Special Issue

Comminution and Comminution Circuits Optimisation: 3rd Edition

Message from the Guest Editors

We aim to publish a Special Issue that presents a set of themed articles on “Comminution and Comminution Circuits Optimisation”. Our Special Issue will cover a broad range of relevant topics, such as:

- The effects of mill or crusher operational parameters (mill speed, feed rate, slurry filling, liner configuration, residence time, ball filling, and ball size distribution), and an exit classification toward an optimised circuit;
- The application of mathematical modelling for comminution equipment and for circuit optimisation;
- Optimisation based on product size distribution and liberation;
- The use of DEM, CFD, and other numerical methods to optimise equipment and milling circuits;
- Ore testing and material characterisation;
- Ore testing and scale-up;
- Ore sampling and circuit optimisation;
- Development of new comminution equipment.

Guest Editors

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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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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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