The book explores the basic principles, concepts and applications of geochemistry.

Geochemistry is a field of study that uses the tools and principles of chemistry to explain the mechanisms in geologic environments, and often focuses on determining processes that control the abundance and composition of minerals and their distribution in the earth's crust. Geochemistry also plays a vital role in environmental soil and water systems in identifying and modulating environmental problems, and in studying the composition, structure and processes of the earth. Therefore, this book helps in understanding the chemical composition of the earth and its applications. It explores the basic principles, concepts and applications of geochemistry and discusses its beneficial effects, bottlenecks, solutions, and future directions. In addition to case studies, topics such as chemical weathering, impacts on living beings and water, geochemical cycles, oxidation and redox reactions in geochemistry, isotopes, analytical techniques, medicinal, inorganic, marine, atmospheric, and environmental applications are presented.

Audience

This book will be very helpful for geochemists, environmental scientists, chemists, engineers, R&D professionals, as well as graduate students who are working in earth sciences, environmental chemistry and industrial technologies.

Inamuddin PhD is an assistant professor at King Abdulaziz University, Jeddah, Saudi Arabia and is also an assistant professor in the Department of Applied Chemistry, Aligarh Muslim University, Aligarh, India. He has extensive research experience in multidisciplinary fields of analytical chemistry, materials chemistry, electrochemistry, renewable energy and environmental science. He has published about 150 research articles in various international scientific journals, 18 book chapters, and edited 60 books with multiple well-known publishers.

Mohd Imran Ahamed PhD is in the Department of Chemistry, Aligarh Muslim University, Aligarh, India. He has published several research and review articles in SCI journals. His research focuses on ion-exchange chromatography, wastewater treatment and analysis, actuators and electrospinning.

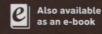
Rajender Boddula PhD is currently working for the Chinese Academy of Sciences President's International Fellowship Initiative (CAS-PIFI) at the National Center for Nanoscience and Technology (NCNST, Beijing). His academic honors include multiple fellowships and scholarships, and he has published many scientific articles in international peer-reviewed journals, edited books with numerous publishers and has authored 20 book chapters.

Tariq Altalhi is Head of the Department of Chemistry and Vice Dean of Science College at Taif University, Saudi Arabia. He received his PhD from the University of Adelaide, Australia in 2014. His research interests include developing advanced chemistry-based solutions for solid and liquid municipal waste management, converting plastic bags to carbon nanotubes, and fly ash to efficient adsorbent material.

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