Special Issue

Biohydrometallurgy for Metal Recovery

Message from the Guest Editors

The present Special Issue of *Minerals* would like to focus on most recent advances in the field of biohydrometallurgical methods for the efficient recovery of metal resources with special reference to scale-up processes leading to commercialization. The Special Issue would like to highlight advanced technological upgradation in said field which opens new avenues for development. This Special Issue will cover a broad range of relevant subtopics:

- Biohydrometallurgical mineral processing for the recovery of metal resources from low grade mineral deposits.
- Biohydrometallurgical mineral processing for the extraction of PGE from oxidised platinum-group-containing mineral deposits.
- Commercial feasibility of biohydrometallurgical processes.
- Biohydrometallurgical extraction of metals from electronic waste.
- Biological desulfurization of coal.
- Biological reduction of oxidized minerals.
- Fungal bioleaching of minerals as an alternative to bacterial leaching.

Guest Editors

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Deadline for manuscript submissions

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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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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).

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