Special Issue

Advanced Techniques and Efficiency Assessment of Mechanical Processing

Message from the Guest Editors

We all know that mechanical processing is an important part of ore processing and the production value chain and plays a significant role in mineral aggregate production. The proper selection of technological circuits for individual raw material also results in achieving more favorable effects in downstream beneficiation processes, and it can save energy and decrease the environmental footprint of the processing industry in terms of lower levels of dust, noise, heat, and vibrations. This Special Issue of *Minerals* is considered to cover up-to-date solutions within mechanical processing of raw materials. Therefore, the Editors especially welcome papers contributing:

- New technologies and devices application into comminution and classification circuits;
- Original approaches aiming at improvement of crushing products quality and recovery;
- Reduction of useful mineral lost during mechanical processing;
- Innovative methods of broken aggregate production;
- Decrease of the negative impact of mechanical processing operations on the environment and society, especially in terms of dust and noise emissions;
- Modeling and assessment of comminution/screening results.

Guest Editors

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Dr. Tomasz Niedoba

Deadline for manuscript submissions

closed (17 September 2021)

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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

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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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