Special Issue

Geometallurgy

Message from the Guest Editors

Geometallurgy has reached maturity, beyond its early simplistic “geology + metallurgy” conception. It is recognised as an approach that can both maximise value and predict the risks associated with resource development. Modern geometallurgy seeks to integrate geoscientific disciplines with minerals and mining engineering. It aims to understand grade, geoenvironmental, metallurgical and mining variability based on information, such as geochemistry, mineralogy and lithology, obtained from spatially-distributed samples or sample points. Multiple spatially-distributed small-scale tests are used as proxies for grade, mineralogy, process parameter and rock mass variability. These data allow 3D block modelling across relevant parameters, that can then be fed into the mine plan. Geometallurgy vastly increases stakeholder collaboration and communication, creating an environment for knowledge sharing and improved data acquisition and interrogation, with the end result being the integration of such data into mine planning and scheduling. This Special Issue aims to bring together all aspects of geometallurgy; we particularly welcome case studies.

Guest Editors

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Deadline for manuscript submissions

closed (28 September 2018)

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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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