



Geometallurgy

Guest Editors:

Dr. Simon Dominy

Camborne School of Mines,
University of Exeter, Penryn,
Cornwall TR10 9FE, UK

Dr. Louisa O'Connor

Western Australian School of
Mines, Curtin University, Perth,
WA 6102, Australia

Dr. Anita Parbhakar-Fox

ARC Transforming the Mining
Value Chain (TMVC) Industrial
Transformation Research Hub,
University of Tasmania, Hobart,
Tasmania 7001, Australia

Deadline for manuscript
submissions:

closed (28 September 2018)

Message from the Guest Editors

Dear Colleagues,

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.





Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut,
University Bayreuth, D-95440
Bayreuth, Germany

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

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

Contact Us

Minerals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/minerals
minerals@mdpi.com
[X@Minerals_MDPI/](https://twitter.com/Minerals_MDPI/)