

Special Issue

Microorganisms–Minerals Interactions in Aquatic Environments

Message from the Guest Editor

Microorganisms have impacted the Earth and our environment in a number of ways. They have modified the compositions of water through rock weathering, they have changed the content of metals, and they have designed the world by precipitating ore deposits. Microorganisms are actively forming minerals that are both intra- and extracellular; at the same time, they are also dissolving minerals. Some cells are even incorporating themselves and/or are fossilized within rocks and, therefore, are leaving bio-signatures behind.

For the contributions in this special issue, we invite laboratory and field studies on microorganisms–minerals interactions in freshwater and saline ecosystems. We welcome both fundamental and applied studies and aim to devote this issue to the diversity of microorganisms and minerals, which have been involved in the Bio-Geo-Interactions on our Planet.

Guest Editor

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Deadline for manuscript submissions

closed (1 February 2020)



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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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Prof. Dr. Leonid Dubrovinsky

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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).