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Textbook of Engineering Geology - Kesavulu 2009-02

Textbook of Engineering Geology presents study of geology comprehensively from a civil engineering point of view. The author contends that mere technical perfection cannot ensure the safety and success of large-scale civil engineering constructions such a

Handbook of Gas Sensor Materials - Ghenadii Korotcenkov 2013-09-18

The two volumes of Handbook of Gas Sensor Materials provide a detailed and comprehensive account of materials for gas sensors, including the properties and relative advantages of various materials. Since these sensors can be applied for the automation of myriad industrial processes, as well as for everyday monitoring of such activities as public safety, engine performance, medical therapeutics, and in many other situations, this handbook is of great value. Gas sensor designers will find a treasure trove of material in these two books.

Principles of Paleontology - David Raup 1978-03-15

Explains in a clear and concise manner the factors involved in the description and classification of fossils and the practical applications of paleontologic data

Economic Geology - Walter L. Pohl 2011-04-25

Humanity's ever-increasing hunger for mineral raw materials, caused by a growing global population and ever increasing standards of living, has resulted in economic geology becoming a subject of urgent importance. This book provides a broad panorama of mineral deposits, covering their origin and geological characteristics, the principles of the search for ores and minerals, and the investigation of newly

found deposits. Practical and environmental issues that arise during the life cycle of a mine and after its closure are addressed, with an emphasis on sustainable and "green" mining. The central scientific theme of the book is to place the extraordinary variability of mineral deposits in the frame of fundamental geological processes. The book is written for earth science students and practicing geologists worldwide. Professionals in administration, resource development, mining, mine reclamation, metallurgy, and mineral economics will also find the text valuable. Economic Geology is a fully revised translation of the the fifth edition of the German language text Mineralische und Energie-Rohstoffe. Additional resources for this book can be found at:

www.wiley.com/go/pohl/geology. The author's website can be found at:

<http://www.walter-pohl.com>.

Atlas - DK 2015-04-01

From the Alps dominating Central Europe to the remote Rapa Nui island in the Pacific Ocean, carry the world in your pocket with this handy book. Covering all 196 countries, Atlas features over 260 elaborately detailed maps. Each map is enriched with information about the region as well as political profiles of the countries. From the Atacama Desert to the Zagros Mountains, this updated version presents digital landscape modelling combined with important roads, railways, rivers and settlements to give a complete global overview. An atlas and an A-Z gazetteer packed in one volume, this atlas will delight you with essential amazing facts, useful insights, and statistical figures from around the world. This book also includes data on climate to population and economy, helping you brush up

your knowledge of other countries. Loaded with outstanding maps and a huge amount of information in a tiny package, Atlas will let you journey across the world in the comfort of your home or classroom.

Estrogens and Antiestrogens I - Michael Oettel 1999-07-30

These volumes cover all relevant aspects of recent research in estrogens and antiestrogens from chemistry, physiology, pharmacology to clinical applications. Particular emphasis is devoted to new developments in the area of estrogen receptors including estrogen receptor and the mode of action of novel partial estrogen agonists/ antagonists. Further topics address the importance of estrogen and antiestrogens in fertility, aging, cancer, animal husbandry and the environment. Part I discusses the complex chemistry of steroidal and non-steroidal estrogens and antiestrogens as well as the molecular mechanisms of estrogen action. The volume provides information on the metabolism and the various physiological and pathophysiological responses of estrogens. The chapters have been written by experts in the field of endocrinology for researchers, lecturers, physicians and pharmacologists. Due to their broad scope these volumes will be indispensable reference books in any library.

