Special Issue

Sulfide Mineralogy and Geochemistry, 2nd Edition

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... 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. Additionally, studies on different investigation techniques, such as LA-ICP-MS, EPMA, or Raman spectroscopy, are also welcome.

Guest Editors

Prof. Dr. Gheorghe Damian

Dr. Andrei Buzatu

Dr. Andrei Ionuț Apopei

Deadline for manuscript submissions

30 December 2025

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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)

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

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