Goals – Agenda 2030, which India has committed to achieve. The book specially covers critical needs for development on different fragile ecosystems such as coastal, desert, hill, ravine and other marginal ecosystems. The book will act as very useful guidance for the policy makers, and development communities, and a reference document to the academicians as well. Note: T&F does not sell or distribute the hardback in India, Pakistan, Nepal, Bhutan, Bangladesh and Sri Lanka. This title is co-published with NIPA. The book attempts to match user need to the level of technology required for management, planning and monitoring of natural resources. It provides clear guidance on the reliability, accuracy and cost of applications. Editors believe that this endeavour shall provide a valuable scientific basis to students and researchers to address the future challenges in natural resources monitoring and management. Accurate inventory, assessment and periodic monitoring of resources will enable the policy makers to keep an eye on optimal utilization of resources and development process to take timely interventions. We further hope this book will be a valuable reference and provide practical guidance for all who work towards the goal of the sustainable and judicious use of resources. Solvents—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Solvents. The editors have built Solvents—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Solvents in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Solvents—Advances in Research and Application: 2012 Edition has been produced by the world’s leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. Part-1 : Human Anatomy And Physiology 1. Scope Of Anatomy, Physiology And Health Education 2. The Cell 3. Tissues 4. Osseous System 5. Joints 6. Skeletal Muscle 7. The Blood 8. Body Fluids, Lymph And Lymphatic System 9. Cardiovascular System 10. Digestive Graft-Versus-Host Disease: New Insights for the Healthcare Professional: 2011 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Graft-Versus-Host Disease in a concise format. The editors have built Graft-Versus-Host Disease: New Insights for the Healthcare Professional: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Graft-Versus-Host Disease in this eBook to be deeper than what you can access anywhere else, as well as

consistently reliable, authoritative, informed, and relevant. The content of Graft-Versus-Host Disease: New Insights for the Healthcare Professional: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. Transition Elements—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Transition Elements. The editors have built Transition Elements—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Transition Elements in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Transition Elements—Advances in Research and Application: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. Offers exposition of the classification of underground space, important considerations such as geological and engineering and underground planning. This title includes chapters concerning applications for underground water storage, underground car parks, underground metros and road tunnels and underground storage of crude oil, lpg and natural gas. This informative new book takes an interdisciplinary look at agricultural and food production and how new engineering practices can be used to enhance production. With contributions from international experts from India, Russia, China, Serbia, and USA, this book presents a selection of chapters on some of these emerging practices, focusing on soil and water conservation and management; agricultural processing engineering; water quality and management; emerging agricultural crops; renewable energy use in agriculture; and applications of nanotechnology in agriculture. Physiology of the Gastrointestinal Tract, Fifth Edition — winner of a 2013 Highly Commended BMA Medical Book Award for Internal Medicine — covers the study of the mechanical, physical, and biochemical functions of the GI Tract while linking the clinical disease or disorder, bridging the gap between clinical and laboratory medicine. The gastrointestinal system is responsible for the breakdown and absorption of various foods and liquids needed to sustain life. Other diseases and disorders treated by clinicians in this area include: food allergies, constipation, chronic liver disease and cirrhosis, gallstones, gastritis, GERD, hemorrhoids, IBS, lactose intolerance, pancreatic, appendicitis, celiac disease, Crohn's disease, peptic ulcer, stomach ulcer, viral hepatitis, colorectal cancer and liver transplants. The new edition is a highly referenced and useful resource for gastroenterologists, physiologists, internists, professional researchers, and instructors teaching courses for clinical and research students. 2013 Highly Commended BMA Medical Book Award for Internal Medicine Discusses the multiple processes governing gastrointestinal function Each section edited by preeminent scientist in the field Updated, four-color illustrations This textbook includes 70 chapters contributed by an exceptional group of experts in all areas of hepato-pancreato-biliary diseases, bringing a multi-disciplinary approach to treatments. The book is designed to cover all aspects of the liver and pancreatic anatomy and pathology, as well as therapy. The topics are comprehensively reviewed, and as well as summarizing the previous works, the authors provide discussions of practice-changing techniques and approaches to therapy of HBP cancers. Treating the diseases in hepato-pancreato-biliary regions is particularly difficult due to the complex anatomy, aggressive biological behavior, and poor prognosis. Therefore, ample illustrations are included to tackle these challenges. The IASGO Textbook of Multi-Disciplinary Management