

Special Issue

Sulfide Mineralogy and Geochemistry

Message from the Guest Editors

Sulfides are considered one of the most important groups of ore minerals. Understanding their mineralogical and geochemical features is crucial for the elucidation of their genesis, for the exploration of the ore deposit type, or for further mineral exploration. The importance of sulfide minerals has long been, and continues to be, of great interest for mineralogists and geochemists. Their applications show a multi-disciplinary range, not only in mineralogy and geochemistry, but also in crystallography, spectroscopy, material science, applied chemistry and physics, surface science, mineral technology, and (more recently) biogeochemistry and the environmental sciences. This Special Issue will focus on the latest achievements in the mineralogical, geochemical, and crystal structure of sulfide minerals to reveal new insights into the conditions of ore formation, mineral deposition, ore processing, and environmental application. The Special Issue will cover topics such as crystal structure and classification, electrical and magnetic properties, spectroscopy, chemical bonding, high- and low-temperature phase relations, thermochemistry, and stable isotopes.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2024)



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About the Journal

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.

Editor-in-Chief

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Journal Rank:

JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).