Engineering Geology - F G Bell 2007-02-14

Every engineering structure, whether it's a building, bridge or road, is affected by the ground on which it is built. Geology is of fundamental importance when deciding on the location and design of all engineering works, and it is essential that engineers have a basic knowledge of the subject. Engineering Geology introduces the fundamentals of the discipline and ensures that engineers have a clear understanding of the processes at work, and how they will impact on what is to be built. Core areas such as stratigraphy, rock types, structures and geological processes are explained, and put in context. The basics of soil mechanics and the links between groundwater conditions and underlying geology are introduced. As well as the theoretical knowledge necessary, Professor Bell introduces the techniques that engineers will need to learn about and understand the geological conditions in which they intend to build. Site investigation

techniques are detailed, and the risks and risk avoidance methods for dealing with different conditions are explained. * Accessible introduction to geology for engineers * Key points illustrated with diagrams and photographs * Teaches the impact of geology on the planning and design of structures

Principles of Engineering Geology - P.B. Attewell 2012-12-06

'Engineering geology' is one of those terms that invite definition. The American Geological Institute, for example, has expanded the term to mean 'the application of the geological sciences to engineering practice for the purpose of assuring that the geological factors affecting the location, design, construction, operation and maintenance of engineering works are recognized and adequately provided for'. It has also been defined by W. R. Judd in the McGraw-Hill Encyclopaedia of Science and Technology as 'the application of education and experience in geology and other geosciences to solve geological problems posed by civil engineering structures'. Judd goes on to specify those branches of the geological or geo-sciences as surface (or surficial) geology, structural/fabric geology, geohydrology, geophysics, soil and rock mechanics. Soil mechanics is firmly included as a geological science in spite of the perhaps rather unfortunate trends over the years (now happily being reversed) towards purely mechanistic analyses which may well provide acceptable solutions for only the simplest geology. Many subjects evolve through their subject areas from an interdisciplinary background and it is just such instances that pose the greatest difficulties of definition. Since the form of educational development experienced by the practitioners of the subject ultimately bears quite strongly upon the corporate concept of the term 'engineering geology', it is useful briefly to consider that educational background.

Engineering Geology - Subinoy Gangopadhyay 2013-01-17

Engineering Geology will serve as a textbook for the undergraduate and postgraduate students of engineering geology, applied geology, mining and civil engineering. It will also serve as a reference text for civil engineers and professional geologists.

Principles of Engineering Geology and Geotechnics - Dimitri P. Krynine, William R. Judd 1957

India's New Capitalists - H. Damodaran
2008-06-25

In order to do business effectively in contemporary South Asia, it is necessary to understand the culture, the ethos, and the region's new trading communities. In tracing the modern-day evolution of business communities in India, this book uses social history to systematically document and understand India's new entrepreneurial groups.

Soil Pollution - An Emerging Threat to Agriculture - Jayanta K. Saha 2017-04-05

The book provides reader with a comprehensive up-to-date overview of various aspects of soil pollutants manifestation of toxicity. The book highlights their interactions with soil constituents, their toxicity to agro-ecosystem & human health, methodologies of toxicity assessment along with remediation technologies for the polluted land by citing case studies. It gives special emphasis on scenario of soil pollution threats in developing countries and ways to counteract these in low cost ways which have so far been ignored. It also explicitly highlights the need for soil protection policy and identifies its key considerations after analyzing basic functions of soil and the types of threats perceived. This book will be a useful resource for graduate students and researchers in the field of environmental and agricultural sciences, as well as for personnel involved in environmental impact assessment and policy making.

Rutley's Elements of Mineralogy - C.D. Gribble 2012-12-06

Rutley's elements of mineralogy has been around for a long time, certainly throughout my own lifetime; and if my great grandfather had read geology, it would have been prescribed reading for him too! It has been rewritten and revised frequently since first conceived by Frank Rutley in the late 19th century. Major revisions occurred in 1902, and then in 1914, when H. H. Read first took over the authorship, and thereafter in 1936 and in 1965 when the last

major changes occurred. It was with some trepidation that I agreed to attempt this revision. I had been asked to do it by Janet Watson in 1979, but various commitments delayed my start on it until 1984. This 27th edition encompasses a number of changes. Chapters 1-5 have the same headings as before, but considerable changes have been made in all of them, particularly 1, 3, 4 and 5. Comments sought prior to the revision revealed considerable disagreement about the role of blowpipe analyses in the book. I have only once had blowpipe analyses demonstrated to me, and have never used them; but there is no doubt that they are employed in many countries, and many of the tests (flame colour, bead, etc.) are still useful as rapid indicators of which element is present in a mineral. I have therefore kept blowpipe analysis information in Rutley, but have relegated it to an appendix.