of Hepato-Pancreato-Biliary Diseases aims to update the academic and non-academic medical professionals, such as surgeons, radiation oncologists, medical oncologists, gastroenterologists, interventional radiologists, radiologists, basic scientists. In collaboration with the International Association of Surgeons, Gastroenterologists and Oncologists (IASGO), delivers a valuable and well-organized textbook for medical professionals. The main aims of this book are to summarize the fundamentals, synthesis methods, properties and applications of nanomaterials, so as to provide readers with a systematic knowledge on nanomaterials. In addition, the book covers most commonly used characterization tools pertaining to nanomaterials. Further, it deals with relevant aspects of nanocomposites which contains dispersion of nano-sized particulates, and carbon nanotubes (CNTs) in the matrices (polymer, metal and ceramic). It also discusses development of smart nano textiles (intelligent textiles), self-cleaning glass, sensors, actuators, ferro-fluids, and wear resistant nano coatings. Aimed at senior undergraduate and graduate students, the key features on this book include: Top-down and bottom-up approaches for the synthesis of nanomaterials included Illustrates sample preparation and basic principle of characterization tools for nanomaterials Explains calculation of ratios of surface area to volume and surface atoms to bulk atoms Reviews synthesis, properties and applications of carbon nanotubes and magnetic nanomaterials Discusses size effect on thermal, mechanical, optical, magnetic and electrical properties This comprehensive reference work satisfies the need for in-depth and multidisciplinary coverage of the current state of the art of magnetic hybrid nanoalloys (MHNAs) and their polymer and ceramic nanocomposites. MHNAs represent one of the most challenging research areas in modern science and technology. These materials are stiff and strong with remarkable electronic, mechanical, electrical, thermal and biocompatible properties, and a high potential for multifunctional applications ranging from industry to medicine. The peer-reviewed literature is already extensive, witnessing rapid progress in experimental and theoretical studies on fundamental properties as well as various advanced applications. Part 1 covers theory, modelling, and synthesis (growth and alloying mechanisms) of MHNAs. Formation mechanisms of magneto-electric multiferroic materials, magnetic carbon nanotube (CNTs), and perovskite materials, which are a novel class of next-generation multifunctional nanomaterials, are discussed. The second part focuses on characterization techniques for electrical and dielectrical, rheological, biocompatibility, and other properties, as well as applications in the industrial, agricultural, environmental, and biomedical sectors. Finally, life cycle assessment is considered as essential to the development of nanomaterials and nanoproducts from MHNAs. Advanced undergraduate and graduate students, researchers, and other professionals in the fields of materials science and engineering, polymer science, surface science, bioengineering, and chemical engineering will find comprehensive and authoritative information for solving fundamental and applied problems in the characterization and use of these multifunctional nanomaterials. The Seventh International Symposium on Spatial and Temporal Databases (SSTD 2001), held in Redondo Beach, CA, USA, July 12{15, 2001, brought together leading researchers and developers in the area of spatial, temporal, and spatio-temporal databases to discuss the state of the art in spatial and temporal data management and applications, and to understand the challenges and - search directions in the advancing area of data management for moving objects. The symposium served as a forum for disseminating research in spatial and temporal data management, and for maximizing the interchange of knowledge among researchers from the established spatial and temporal database communities. The exchange of research ideas and results not only contributes to the academic arena, but also benefits the user and commercial communities. SSTD 2001 was the seventh in the series of symposia that started in Santa Barbara a dozen years ago and has since been held every two years, in Zurich, Singapore, Portland (Maine), Berlin, and Hong Kong. By 1999, the series had become well established as the premier international forum devoted solely to spatial database management, and it was decided to extend the scope of the series to also cover temporal database management. This extended scope was chosen due, in part, to the increasing importance of research that considers spatial and temporal aspects jointly. This is easily the most focused and comprehensive book available dedicated to the esophagus and its conditions, fully exploring anatomy, physiology, pathology, diagnosis, and treatment. Edited by two former presidents of the ACG and ASG, the world's two largest gastroenterology societies, the text offers approved treatment guidelines from these organizations. This new edition updates all chapters with the latest developments, highlighting advances in diagnostic techniques, and both surgical and drug treatment therapies for esophageal conditions. The new edition also features an electronic component, with searchable text and all figures available in slide format. The Book Is Divided Into 9 Chapters Such As-Introduction, Food Plants Of Oak Tasar Silkworm, Oak Propagation, Disease And Pest Management In Oak, Biography Of Oak Tasar Silkworm, Silkworm Rearing And Ethnology, Silkworm Seed Technology, Silkworm Rearing Technology, Silk Reeling And Spinning. 