



Flotation of Cu-Zn Sulfide Ores

Guest Editors:

Prof. Dr. Zafir Ekmekçi

Hacettepe University Mining
Engineering Department,
Beytepe, Ankara 06800, Turkey

Dr. Özlem Bıçak

Hacettepe University Mining
Engineering Department,
Beytepe, Ankara 06800, Turkey

Deadline for manuscript
submissions:

closed (31 July 2023)

Message from the Guest Editors

Dear Colleagues,

Base metals are the most important raw materials used for production advanced technology materials in the industry of electronics, aerospace, automotive and energy. Hence, the demand for the base metals has increased substantially in the last decade. Recycling of waste metals could supply a certain percentage of the demand but it is not sufficient to satisfy the increasing consumption. Therefore, new resources are greatly required, which brings about treatment of low grade, complex sulfide ore deposits in the world.

The Cu-Zn flotation process could be a simple differential flotation process using lime as the only modifier/depressant or a complex process including use of various depressants and specific collectors to achieve an acceptable Cu/Zn selectivity. This Special Issue aims to contribute understanding effects of ore genesis, mineralogy, surface chemistry and flotation chemistry on the flotation of Cu-Zn sulfide ores. Fundamental and applied research studies that address the challenges associated with flotation of Cu-Zn sulfide ores and new approaches to solve the problems are highly recommended.





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/)