Special Issue

Modeling and Inversion of Gravity, Magnetic and Electromagnetic Related to Mineral Deposits

Message from the Guest Editors

This Special Issue welcomes papers related to all aspects of mineral resources, including geological, geophysical, geochemical, borehole, ground, and airborne methods and satellite imagery. Contributions regarding historical, technical, and practical aspects of exploration for mineral deposits are invited. Papers should either focus on a novel methodology of mineral exploration or present case studies where established or innovative techniques were successfully used. In addition, contributions are welcome providing novel insight into the foundations of geological, geophysical, and geochemical methods. The publications can be dedicated to field procedures and analytical techniques of geochemical exploration methods. Novel methods of gravity, magnetic, electromagnetic, radiometric, and seismic prospecting and their integration, including mathematical aspects of data processing and interpretation, as well as studies concerning remote sensing, production, and geographic information systems in mineral exploration, are welcome. The submission of papers on rock sample studies, survey design, data processing, and applications for mineral exploration are also encouraged.

Guest Editors

Dr. Le Wan

Prof. Dr. Liangjun Yan

Prof. Dr. Michael S. Zhdanov

Deadline for manuscript submissions

closed (23 August 2024)

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/136403

Minerals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
minerals@mdpi.com

mdpi.com/journal/minerals

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/journal/minerals

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.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth, Germany

Author Benefits

High Visibility:

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

MDPI