



Modelling of Sustainable Extractive Metallurgy Processes

Guest Editors:

Prof. Dr. Chris Pickles

The Robert M. Buchan
Department of Mining, Queen's
University, Kingston, ON K7L3N6,
Canada

Prof. Dr. Sadan Kelebek

The Robert M. Buchan
Department of Mining, Queen's
University, Goodwin Hall, 25
Union Street, Room 354,
Kingston, ON K7L 3N6, Canada

Prof. Dr. Ahmad Ghahreman

The Robert M. Buchan
Department of Mining, Queen's
University, Goodwin Hall, 25
Union Street, Room 354,
Kingston, ON K7L 3N6, Canada

Deadline for manuscript
submissions:

closed (30 June 2020)

Message from the Guest Editors

Dear Colleagues,

The field of extractive metallurgy continues to advance as higher grade orebodies are being depleted and wastes becomes more complex to recycle. Both mineral processors and extractive metallurgists have made considerable advances in the last few decades in developing new technologies. However, experimental testing of extractive metallurgy processes is becoming more expensive. Modelling techniques have advanced significantly over the last few decades and as a result process modelling has become a valuable tool to evaluate the technical feasibility of processes. In this regard, the purpose of this Special Issue is to invite researchers in this area to share their research via open access and, in this way, help the field progress. Papers on both physical and mathematical modelling are invited. The papers should present new ideas, research and technologies, which can lead to not only economic but more environmentally-friendly processes. The fields of mineral processing, hydrometallurgy and pyrometallurgy are included.

Prof. Dr. Chris Pickles

Prof. Dr. Sadan Kelebek

Prof. Dr. Ahmad Ghahreman

Guest Editors





an Open Access Journal by MDPI

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 (*Geochemistry and Geophysics*) / CiteScore - Q2 (*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/)