Special Issue

Novel Methods and Applications for Mineral Exploration

Message from the Guest Editor

As the mineral exploration industry faces new challenges (deeper deposits with lower grades in more remote regions), exploration geoscientists strive to develop novel exploration methods, techniques, and applications. These efforts affect the main fields of geophysics (e.g., ZTEM) and geochemistry (e.g., isotopes), but we also see the emergence of novel exploration methods or revival and redevelopment of established methods. Submissions are invited for a Special Issue of *Minerals* reflecting on these recent developments. Of particular interest are manuscripts describing a novel exploration method or technique, or the novel application or a standards method, or case studies and success stories. A broad range of deposit types, commodities, and geographic regions will be considered. The intent is to achieve a comprehensive and timely anthology of the most advanced and recent developments in mineral exploration.

Guest Editor

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Deadline for manuscript submissions

closed (24 January 2020)

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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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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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