

## Special Issue

# Surface Chemistry of Minerals

### Message from the Guest Editors

Mineral surface reactivity controls a range of natural and engineered processes, including mineral weathering, contaminants mobilization, and groundwater chemistry. This surface reactivity is important in a variety of scenarios, such as nuclear energy/storage (e.g., material performance under extreme conditions), environmental (bioavailability, contaminant, and nutrient), and for nuclear forensic purposes (corrosion). To understand and predict the material behavior, it is important to understand the surface chemistry of these materials. For this Special Issue, we invite studies that investigate mineral surface chemistry on a variety of length scales using a range of theoretical and experimental methods. We particularly encourage studies that use a combination of atomistic and molecular scale techniques that employ, among others, X-ray and/or neutron particle analysis tools, studying both natural and/or technical systems.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2024)



## Minerals

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Impact Factor 2.2  
CiteScore 4.4



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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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### Editor-in-Chief

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#### High Visibility:

indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).