

## Special Issue

# Novel Advanced Machine Learning Methods in Mineral Processing

### Message from the Guest Editors

In mineral processing, there are several linear and nonlinear relationships between material properties and process and design parameters. These correlations can be assessed based on various experimental and numerical methods. Over the last three decades, different intelligent computing and statistical methods, such as genetic algorithms, artificial neural networks, various types of multivariable regression, and tree-based systems, have been introduced in order to describe the complex and sometimes nonlinear relationships. This has resulted in the generation of various intelligent models for the prediction of process responses, i.e., recovery, grade, and comminution or separation efficiency. This special issue will explore the application of “novel advanced machine learning methods in mineral processing”.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 September 2020)



## 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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### Editor-in-Chief

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

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