

Special Issue

Geophysics for Mineral Exploration

Message from the Guest Editor

Exploration geophysics plays a major role in unlocking mineral reserves. It is well recognized that many easily-discovered large mineral deposits with a strong geophysical signature have been already identified. Future discoveries present significant challenges being located undercover, in remote areas, with less prominent geophysical signals. The modern-day challenges of exploration require developing novel geophysical techniques, which improve exploration success and lead to new discoveries. This Special Issue invites papers which focus on emerging geophysical techniques for mineral exploration, novel interpretation methods, including joint inversion of multiphysics data, and challenging case studies.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2020)



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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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Prof. Dr. Leonid Dubrovinsky

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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).