Special Issue

Formation of Gemstones and Geology of Gem Deposits

Message from the Guest Editors

Gemstones are sought after due to their beauty, durability, rarity, and high value. Ever since their discovery, gemologists have been seeking genetic connections with geology, because they represent special geological conditions which can provide a window for understanding the special formation of gemstones, even as earth evolves. This Special Issue aims to present gemstone deposits in relation to gemology, mineralogy, petrology, geochemistry, geochronology, etc. We are interested in combined research (e.g., field research, geological setting, mineralogy, gemology, petrology, geochemistry, and geochronology). The Special Issue invites submissions including original scientific research relating to gemstone deposits worldwide. The Special Issue focuses on the following topics: 1) mineralogical, gemological, geochemical, geochronological, and spectroscopy characteristics and their implications on the genesis of gemstones; 2) the forming processes and mineralization mechanisms of gem deposits worldwide; 3) studies of new discoveries of gem deposits and new gem species;

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2024)

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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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Journal Rank:

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

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).

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