4 Appendices, Index. This unique manual is a comprehensive, easy-to-read overview of hazards analysis as it applies to the process and allied industries. The book begins by building a background in the technical definition of risk, past industrial incidents and their impacts, ensuing legislation, and the language and terms of the risk field. It addresses the different types of structured analytical techniques for conducting Process Hazards Analyses (PHA), provides a "What If" checklist, and shows how to organize and set up PHA sessions. Other topics include layout and siting considerations, Failure Modes and Effect Analysis (FMEA), human factors, loss of containment, and PHA team leadership issues. This important book—the only complete, one-stop manual on microirrigation worldwide—offers knowledge and techniques necessary to develop and manage a drip/trickle or micro irrigation system. The simplicity of the contents facilitates a technician to develop an effective micro irrigation system. Management of Drip/Trickle or Micro Irrigation includes the basic considerations relating to soil-water-plant interactions, with topics such as methods for soil moisture measurement; evapotranspiration; irrigation systems; tensiometer use and installation; principles of drip/ micro/ trickle irrigation; filtration systems; automation; chlorination; service and maintenance; design of drip irrigation and lateral lines; the evaluation of uniformity of application; and an economical analysis for selecting irrigation technology. Throughout history, the perpetuation of species, the need for survival, and human curiosity, intelligence and skills provided the basis for the development of drug science. This unique book, Discoveries in Pharmacological Sciences, contains the history of herbal medicine as it emerged about 5,000 years ago. Recent discoveries in genetics are integrated with the observations in the past. An understanding of the history of drugs and toxic chemicals is essential for the proper utility of these substances by the population at large. The book is written with the purpose to familiarize drug research of the investigators in chemical, pharmaceutical, pharmacological, and biomedical sciences. It is important to note that plants containing morphine, quinine, physostigmine, pilocarpine, atropine, d-tubocurarine, reserpine, tetrahydrocannabinol, cardiac glycosides, ephedrine and colchicine were used by various cultures for centuries. Since 1805 pure, active, therapeutic constituents were isolated and chemically characterized. Parallel to these developments, the science of human anatomy, physiology, biochemistry, genetics and pharmacology has advanced. New synthetic drugs were discovered. The chemistry of perfumes and sensory functions including memory were elucidated. The history of fascinating discoveries made by scientists of Nobel repute is documented. Better testing methods were developed. The causes of many diseases were better understood. Drug laws were instituted a century ago. The pharmaceutical industry flourished. The text provides a panoramic view of the understanding of when, where, who, how and why drugs were developed. Educational aspects of teaching pharmacological sciences are reviewed. The historical account will be invaluable to graduate students and creative scientists, who can prepare for the future. The book will serve to enhance the cumulative scientific knowledge of the investigators in drug discovery. It contains a well integrated wealth of information in drug sciences and pharmacotherapeutics. The time, place and the human side of investigators, their portraits with biographical sketches are presented. The reading of Discoveries in Pharmacological Sciences will satisfy the intellectual curiosity of investigators. Understanding of Discoveries in Pharmacological Sciences will provide a platform to judge the importance of the personalized medicine of tomorrow. Scattered classical information about drug sciences is effectively condensed here. The development of the scientific thoughts and creativity of the investigators through the ages in drug research are presented admirably. The book is meant to be an all-inclusive text covering not just the target syllabus comprehensively but also facts for the exam. The book also provides comprehensive and depth analysis for comprehensive examination. This book effectively caters to the requirement of many competitive examinations, particularly UPSC, UPPSC, BPSC, JPSC, MPPSC and others. The book is largely divided into Indian History (Ancient India, Medieval India and Modern India), Art and Culture, World History, Geography (World Geography, Landforms, and Indian Geography), Environment and Ecology, Indian Polity and Constitution, Indian Economy, General Science (Physics, Chemistry, and Biology), Science and Technology which based on NCERT Books in different segments so that an aspirant can easily find out the desired information from it. NCERT Summary have been provided to give the aspirants a sense of direction and focus during the course of their study. In the selection of material, various competitive examinations have also been taken into consideration. The discovery of enzymes as biocatalysts has led to various biotechnological developments. The capability of enzymes to catalyse various chemical reactions both in vivo and in vitro has led them to applications in various industries, such as food, feed, pharmaceutical, diagnostics, detergent, textile, paper, leather, and fine chemical industries. Microbial Fermentation and Enzyme Technology mainly focuses on production and application of enzymes in various industries. Further, it also discusses recent developments in enzyme engineering particularly those involved in creating and improving product formations through enzyme and fermentation technology. Salient features: Includes current research and developments in the area of microbial aspects in different fields like food, chemicals, pharmaceutical, bioprocess, etc. Discusses