



Processing of Metal Sulfides in Seawater and Other High Ionic Strength Aqueous Media: Theory and Practice

Guest Editors:

Dr. Leopoldo Gutierrez

Prof. Dr. Fernando Betancourt

Dr. Dennis Vega

Deadline for manuscript
submissions:

closed (18 November 2021)

Message from the Guest Editors

Dear Colleagues,

The use of non-conventional sources of water such as seawater and other high ionic strength aqueous media to process metal-sulfides-bearing ores has become a more common practice in the mineral processing industry. The presence of inorganic and in some cases organic compounds strongly modifies the surface properties of particles of the metal sulfides and gangue minerals dispersed in water. As a result, the efficiency of the different stages of the processing plants of metal sulfide ores is strongly affected. One example is the use of seawater in concentrators located in some dry mining areas, which causes important changes in the physicochemical conditions of the mineral suspensions, affecting the efficiency of the whole processing chain (i.e., grinding, froth flotation, and solid–liquid separation).

We invite you to contribute to this Special Issue entitled “Processing of Metal Sulfides in Seawater and Other High Ionic Strength Aqueous Media: Theory and Practice”. Papers from academia and industry are welcome.





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 & Mineral Processing*) / CiteScore - Q2 (*Geology*)

Contact Us

Minerals Editorial Office
MDPI, St. Alban-Anlage 66
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/)