

Special Issue

Towards a Sustainable Management of Mine Wastes: Reprocessing, Reuse, Revalorization and Repository, Volume II

Message from the Guest Editors

This Special Issue will include a state-of-the-art papers based on works around recent management techniques of mine wastes and replacing raw material resources by secondary resources. Insights related to industrial and mine waste characterization, landfilling, underground backfilling, reprocessing of secondary metal recovery or environmental purposes, valorization in various sectors, etc., are some examples of themes to be included in this Special Issue. Scientists, industry, and governance stakeholders have to face these new challenges to find the future best management practices.

- Problems around industrial and mine wastes;
- Fine characterization of industrial and mine wastes;
- Latest available technical and environmental solutions to efficiently manage both types of wastes; treatment and processing before disposal;
- High value elements recovery from industrial and mining wastes; towards defining effective, low cost and ecofriendly methods;
- Recycling of industrial and mining wastes as alternative resources in different sectors;
- Development minerals;
- Laboratory, pilot and/or industrial scale studies related to these topics;
- Circular economy and life cycle assessment.

Guest Editors

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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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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).