Special Issue

Froth Flotation

Message from the Guest Editor

Froth flotation has been the most important technological invention to provide humankind with the metals required. However, ores have become leaner and more complex to process, challenging our long-held technological solutions. Requirements to reduce global warming by reducing CO2 emissions bring considerable challenges to mineral beneficiation, especially the development of froth flotation technology. The challenges are both systemic and deposit related, and go from theoretical understanding to plant practices. Challenging themes include resource efficiency, energy, and water use. The future ores will be leaner and more complex to process. The solutions developed by the mineral processing community to address these issues will dictate the future of the field. However, there are new and interesting insights into froth flotation, its operation and chemistry, and efforts to mitigate energy and water use, all of which merit publication. Technical papers discussing new theoretical aspects of froth flotation, new reagents, and new operational innovations and processes for all types of ore deposits are invited to this Special Issue on Froth Flotation.

Guest Editor

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Deadline for manuscript submissions

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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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