



Recent Advances in Copper Ore Processing and Extraction

Guest Editors:

Prof. Dr. Weiguo Xie

Swenson College of Science and Engineering, University of Minnesota Duluth, Duluth, MN 55812, USA

xiew@d.umn.edu

Prof. Dr. Hylke J. Glass

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

h.j.glass@exeter.ac.uk

Dr. Eiman Amini

Cooperative Research Centre Optimising Resource Extraction, PO Box 403, Kenmore, QLD 4069, Australia

eiman.amini@orica.com

Deadline for manuscript submissions:

28 January 2022

Message from the Guest Editors

Copper is one of the most important metal commodities, with applications in many products which are essential to sustain modern life. To meet its growing demand, production of copper from primary sources is required. Producers, however, are facing challenges due to falling head grades and more complex ore mineralogy. In this Special Issue, recent advances in copper ore processing and extraction are discussed, focusing on:

- innovations in hydrometallurgical, pyrometallurgical, electrometallurgical, and pre-concentration technologies;
- improving copper ore resource efficiency through application of integrated approaches.

This Special Issue aims to bring together studies from academic and industry experts, and contribute to a better understanding of solutions to the current major industrial challenges.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Paul Sylvester

Endowed Pevehouse Chair,
Department of Geosciences,
Texas Tech University, Lubbock,
TX 79409-1053, USA

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](#), and many [other databases](#).

Journal Rank: [JCR - Q2 \(Mineralogy\)](#) / [CiteScore - Q2 \(Geology\)](#)

Contact Us

Minerals
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

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