

Special Issue

Development of New Geochemical Exploration Methods for Critical Metals Deposits

Message from the Guest Editors

As ore deposits located near the surface have been more or less all extracted, new exploration methods should help for the discovery of new economic targets located deeper in the crust or under allochthonous cover. This Special Issue aims to gather original contributions presenting new developments, or case studies, in geochemical exploration based on mineral, soil, till, sediment, water, snow, gas or plant geochemistry. Articles on the topic of geochemical data handling and statistical analyses are also greatly appreciated.

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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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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).