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### KAUFMAN QUENTIN

*Handbook of Gas Sensor Materials* CBS Publishers & Distributors Pvt Limited, India

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.

**Advances in Applied Mechanical Engineering** John Wiley & Sons

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 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](http://www.wiley.com/go/pohl/geology). The author's website can be found at: <http://www.walter-pohl.com>.

**Principles of Engineering Geology and Geotechnics** John Wiley and Sons

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. *The Marketisation of Higher Education and the Student as Consumer* Springer  
Minerals and rocks form the foundation of geologic studies. This new textbook has been written to address the needs of students at the increasing number of universities that have compressed separate mineralogy and petrology courses into a one- or two-semester Earth materials course. Key features of this book include: equal coverage of mineralogy, sedimentary petrology, igneous petrology and metamorphic petrology; copious field examples and regional relationships with graphics that illustrate the concepts discussed; numerous case studies to show the uses of earth materials as resources and their fundamental role in our lives and the global economy, and their relation to natural and human-induced hazards; the integration of earth materials into a cohesive process-based earth systems framework; two color throughout with 48 pages of four color. Readership: students taking an earth materials, or combined mineralogy and petrology course in an earth science degree program. It will also be useful for environmental scientists, engineering geologists, and physical geographers who need to learn about minerals, rocks, soil and water in a comprehensive framework. A companion website for this book is available at: [www.wiley.com/go/hefferan/earthmaterials](http://www.wiley.com/go/hefferan/earthmaterials).

*The Principles of PETROLOGY* Springer

This book is a welcome introduction and reference for users and innovators in geochronology. It provides modern perspectives on the current state-of-the art in most of the principal areas of geochronology and thermochronology, while recognizing that they are changing at a fast pace. It emphasizes fundamentals and systematics, historical perspective, analytical methods, data interpretation, and some applications chosen from the literature. This book complements existing coverage by expanding on those parts of isotope geochemistry that are concerned with dates and rates and insights into Earth and planetary science that come from temporal perspectives. Geochronology and Thermochronology offers chapters covering: Foundations of Radioisotopic Dating; Analytical Methods; Interpretational Approaches: Making Sense of Data; Diffusion and Thermochronologic Interpretations; Rb-Sr, Sm-Nd, Lu-Hf; Re-Os and Pt-Os; U-Th-Pb Geochronology and Thermochronology; The K-Ar and 40Ar/39Ar Systems; Radiation-damage Methods of Geo- and Thermochronology; The (U-Th)/He System; Uranium-series Geochronology; Cosmogenic Nuclides; and Extinct Radionuclide Chronology. Offers a foundation for understanding each of the methods and for illuminating directions that will be important in the near future Presents the fundamentals, perspectives, and opportunities in modern geochronology in a way that inspires further innovation, creative technique development, and applications Provides references to rapidly evolving topics that will enable readers to pursue future developments Geochronology and Thermochronology is designed for graduate and upper-level undergraduate students with a solid background in mathematics, geochemistry, and geology. "Geochronology and Thermochronology is an excellent textbook that delivers on the difficult balance between having an appropriate level of detail to be useful for an upper undergraduate to graduate-level class or research reference text without being too esoteric for a more general audience, with content and descriptions that are understandable and enlightening to the non-specialist. I would recommend this textbook for anyone interested in the history, principles, and mechanics of geochronology and thermochronology." --American Mineralogist, 2021 Read an interview with the editors to find out more: <https://eos.org/editors-vox/the-science-of-dates-and-rates>

*Principles of Igneous and Metamorphic Petrology* Routledge

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.

*Textbook of Physical Geology* Springer Science & Business Media

This book presents select peer reviewed proceedings of the International Conference on Applied Mechanical Engineering Research (ICAMER 2019). The book examines various areas of mechanical engineering namely design, thermal, materials, manufacturing and industrial engineering covering topics like FEA, optimization, vibrations, condition monitoring, tribology, CFD, IC engines, turbo-machines, automobiles, manufacturing processes, machining, CAM, additive manufacturing, modelling and simulation of manufacturing processing, optimization of manufacturing processing, supply chain management, and operations management. In addition, recent studies on composite materials, materials characterization, fracture and fatigue, advanced materials, energy storage, green building, phase change materials and structural change monitoring are also covered. Given the contents, this book will be useful for students, researchers and professionals working in mechanical engineering and allied fields.

*The Literature Review* CRC Press

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.

*The Suma oriental of Tome Pires, books 1-5* Elsevier

This book presents the proceedings of the First National Conference on "Sustainable Management of Environment & Natural Resource through Innovation in Science and Technology" (SMTST2020). The book highlights the latest development and innovations in the fields of sustainability, natural resource management, ecology and its environmental fields, geosciences and geology, atmospheric sciences, sustainability, climate change, and extreme weather, global warming, and global change, the effect of climate change on the ecosystem, environment, and pollution, as well as putting a strong emphasis on the multidisciplinary studies.

*Principles of Engineering Geology* Springer Science & Business Media

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.

**Soil Pollution - An Emerging Threat to Agriculture** Springer Science & Business Media

Available Open Access under CC-BY-NC licence. Health literacy addresses a range of social dimensions of health, including knowledge, navigation and communication, as well as individual and organizational skills for accessing, understanding, evaluating and using information. Particularly over the past decade, health literacy has globally become a major public health concern 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.

