Special Issue

Metallogenic Enrichment in Orogenic Systems: Processes Linking Crustal Evolution to Ore Genesis

Message from the Guest Editor

The evolution of the Earth's crust, encompassing both continental and oceanic domains, has played a pivotal role in the formation of diverse ore deposits within orogenic systems. This Special Issue seeks to explore the intricate relationship between crustal evolution and metallogenic enrichment processes, with a particular emphasis on the mechanisms that drive ore genesis in orogenic settings. By focusing on the interplay between tectonic processes and metal enrichment, this Issue aims to advance our understanding of how crustal dynamics influence the distribution and concentration of mineral resources. By exploring the complex relationship between crustal evolution and metallogenic enrichment in orogenic systems, this Special Issue aims to deepen our understanding of the geological processes that have shaped the Earth's crust and enriched it with mineral resources. Through interdisciplinary research and collaboration, we can unlock new insights that will guide future exploration efforts and resource management practices in these geologically dynamic regions. Key Themes:

- Crustal Evolution and Metallogenic Enrichment: Investigate the

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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).

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