Petroleum and Basin Evolution - Dietrich H. Welte 2012-12-06

This book has been prepared by the collaborative effort of two somewhat separate technical groups: the researchers at the Institute for Petroleum and Organic Geochemistry, Forschungszentrum Jilich (KFA), and the technical staff of Integrated Exploration Systems (IES). One of us, Donald R. Baker, from Rice University, Houston, has spent so much time at KFA as a guest scientist and researcher that it is most appropriate for him to contribute to the book. During its more than 20-year history the KFA group has made numerous and significant contributions to the understanding of petroleum evolution. The KFA researchers have emphasized both the field and laboratory approaches to such important problems as source rock recognition and evaluation, oil and gas generation, maturation of organic matter, expulsion and migration of hydrocarbons, and crude oil composition and alteration. IES Jilich has been a leader in the development and application of numerical simulation (basin modeling) procedures. The cooperation between the two groups has resulted in a very fruitful synergy effect both in the development of modeling software and in its application. The purpose of the present volume developed out of the 1994 publication by the American Association of Petroleum Geologists of a collection of individually authored papers

entitled *The Petroleum System - From Source to Trap*, edited by L. B. Magoon and W. G. Dow.

Recent Developments in Bioenergy

Research - Vijai G. Gupta 2020-06-21

Recent Developments in Bioenergy Research reviews all these topics, reports recent research findings, and presents potential solutions to challenging issues. The book consolidates the most recent research on the (bio)technologies, concepts and commercial developments that are currently in progress on different types of widely-used biofuels and integrated biorefineries across biochemistry, biotechnology, biochemical engineering and microbiology. Chapters include very recent/emerging topics, such as non-ionic and ionic liquids/surfactants for enhancement of lignocellulose enzymatic hydrolysis and lignocellulose biomass as a rich source of bio-ionic liquids. The book is a useful source of information for those working in the area of industrial wastewater treatment and microbial fuel cells, but is also a great resource for senior undergraduate and graduate students, researchers, professionals, biochemical engineers and other interested individuals/groups working in the field of biofuel/bioenergy. Provides unique information on biomass-based biofuels for fundamental and applied research. Outlines research advancements in the areas of bio-hydrogen, bioethanol, bio-methane and biorefineries. Includes emerging topics on biomass (including wastes) characterization and its uses as a resource for environmental bioremediation and bioenergy. Reviews enzyme engineering for biomass to bioproducts and biochemicals, lipids/bio-oil. Focuses on biological/ biochemical routes, as these options have the greatest potential to be the most cost-effective methods for biofuel/bioenergy production.

Nanomaterials Chemistry - C. N. R. Rao

2007-09-24

With this handbook, the distinguished team of editors has combined the expertise of leading nanomaterials scientists to provide the latest overview of this field. They cover the whole spectrum of nanomaterials, ranging from theory, synthesis, properties, characterization to application, including such new developments as quantum dots, nanoparticles, nanoporous materials, nanowires, nanotubes, and

nanostructured polymers. The result is recommended reading for everybody working in nanoscience: Newcomers to the field can acquaint themselves with this exciting subject, while specialists will find answers to all their questions as well as helpful suggestions for further research.

The Marketisation of Higher Education and the Student as Consumer - Mike Molesworth
2010-10-04

Until recently government policy in the UK has encouraged an expansion of Higher Education to increase participation and with an express aim of creating a more educated workforce. This expansion has led to competition between Higher Education institutions, with students increasingly positioned as consumers and institutions working to improve the extent to which they meet 'consumer demands'. Especially given the latest government funding cuts, the most prevalent outlook in Higher Education today is one of business, forcing institutions to reassess the way they are managed and promoted to ensure maximum efficiency, sales and 'profits'. Students view the opportunity to gain a degree as a right, and a service which they have paid for, demanding a greater choice and a return on their investment. Changes in higher education have been rapid, and there has been little critical research into the implications. This volume brings together internationally comparative academic perspectives, critical accounts and empirical research to explore fully the issues and experiences of education as a commodity, examining: the international and financial context of marketisation the new purposes of universities the implications of university branding and promotion league tables and student surveys vs. quality of education the higher education market and distance learning students as 'active consumers' in the co-creation of value changing student experiences, demands and focus. With contributions from many of the leading names involved in Higher Education including Ron Barnett, Frank Furedi, Lewis Elton, Roger Brown and also Laurie Taylor in his journalistic guise as an academic at the University of Poppleton, this book will be essential reading for many.