various enzymes that are used in refinement of environmental pollutions and its application in different industrial sectors Focuses on production and application of enzymes in various industries Highlights recent developments in enzyme engineering with respect to its application in textile, pharmaceutical, nanobiotechnology, bioremediation and many other related fields. Rock Mass Classifications - A Practical Approach in Civil Engineering was written in response to the many unanswered questions regarding this subject. Questions such as - Is Classification reasonably reliable? Can it be successful in crisis management of geohazards? Can a single Classification system be general for all rock structures? Is Classification a scientific approach? Laborious field research was undertaken in the Himalayan mountains by a team of scientists from the Central Mining Research Institute (CMRI), University of Roorkee (UOR), Central Soil and Material Research Station (CSMRS), U.P. Irrigation Research Institute (UPIRI), and Norwegian Geotechnical Institute (NGI) to answer these questions. The results obtained from the research work were systematically compiled to produce this book which bears particular relevance to civil, mining and petroleum engineers and geologists. Endorsements "It is a Handbook of Rock Engineering" - Zhao Jian, School of Civil & Structural Engineering, Nanyang Technological University, Singapore "I came across your new book - Rock Mass Classification, absolutely fantastic" - Subodh K. Jain, U.S.A Rock mass classification methods are commonly used at the preliminary design stages of a construction project when there is very little information. It forms the bases for design and estimation of the required amount and type of rock support and groundwater control measures. Encompassing nearly all aspects of rock mass classifications in detail, Civil Engineering Rock Mass Classification: Tunnelling, Foundations and Landsides provides construction engineers and managers with extensive practical knowledge which is time-tested in the projects in Himalaya and other parts of the world in complex geological conditions. Rock mass classification is an essential element of feasibility studies for any near surface construction project prior to any excavation or disturbances made to earth. Written by an author team with over 50 years of experience in some of the most difficult mining regions of the world, Civil Engineering Rock Mass Classification: Tunnelling, Foundations and Landsides provides construction engineers, construction managers and mining engineers with the tools and methods to gather geotechnical data, either from rock cuts, drifts or core, and process the information for subsequent analysis. The goal is to use effective mapping techniques to obtain data can be used as input for any of the established rock classification systems. The book covers all of the commonly used classification methods including: Barton's Q and Q' systems, Bieniawski's RMR, Laubscher's MRMR and Hoek's and GSI systems. With this book in hand, engineers will be able to gather geotechnical data, either from rock cuts, drifts or core, and process the information for subsequent analysis. Rich with international case studies and worked out equations, the focus of the book is on the practical gathering information for purposes of analysis and design. Identify the most significant parameters influencing the behaviour of a rock mass Divide a particular rock mass formulation into groups of similar behaviour, rock mass classes of varying quality Provide a basis of understanding the characteristics of each rock mass class Relate the experience of rock conditions at one site to the conditions and experience encountered at others Derive quantitative data and guidelines for engineering design Provide common basis for communication between engineers and geologists "I am feeling "exious" - excited and nervous at the same time but not a real word. How does one fit in in a new continent, country, culture? What's acceptable and what's not? Will I make any friends here, ever?" Not Your Type of Girl takes you into the lives of three 5th graders telling their respective intertwined perspectives of their first week at school in their own words. NYTOG is a fun, amusing, light-hearted, relatable read for young readers. It is a good read for parents curious to get an insider perspective on what really goes on in their child's life and mind after they drop them off to the school!Myra Goyal has been writing, drawing and illustrating since she was 5. She is currently 10 years old and in 5th grade elementary school. She wrote NYTOG during her 3rd and 4th grade years. She is a keen observer and draws her story ideas and inspiration from her life experiences, reading, travels, family and friends. Myra has a unique comic sense in her storytelling. She creates relatable character caricatures and brings her audience into her life-life stories and portraits. The present book offers a collection of diverse studies on natural resources management. Specifically, it addresses various issues as well as the incorporation of technological advancements into watershed management strategies. An Introduction to Surface Alloying of Metals aims to serve

as a primer to the basic aspects of surface alloying of metals. The book serves to elucidate fundamentals of surface modification and their engineering applications. The book starts with basics of surface alloying and goes on to cover key surface alloying methods, such as carburizing, nitriding, chromizing, duplex treatment and the characterization of surface layers. The book will prove useful to students at both the undergraduate and graduate levels, as also to researchers and practitioners looking for a quick introduction to surface alloying.

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