Special Issue

Comminution in the Minerals Industry

Message from the Guest Editor

Size reduction processes, which encompass crushing and grinding, represent a significant part of the capital as well as of the operational cost in ore processing. Improving and further understanding such processes is worthwhile, since any measurable improvement may lead to benefits to the process, be they a reduction in energy consumption, wear, or improved performance in downstream processes. Contributions dealing with the various aspects of comminution are encouraged, including understanding of ore breakage, modeling, simulation, control, plant practice, novel comminution and ore pretreatment technologies, as well as downstream implications of comminution processes.

Guest Editor

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Deadline for manuscript submissions

closed (1 August 2020)

Minerals

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Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/28959

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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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Journal Rank:

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

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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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