

## Special Issue

# Application of Big Data Mining, Machine Learning and Artificial Intelligence in Ore Deposits

### Message from the Guest Editors

With the advent of the era of big data AI, scientific research has moved into the fourth research paradigm: data-intensive science. Big data and machine learning have brought the study of ore deposits onto the artificial intelligence research stage. Big data mining, machine learning and artificial intelligence algorithms and models have been applied to study multi-scale and multi-type ore deposit observation and exploration. The goal of this Special Issue is to highlight recent progress in the research and applications of big data and machine learning in the fields of ore deposit exploration.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2023)



## Minerals

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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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