Prospecting and Exploration of Mineral Deposits - M. Böhmer 2013-10-22

This is the completely revised edition of a book which was published in 1978 and, such was its popularity, was sold out within two years. It was described as "An excellent compilation and condensation of a vast field of literature and experience in economic geology. Clear illustrations, charts and tables punctuate the text material very nicely... Valuable for all economic geologists and resource developers." (Choice). The material is illustrated by 215 text figures and 76 tables, and is presented in two parts. The first part covers the geological background of the genesis of mineral deposits as a clue to new discoveries, and the methods of geological, geochemical and geophysical prospecting. The second part concerns sampling, documentation and computation of ore reserves and economic assessment of mineral deposits. This new edition has been very extensively revised and brought up to date. This holds true particularly for the chapters on geochemical and geophysical methods, the use of photo-geology and satellite imagery, oil and gas prospecting, exploration of underwater minerals, the application of the principles of global tectonics in prospecting for deposits, and the evaluation of reserves. These new or thoroughly revised chapters comprise almost half of the entire text.

An Introduction to Geology - V. S. Joji
2017-06-30

Contains two sections - descriptive and question bank sections. The descriptive part of the book contains concise and focused treatment of the different sub-disciplines of Geology. The book covers all the major topics in Geology, with an emphasis on the geology of India; contains more than 1400 objective type questions with answers; and presents solved GATE papers from the last 5 years.

Computer Applications in Food Technology - R. Paul Singh 1996-08-12

The Institute of Food Technologists (IFT) recently endorsed the use of computers in food science education. The minimum standards for degrees in food science, as suggested by IFT, "require the students to use computers in the solution of problems, the collection and analysis of data, the control processes, in addition to word processing." Because they are widely used in business, allow statistical and graphical of experimental data, and can mimic

laboratory experimentation, spreadsheets provide an ideal tool for learning the important features of computers and programming. In addition, they are ideally suited for food science students, who usually do not have an extensive mathematical background. Drawing from the many courses he has taught at UC Davis, Dr. Singh covers the general basics of spreadsheets using examples specific to food science. He includes more than 50 solved problems drawn from key areas of food science, namely food microbiology, food chemistry, sensory evaluation, statistical quality control, and food engineering. Each problem is presented with the required equations and detailed steps necessary for programming the spreadsheet. Helpful hints in using the spreadsheets are also provided throughout the text. Key Features * The first book to integrate spreadsheets in teaching food science and technology * Includes more than 50 solved examples of spreadsheet use in food science and engineering * Presents a step-by-step introduction to spreadsheet use * Provides a food composition database on a computer disk

Health Literacy in Context- Settings, Media, and Populations - Don Nutbeam 2019-01-23

This book is a printed edition of the Special Issue "Health Literacy in Context—Settings, Media, and Populations" that was published in IJERPH

Fundamentals of Historical Geology and Stratigraphy of India - Dr. Ravindra Kumar 1985

The Principles of PETROLOGY - G.W. Tyrrell
2012-12-06

In this book the task of summarising modern petrology from the genetic standpoint has been attempted. The scale of the work is small as compared with the magnitude of its subject, but it is nevertheless believed that the field has been reasonably covered. In conformity with the genetic viewpoint petrology, as contrasted with petrography, has been emphasised throughout; and purely descriptive mineralogical and petrographical detail has been omitted. Every petrologist who reads this book will recognise the author's indebtedness to Dr. A. Harker and Dr. A. Holmes, among British workers; to Prof. R. A. Daly, Dr. H. S. Washington, and Dr. N. L. Bowen, among American petrologists; and to Prof. J. H. L. Vogt, Prof. V. M. Goldschmidt, Prof.

A. Lacroix, and Prof. P. Niggli. among European investigators. The emphasis laid on modern views, and the relative poverty of references to the works of the older generation of petrologists, does not imply any disrespect of the latter. It is due to recognition of the desirability of affording the petrological student a newer and wider range of reading references than is usually supplied in this class of work; for references tend to become stereotyped as well as text and illustrations. Furthermore it is believed that all that is good and living in the older work has been incorporated, consciously or unconsciously, in the newer.

