Special Issue

Mineral Processing Technologies of Low-Grade Ores

Message from the Guest Editors

The decrease in the exploitation of mineral grades around the world requires increasingly intensive mineral processing techniques. Therefore, the development of new technologies, processes, and equipment is necessary to achieve a sufficient level of metal content in concentrates, as well as reasonable mass recoveries, for their proper use. This Special Issue aims to bring together relevant publications in the field of the mineral processing of ore deposits or residues of low grade. Relevant publication topics for publication in this Special Issue include alternative techniques for concentrating low-grade minerals, such as the physical–chemical process of concentrating ultrafine minerals; intensive gravity concentration; and the recovery of metals present in residues, batteries, mining waste, etc.

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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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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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