

Special Issue

Applications of Gravity and Magnetism to Mineral Exploration

Message from the Guest Editor

Potential field data are widely used in the search for new mineral deposits. A large number of semiautomatic interpretation techniques are used to provide initial estimates of source parameters, such as the location, depth, dip, susceptibility, etc. These initial estimates are then refined by forward and inverse modeling. As well as including case histories, this Special Issue will look at new developments of techniques in all of these areas of research.

Guest Editor

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Deadline for manuscript submissions

closed (10 March 2023)



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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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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).