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Sulfide Geochemistry

Guest Editor:

Dr. Cora C. Wohlgemuth-Ueberwasser
Helmholtz Centre Potsdam, GFZ German Research Centre for Geosciences, 14473 Potsdam, Germany

Deadline for manuscript submissions:
closed (1 June 2019)

Message from the Guest Editor

Dear Colleagues,

Sulfides, as a major host to a variety of elements of economic interest, form in diverse geological environments. Their formation conditions are strongly dependent on external parameters, such as availablity of elements, temperature, pressure, sulfur saturation, and oxygen fugacity, among others. The geochemistry of sulfides is, in many cases, restricted to phase stabilities. Investigations of phase diagrams, as well as change in phase stabilities with changing intrinsic parameters, serve as base for our knowledge of sulfide deposit formation. Minor element incorporation is equally controlled by external as well as internal parameters, latter being, e.g., crystal parameters, defect sites, the incorporation of micro- or nanoinclusions, or coupled substitution of specific elements. Future exploration for metals for the world's demand rely on a thorough knowledge of sulfide geochemistry. This Special Issue aims to publish research on topics related to different aspects of sulfide geochemistry such as modeling, experimental studies and analytical approaches.

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Guest Editor

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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, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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minerals@mdpi.com
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