

Special Issue

Crystal Structure, Mineralogy, and Geochemistry of Scapolite

Message from the Guest Editors

Dear colleagues, Minerals of the scapolite group are common rock-forming aluminosilicates that occur in a wide variety of metamorphic and altered igneous rocks. The volatile components in scapolites indicate that they may play a natural role in the capture and storage of greenhouse gases. Scapolites have well-pronounced crystal chemical complexity, and some questions in this field of study have not yet found an unequivocal answer. Among the most important questions in this regard are those related to the elucidation of possible isomorphous substitutions in scapolite solid solutions, the relationship between chemical composition and crystal structure characteristics (choice of space group, presence or absence of phase transitions, antiphase boundaries), and the classification of the members of this group. This Special Issue aims to present new mineralogical, geochemical, and structural studies on scapolites, as well as to provide an arena for collaboration and knowledge exchange between authors working with this fascinating group of minerals. We encourage submissions that present fundamental and applied research extending the current understanding of scapolite mineralogy.

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Deadline for manuscript submissions

closed (26 July 2024)



Minerals

an Open Access Journal
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Impact Factor 2.2
CiteScore 4.4



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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.

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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).