



Flotation Chemistry

Guest Editors:

Prof. Dr. Yuehua Hu

School of Minerals Processing
and Bioengineering, Central
South University, Changsha
410083, China

Prof. Dr. Zhiyong Gao

School of Minerals Processing
and Bioengineering, Central
South University, Changsha
410083, China

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Message from the Guest Editors

Dear Colleagues,

We invite contributions to this Special Issue on aspects listed in the keywords, covering recent advances and innovations in flotation chemistry, which will be of direct interest to researchers and practitioners in the mineral processing field. Contributions reporting on mineral surface chemistry, the development and design of novel reagents, and mechanism exploration of mineral/reagent interactions using advanced tools and instruments, are especially welcome.

Keywords

- Minerals (sulfide oxides, silicates, sparingly soluble minerals, iron minerals, rare earth minerals, etc.)
- Mineral chemistry (surface reactivity, surface broken bonds, surface energy, wettability, surface hydration, surface charge, etc.)
- Reagents (collectors, depressants, dispersants, etc.)
- Reagent chemistry (QSAR, molecular design, assembly, etc.)
- Mineral/reagent interaction (molecular dynamics simulation, quantum chemistry simulation, AFM, XPS, QCM-D, SFG, etc.)
- Flotation

Dr. Zhiyong Gao
Prof. Yuehua Hu
Guest Editors





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.

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Contact Us

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

Tel: +41 61 683 77 34
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