

Special Issue

Environment and Geochemistry of Sediments, 2nd Edition

Message from the Guest Editors

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

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Deadline for manuscript submissions

closed (30 November 2024)



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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).