

Special Issue

Mineralogy and Geochemistry of Sediments

Message from the Guest Editors

The environment around us is shaped by surface water through diverse processes. One of the resulting by-products, i.e., sediments, encapsulates information spanning recent and ancient pasts. Certainly, our understanding of climate shifts, human behavior, and ecosystem evolution is significantly enriched by signatures held within sedimentary archives. We can extract information that helps us to understand the environment around us, whether on land or in water bodies, as well as explain lithogenic and anthropogenic processes, some of which we utilize to overcome difficulties, address challenges, and move towards a sustainable environment. The evolution of landscapes, industrialization, urbanization, and other anthropogenic activities can be marked through chemical, mineral, and organic fingerprints in sediments. These kinds of signatures can be revealed by looking into sediment mineralogy and geochemistry (inorganic and organic) using various tools. The main aim of this Special Issue, “Mineralogy and Geochemistry of Sediments”, is to further our understanding of the natural and anthropogenic processes that occur in sediments at various scales

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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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