

## Special Issue

# Geological, Structural, Geochemical, Hyperspectral, and Geostatistical Modeling for Mineral Exploration

### Message from the Guest Editors

This Special Issue aims to present research that focuses on the exploration of ores in diverse geological settings, such as shear zone mineralization, sediment-hosted stratiform deposits, placer deposits, and hydrothermal settings, through the detailed investigation, characterization, and geospatial mapping and modeling of ore deposits. Submissions pertaining to mineralogy, petrography, alteration geochemistry, structural controls, geochemical and biogeochemical signatures, and genesis-related submissions are highly encouraged. Moreover, preference is given to studies that highlight field and laboratory research, spectral signatures and mineral detection, characterization and classification, and multi-spectral and hyperspectral remote sensing. Studies on the application of machine learning and artificial intelligence to the study of ore deposits are welcome, as is research into 3D/4D orebody modeling and mineral resource estimation for specific industrial metals and nonmetals, rare earth minerals (REEs), and nanomaterials.

### Guest Editors

Dr. Anup Krishna Prasad

Department of Applied Geology, Indian Institute of Technology, Indian School of Mines, Dhanbad 826004, India

Dr. Bhabesh Chandra Sarkar

Department of Applied Geology, Indian Institute of Technology, Indian School of Mines, Dhanbad 826004, India

### Deadline for manuscript submissions

closed (31 January 2024)



## 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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### 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).