Special Issue

Process Mineralogy, Plant Practice and Developments in Mineral Processing, 2nd Edition

Message from the Guest Editors

This Special Issue aims to gather contributions from those who have developed sound solutions for problems posed by the industry, making use of practical approaches such as process mineralogy, enhanced sampling, data analysis and modelling, and mine-to-mill integrated solutions, as well as improvements in plant performance via new reagents, equipment, instrumentation, and/or control. The approach to many specific problems in mineral processing commonly starts in the laboratory and is primarily governed by fundamental physical and chemical laws whose effect is reasonably predicted when applied to relatively pure minerals studied under ideal conditions. Although such an approach has promoted considerable progress in our understanding of mechanisms and even provoked insights which may have led to innovations, a strong empiricism supports mineral processing conducted on an industrial scale.

Guest Editors

Prof. Dr. Homero Delboni Júnior

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Dr. Rodrigo Magalhães de Carvalho

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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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