

Special Issue

Comminution and Comminution Circuits Optimisation

Message from the Guest Editors

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

- Effects of mill or crusher operational parameters (mill speed, feed rate, slurry filling, liner configuration, residence time, ball filling, ball size distribution), exit classification towards an optimised circuit;
- Application of mathematical modelling to comminution equipment and to 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

Dr. Ngonidzashe Chimwani

Institute for the Development of Energy for African Sustainability,
University of South Africa, Pretoria 0003, South Africa

Dr. Murray M. Bwalya

School of Chemical and Metallurgical Engineering, University of the
Witwatersrand, Johannesburg, Private Bag 3, Wits 2050, South Africa

Deadline for manuscript submissions

closed (31 May 2022)



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Impact Factor 2.2
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Minerals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth,
Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), GEOBASE, 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 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).