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Environment and Geochemistry of Sediments

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Deadline for manuscript submissions:
closed (15 July 2022)

Message from the Guest Editors

Dear Colleagues,

The geochemical characteristics of environments can be developed from geochemical studies of sedimentary rocks. Different geochemical indicators can be used for paleoenvironmental reconstruction of processes of sedimentation. Trace and major elements in sedimentary rocks are extremely sensitive to paleoenvironmental changes, making them informative for studying the paleoclimate, paleoenvironment, as well as ancient and modern anthropogenic activity. The distribution of pollutants in sediments is important for modern geoecological processes. Isotopic research of sediments is essential for paleoreconstructions, geochronology, and ecology. We also welcome contributions that address the application of different analytic methods for the study of geochemistry and mineralogy of sediment processes.

For this Special Issue, we invite authors to submit papers on topics related to geochemistry, mineralogy, and geochronology of natural and anthropogenic sediments and environmental conditions of their formation.

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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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