Special Issue

Understanding Geochemical Processes Using Rare Earth Element Content of Natural and Anthropogenic Materials

Message from the Guest Editors

There is a long history of using rare earth element (REE) concentrations in pure geochemistry and deep earth processes, i.e., magma chamber evolution. However, there has been less focus on either natural surficial processes such as weathering, sediment transport etc. or human/anthropogenic activities as diverse as farming or industrial contamination. The importance of REE movement through the environment will increase with their use for turbine magnets in the green electric economy. The aim of this Special Issue is to encourage the wider use and reporting of REE as tracers of these geochemical processes in the surface environment. Thus, building a community of geochemists, soil and materials scientists, contamination specialists and archaeologists.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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