

## Special Issue

# Development of Geoelectrical and Electromagnetic Methods in Mineral Exploration

### Message from the Guest Editors

The goal of mineral exploration is the discovery of new deposits of economic value with the purpose of extracting them to feed the needs of industry. In the last several decades, a great deal of progress has been made in the development and use of geoelectrical and electromagnetic geophysical methods in mineral exploration—especially regarding the exploration of targets located the first kilometer below the ground surface. This Special Issue targets contributions from laboratory to field measurements, numerical forward and inverse modeling, as well as petrophysical models able to connect the properties of minerals to the geophysical properties of interest. Our goal is to provide an updated view of the state-of-the-art in terms of geoelectrical and electromagnetic methods applied to mineral exploration. This Special Issue is also open to a variety of methods, including magneto-resistivity, magneto-induced polarization as well as seismoelectric and electroseismic effects, just to cite a few.

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### Guest Editors

Dr. André Revil

Université Grenoble Alpes, Université Savoie Mont-Blanc, CNRS, UMR CNRS 5204, EDYTEM, 73370 Le Bourget du Lac, France

Dr. Damien Jougnot

Sorbonne Université, CNRS, EPHE, METIS, F-75005 Paris, France

Dr. Jacques Deparis

BRGM, 45060 Orléans, France

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### Deadline for manuscript submissions

closed (22 December 2023)



## Minerals

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*Minerals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[minerals@mdpi.com](mailto:minerals@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth,  
Germany

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indexed within Scopus, SCIE (Web of Science), GEOBASE, 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 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).