



Structure and Origin of Gold Mineralization: From Primary to Placer Gold Deposits

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Deadline for manuscript submissions:

closed (31 December 2025)

Message from the Guest Editors

Dear Colleagues,

Recent advances in the study of gold mineralization requires a multidisciplinary approach based on geological, geochemical, and geophysical data. The implementation of remote sensing techniques and hyperspectral images in combination with soil, water, and biologic geochemistry has led to the recognition of potential economic deposits within a variety of tectonic settings. The development of aeromagnetic surveying has also allowed for large-scale prospecting tasks in remote or difficult to access areas of the planet, improving the geological characterization of near-to-surface deposits. Studies range from the analysis of macro- and micro-scales based on traditional geological prospection and metallogenetic relations observed in new and different types of gold deposits to the advanced analysis of isotope geochemistry and fluid inclusions using the latest techniques to gain insights into the genesis and evolution of mineralizations. This Special Issue aims to contribute to understanding the origin and structure of gold mineralization using different methods and techniques.





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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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Journal Rank: JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

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