Structural Geology - Marland Pratt Billings 1954

Uttar Pradesh - Subodh Nath Jha 2007

Geology for Civil Engineers - C. Gribble
2017-12-21

This seasoned textbook introduces geology for civil engineering students. It covers minerals and rocks, superficial deposits and the distribution of rocks at or below the surface. It then looks at groundwater and gives guidance on the exploration of a site before looking at the civil engineering implications of rocks and the main geological factors which affect typical engineering projects.

International Handbook of Health Literacy - Okan, Orkan 2019-07-31

Available Open Access under CC-BY-NC license. Health literacy addresses a range of social dimensions of health including knowledge, navigation, communication as well as individual and organizational skills for accessing, understanding, evaluating and using of information. Especially over the past decade, health literacy has become a major public health concern globally as an asset for promoting health, wellbeing and sustainable development. This comprehensive handbook provides an invaluable overview of current international thinking about health literacy, highlighting cutting edge research, policy and practice in the field. With a diverse team of contributors, the book addresses health literacy across the life-span and offers insights from different populations and settings. Providing a wide range of major findings, the book outlines current discourse in the field and examines necessary

future dialogues and new perspectives.

Textbook of Physical Geology - G. B. Mahapatra 2018-03-30

Hydrology and Water Resources of India - Sharad K. Jain 2007-05-16

India is endowed with varied topographical features, such as high mountains, extensive plateaus, and wide plains traversed by mighty rivers. Divided into four sections this book provides a comprehensive overview of water resources of India. A detailed treatment of all major river basins is provided. This is followed by a discussion on major uses of water in India. Finally, the closing chapters discuss views on water management policy for India.

A Textbook of Geology - G. B. Mahapatra
2017-03-30

Landscapes and Landforms of India - Vishwas S. Kale 2014-05-23

The proposed monograph on 'Geomorphological Landscapes of India' will aim to describe and explain in simple words the geomorphological characteristics and the origin of the above-mentioned landforms and landscapes. The proposed monograph will provide the background information about the geology, climate and tectonic framework of the Indian region, as well as cover Indian climates of the present and the past. It will mainly cover the four main morphotectonic regions of India and about 15-20 distinct landforms of the Indian region as well as the major geomorphosites in India.

Physical Geology - Steven Earle 2019

"Physical Geology is a comprehensive introductory text on the physical aspects of geology, including rocks and minerals, plate tectonics, earthquakes, volcanoes, glaciation, groundwater, streams, coasts, mass wasting, climate change, planetary geology and much more. It has a strong emphasis on examples from western Canada, especially British Columbia, and also includes a chapter devoted to the geological history of western Canada. The book is a collaboration of faculty from Earth Science departments at Universities and Colleges across British Columbia and elsewhere"--BCcampus website.

Quantitative Geophysics and Geology - Louis

Lliboutry 2000-04-26

This book is unique in bridging the gap between geology and geophysics. Its integrative approach presents students and researchers in these disciplines with other methodologies as they try to understand the Earth's processes. It runs the gamut of earth sciences, from earthquakes and seismic exploration to thermal convection and the orogenic processes. Each chapter starts with the well-established facts and then proceeds through a logical framework to the most conjectural questions, such as continental drift in Paleozoic and Precambrian times or mantle convection. Many of the issues discussed here do not yet have unanimously agreed solutions, but the extensive references point the reader to further possibilities.

Courses in Mining Geology - R. N. P. Arogyaswamy 2017-03-30

The Benefits of Plant Extracts for Human Health - Charalampos Proestos 2021-01-13

Nature has always been, and still is, a source of food and ingredients that are beneficial to human health. Nowadays, plant extracts are increasingly becoming important additives in the food industry due to their antimicrobial and antioxidant activities that delay the development of off-flavors and improve the shelf life and color stability of food products. Due to their natural origin, they are excellent candidates to replace synthetic compounds, which are generally considered to have toxicological and carcinogenic effects. The efficient extraction of these compounds from their natural sources and the determination of their activity in commercialized products have been great challenges for researchers and food chain contributors to develop products with positive effects on human health. The objective of this Special Issue is to highlight the existing evidence regarding the various potential benefits of the consumption of plant extracts and plant-extract-based products, with emphasis on in vivo works and epidemiological studies, the application of plant extracts to improving shelf life, the nutritional and health-related properties of foods, and the extraction techniques that can be used to obtain bioactive compounds from plant extracts.