**Uttar Pradesh** Ramesh Publishing House

A textbook providing a quantitative approach to the petrologic principles of igneous and metamorphic rocks in a new edition.

*Fundamentals of Historical Geology and Stratigraphy of India* Springer

This Memoir provides a comprehensive review of the Precambrian basins of the four Archaean nuclei of India (Dharwar, Bastar, Singhbhum and Aravalli-Bundelkhand), encompassing descriptions of the time-space distribution of sedimentary-volcanic successions, the interrelationship between tectonics and sedimentation, and basin histories. Studies of 22 basins within the framework of an international basin classification scheme deepen an understanding of the basin architecture especially for cratonic basins. Most Indian sedimentary successions formed as cratonic to extensional-margin rift and thermal-sag basins, some reflecting mantle plume movement, subcrustal heating or far-field stress. This Memoir shows that Phanerozoic plate-tectonic and sequence stratigraphic principles can be applied to the Precambrian basins of large Archaean provinces. The differences between the stratigraphic architecture of the Indian Precambrian and examples of Phanerozoic basin-fill successions elsewhere are ascribed to variable rates and intensities of the controls on accommodation and sediment supply, and changes inherent in the evolution of the hydrosphere-atmosphere and biosphere systems.

*Earth Materials* Springer Science & Business Media

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** Guelph, Ont. : Department of Land Resource Science, University of Guelph

A must have reference for any engineer involved with foundations, piers, and retaining walls, this remarkably comprehensive volume illustrates soil characteristic concepts with examples that detail a wealth of practical considerations. It covers the latest developments in the design of drilled pier foundations and mechanically stabilized earth retaining wall and explores a pioneering approach for predicting the nonlinear behavior of laterally loaded long vertical and batter piles. As complete and authoritative as any volume on the subject, it discusses soil formation, index properties, and classification; soil permeability, seepage, and the effect of water on stress conditions; stresses due to surface loads; soil compressibility and consolidation; and shear strength characteristics of soils. While this book is a valuable teaching text for advanced students, it is one that the practicing engineer will continually be taking off the shelf long after school lets out. Just the quick reference it affords to a huge range of tests and the appendices filled with essential data, makes it an essential

addition to an civil engineering library.

**Geology for Civil Engineers** CRC Press

This book, *Organic Fertilizers - From Basic Concepts to Applied Outcomes*, is intended to provide an overview of emerging researchable issues related to the use of organic fertilizers that highlight recent research activities in applied organic fertilizers toward a sustainable agriculture and environment. We aimed to compile information from a diversity of sources into a single volume to give some real examples extending the concepts in organic fertilizers that may stimulate new research ideas and trends in the relevant fields.

*Hydrology and Water Resources of India* SAGE

This book presents in a concise format a simplified and coherent geological-dynamical history of the Indian subcontinent (including Sri Lanka, Bangladesh, Myanmar, Southern Tibet and Pakistan).

Encompassing a broad array of information related to structure and tectonics, stratigraphy and palaeontology, sedimentation and palaeogeography, petrology and geochemistry, geomorphology and geophysics, it explores the geodynamic developments that took place from the beginning around 3.4 billion years ago to the last about 5,000 years before present. Presented in a distilled form, the observations and deductions of practitioners, this book is meant for teachers, researchers and students of geology, geophysics and geomorphology and practitioners of earth sciences. A comprehensive list of references to original works provides guidance for those seeking further details and who wish to examine selected problems in depth. The book is illustrated with a wealth of maps, cross sections and block diagrams — all simplified and redesigned.

*Geochronology and Thermochemistry* New York ; Toronto : McGraw-Hill

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.

**IIT-JAM** Bloomsbury Publishing

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.

*International Handbook of Health Literacy* Springer Nature

Mediterranean irrigation is diverse due to, among other factors, the relative importance of water in the economy of each country, varied levels of aridity, heterogeneous levels economic, social and technological levels of development, and differences in political and social organization. However, most of the Mediterranean countries face similar problems to meet their water demands because of the scarcity and variability of renewable resources, growing water requirements from non-agricultural sectors, increasing environmental concerns related to water quality and environmental degradation, a social demand for larger public participation, and important technological changes. The time has come to reconsider the "not one drop lost to the sea" philosophy of yesteryears largely and to 'live within limits'. This book focuses on eight selected countries (Tunisia, Morocco, Spain, France, Italy, Turkey, Israel and Egypt) and provides a comparative perspective that both thoroughly explores their specificities and identifies the common challenges faced by the irrigation sector in these countries. The book has been written at a critical moment, when the continued application of a supply-side water management model is revealing its unsustainable nature in numerous places; when significant technological changes are taking place in the irrigation sector; when new forms of management and governance are widely held as badly needed; and finally, when climate change is compounding many of the difficulties that have characterized irrigation policies and practices in the past decades. This complicated future context makes Mediterranean irrigation face various political dilemmas on water management, raising social tensions, triggering territorial and land conflicts, and stimulating new technological developments. This book provides a timely analysis of the particular trajectory of eight Mediterranean countries in these uncertain transformations, and attempts to identify the best strategies to avert or overcome future risks.