Special Issue

Advances in Application of Spectroscopic Techniques for Minerals Processing

Message from the Guest Editor

This **Special Issue** aims to publish recent research regarding advances in the spectroscopic analysis tools applied under mineral processing conditions. This includes mineral surface and bulk characterization, electrochemistry, instrument development, inline processing, sensors, statistical analysis tools and sample handling methods. **The keywords are:** Surface spectroscopy
X-ray microscopy
In situ analysis
Mineralogy
Comminution
Liberation
Physical Separation (gravity, electrostatic, magnetic)
Flotation (cells, bubble, surface chemistry, bioflotation)
Leaching (bioleaching)
Modelling and process simulation

Guest Editor

Prof. Dr. Sarah Harmer-Bassell
Flinders University

Deadline for manuscript submissions

closed (1 February 2020)

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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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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).

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