

Special Issue

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

Message from the Guest Editors

The need for efficient and sustainable management methods of industrial and mining inorganic wastes is continuously growing all around the world. These wastes often present serious management problems due to their more or less important amounts and possible environmental threats. This Special Issue will include state of the art papers based on works around industrial and mining wastes new trend management techniques. Currently, it is a must to sustainably manage industrial wastes, considering the alternative of creating the maximum of symbiosis 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.

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).