

Special Issue

Formation and Characteristics of Sediment-Hosted Ore Deposits

Message from the Guest Editors

This Special Issue is a testament to the power of interdisciplinary collaboration, presenting the latest advances in the study of sediment-hosted ore deposits. By combining the expertise of various fields—including mineralogy, petrology, structural geology, geochemistry, geochronology, geomorphology, and regional tectonics—we aim to unlock crucial insights into the formation and deformation mechanisms that create sediment-hosted ore deposits. This interdisciplinary approach enables a comparative analysis of temporal and geographic patterns in ore deposit formation on a global scale. We invite submissions that include original scientific research relating to sediment-hosted deposits from established and newly identified localities worldwide. The Special Issue focuses on the following topics:

- The geological background, occurrence, and genesis of sediment-hosted deposits;
- The mineralogical, geochemical, spectroscopic, and microstructural characteristics of stratum layers;
- Integrated methodologies for examining the provenance of sediment-hosted deposits as well as deposit identification and vectoring.

Guest Editors

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Deadline for manuscript submissions

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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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Rapid Publication:

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).