



an Open Access Journal by MDPI

Barite

Guest Editors:

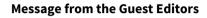
Dr. Felix Brandt

Institute of Energy and Climate Research, Forschungszentrum Jülich (FZJ), 52428 Jülich, Germany

Dr. Jenna Poonoosamy

Forschungszentrum Jülich (FZJ), 52428 Jülich, Germany

Deadline for manuscript submissions: closed (31 January 2020)



Barite is a natural mineral which not only occurs in hydrothermal environments but also forms as unwanted scale. It is a highly insoluble mineral and has therefore been studied as a model for sparingly soluble salts. Furthermore, barite is relevant to ocean sedimentology and the geochemistry where the trace elements taken up during crystallization are used as a proxy to understand the marine barium cycle.

We welcome studies including:

- Experimental and theoretical work;
- The barite-water interface;
- Geochemistry of barite in oceanic settings;
- Nucleation and growth of barite and isostructural minerals;
- Crystallography, bulk, and surface physical properties of barite and isostructural minerals;
- Environmental aspects: Scale formation of baritetype minerals and incorporation of foreign ions, remediation of pollutants by barite;
- Reactive transport and barite-based model systems;
- NORM and barite;
- Crystallography, bulk, and surface physical properties of barite and iso-structural minerals;
- Environmental aspects: Scale formation of baritetype minerals;
- Reactive transport and sulphate as model systems in porous media.





mdpi.com/si/27562





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 (*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/