# Special Issue

# Seismics in Mineral Exploration

### Message from the Guest Editors

The main problem encountered by mineral seismic exploration is accurately imaging concealed rock mass, faults and ore bodies with limited investment. Therefore, how to decrease the seismic acquisition cost is the most important point of concern. Promoted by rapid development of modern information science and technology, artificial intelligence, multi-component seismometers or nodes, and remote sensing techniques are widely applied in exploration seismology. However, mineral seismic is not a simple duplication of oil and gas seismics or engineering seismics. In recent years, much progress involving compressive sensing, multi-component seismics, active and passive source techniques, joint geophysical inversion and field cases has been achieved. For this Special Issue, submitted papers should be focused on a feasible, cost-effective seismic solution for mineral exploration to further improve the seismic precision, resolution and reliability.

### Guest Editors

Prof. Dr. Yun Wang

Dr. Shoudong Huo

Prof. Dr. Guofeng Liu

Prof. Dr. Zhengyong Ren

### Deadline for manuscript submissions

closed (31 December 2024)

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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.

## Editor-in-Chief

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JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

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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).

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