



Mining and Mineral Exploration Geophysics

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Message from the Guest Editors

Dear Colleagues,

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.

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Editor-in-Chief

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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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