Special Issue

Mining and Mineral Exploration Geophysics

Message from the Guest Editors

Emerging developments in the field of near surface geophysics are increasingly benefiting a wide range of mining and mineral exploration activities. Geophysical methods provide a means of spatially characterizing and monitoring the subsurface, which is particularly valuable in settings with complex ground conditions where intrusive methods alone can be inadequate. This Special Issue aims to highlight novel geophysical techniques, modelling approaches, and applications to address mining related issues—including mineral exploration, mine planning, tailings and mine waste characterisation and monitoring, slope stability assessment and groundwater management. We welcome studies relating to all geophysical techniques, including airborne, ground-based and borehole methods.

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.

Editor-in-Chief

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indexed within Scopus, SCIE (Web of Science), 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 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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