Geology: A Complete Introduction: Teach

Yourself - David Rothery 2015-10-08

Written by David Rothery, who is Professor of Planetary Geosciences at the Open University, Geology: A Complete Introduction is designed to give you everything you need to succeed, all in one place. It covers the key areas that students are expected to be confident in, outlining the basics in clear English, and then providing added-value features like a glossary of the essential jargon terms, links to useful websites, and even examples of questions you might be asked in a seminar or exam. The book uses a structure chosen to cover the essentials of most school and university courses on Geology. Topics covered include the Earth's structure, earthquakes, plate tectonics, volcanoes, igneous intrusions, metamorphism, weathering, erosion, deposition, deformation, physical resources, past life and fossils, the history of the Earth, Solar System geology, and geological fieldwork. There are useful appendices of minerals, rock names and geological time.

Engineering Graphics for the First Year Student (GTU) - Prof. P. J. Shah

Engineering Graphics, in its 13th year, has been succinctly revised for the Engineering students of 1st year of Gujarat Technological University, Ahmedabad. Beginning with the units, dimensions and standard, this book discusses the measurement and measurement errors. Then, it goes on to discuss electronics equipment, measurements of low resistance and A.C. bridges. Moreover, the book deals with the cathode ray oscilloscopes. Further, it describes various instrument calibration. Finally, the book deals with recorders and plotters.

Rajasthan Geography - Shaurya Singh Rathore 2018-01-17

The Geography of Rajasthan PDF is an attempt to provide chapter-wise information on various topics that form part of RAS Examination Geography Syllabus. The PDF contains 19 chapters covering across dimension of Geography, most of the information is available on the website of RajRAS in geography section. The idea behind PDF is to consolidate the information related Geography of Rajasthan in single document. The Geography of Rajasthan PDF is not merely notes made out of standard books, rather, most of the information has been sourced from Newspapers, Rajasthan

Government sites, and other current affairs sources. Few of the static Geography chapters have been prepared from standard Books. Table of Contents: Physical Divisions of Rajasthan Geology of Rajasthan Earthquake Hazard in Rajasthan Climate of Rajasthan Water Resources of Rajasthan Water Resource Management Rivers of Rajasthan Important Lakes in Rajasthan Important Dams of Rajasthan Irrigation in Rajasthan Indira Gandhi Canal Eastern Rajasthan Canal Project: ERCP Medium Scale Irrigation Projects Soils of Rajasthan Conservation of Soils of Rajasthan Agro-climatic Zones of Rajasthan Land Use pattern of Rajasthan Natural Vegetation-Forests of Rajasthan Wildlife of Rajasthan Wildlife Protected Areas of Rajasthan Livestock of Rajasthan Tribes of Rajasthan Hydrocarbon Rajasthan Basin Mines & Minerals of Rajasthan Agriculture Snapshot of Rajasthan

The Indian Rivers - Dhruv Sen Singh

2017-12-30

The book presents geomorphological studies of the major river basins - the Indus, Ganga and

Brahmaputra and their tributaries. Besides major basins, the book explores peninsular rivers and other rivers state-by-state. All types of rivers, i.e. snow-fed, rain-fed and groundwater-fed rivers are explained together in geological framework. Rivers are lifeline and understanding of the rivers, their dynamics, science and socio-economic aspect is very important. However, different sources provide different data base for rivers. But a book which explains all major rivers of a country at a single place was not yet available. This book is the first book of its kind in the world which provides expert opinion on all major rivers of a country like India. This book complements works in these areas for the last two to three decades on major rivers of India by eminent professors and scientists from different universities, IITs and Indian research institutions. The information presented in the book would appeal to a wider readership from students, teachers to researchers and planners engaged in developmental work and also to common people of the society concerned with awareness about rivers.