

## Special Issue

# Mechanisms of Magma–Rock Interaction in Crustal Evolution

### Message from the Guest Editors

This Special Issue aims to examine these processes through studies that use the structural, geochemical, geochronological, and mineralogical characteristics of both magmatic and country rocks. The role of country rock structure, both pre- and syn-intrusion, and the characteristics of the magmas themselves, both in terms of composition and physical characteristics, are thus of relevance to this Special Issue. Articles that make use of geochemistry, both whole-rock and mineralogical, and petrological modelling to examine such emplacement mechanisms as stoping and assimilation are of relevance to this Special Issue. We are also seeking articles that examine how the intruded country rock is influenced by, or influences and interacts with, the intruding magma. In addition, any studies that examine pluton construction mechanisms via multiple magma batches, assessed through geochemistry and geochronology in combination with structural studies, are welcome. These aspects have implications for crustal evolution as they influence how magmas intrude, as well as their chemical compositions, which ultimately affect the composition of the crust.

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### Guest Editors

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### Deadline for manuscript submissions

30 November 2026



## Minerals

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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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### Editor-in-Chief

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