

Special Issue

Microorganisms and Minerals in Natural and Engineered Environments

Message from the Guest Editors

This Special Issue focuses on minerals and microorganisms from natural and engineered systems, such as acidic hot springs and soils, volcanic areas, mineral deposits, mining sites, and acid mine drainage. We invite you to share your recent studies on mineral processes and microorganisms involved in them, as well as microbe–mineral interactions. We also welcome contributions reporting on microbial diversity, metabolism, resistance, and stress response, which are of interest for basic and applied science, including, but not limited to, biohydrometallurgy, applied microbiology, and mineral chemistry. Studies of (bio)leaching and (bio)oxidation of sulfidic minerals are especially encouraged.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2022)



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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.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

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High Visibility:

indexed within Scopus, SCIE (Web of Science), GEOBASE, 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 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).