



Eco-Sustainable Treatment for Mine Waters

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closed (27 September 2024)

Message from the Guest Editors

Dear Colleagues,

Resolving the impacts of mining on water quality remains a challenge. Contamination of water can result from different interrelated factors, such as geological background, climate, geochemistry, biochemistry, commodity, mine type, and processing method. Many water treatment technologies have been developed.

This Special Issue seeks to gather the best available knowledge for the eco-sustainable treatment of mine water. We encourage submission of papers describing innovative approaches over the whole mine life cycle, from exploration to closure, and proposing paradigm shifts in the way we can simultaneously address the twin challenges of (1) decontaminating mine water at scale, so that it can be converted into a resource and made available as supply suitable for a range of societal uses, and (2) selectively extracting and recovering metals and other valuable materials through the treatment process in forms that can be used for the delivery of further value.





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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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