Special Issue

Mineral, Fluid, and Melt Inclusions—Analysis, Interpretation, and Application

Message from the Guest Editor

Mineral, fluid, and melt inclusions provide critical information on the physicochemical properties of geochemical systems that are unobtainable by other means. Combining inclusion petrography, compositional information, phase equilibria, and modeling gives unique insights into geologic spaces, times, and processes that are otherwise inaccessible and significantly contributes to advancement in diverse areas including petrology, mineral deposits, and hydrocarbon reservoir characterization, among others. This Special Issue will combine the latest advances in mineral, fluid, and melt inclusion analysis and interpretation with studies in the application of inclusions to a spectrum of geologic environments and investigations. Consequently, submissions spanning the breadth and depth of mineral, fluid, and melt inclusion science are encouraged.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 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.

Editor-in-Chief

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Journal Rank:

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

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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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