Special Issue

Integrated Chronology Studies of Ore Deposits

Message from the Guest Editor

We enthusiastically invite papers that integrate at least two or more different radiogenic isotope chronometers used to define ore genesis of any deposit type. Ideally, the papers will have chronologic data measured in ores and silicate/host minerals and/or rocks. Geochronologic studies of this nature will illustrate the importance of the following hypotheses regarding the genesis of ore deposits: The duration of mineralization, the importance of singular events, the importance of multiple superimposed events, and timing of mineralization within geologically complicated areas. Several chronometers also provide sources of magmas and metals, and these ideas are encouraged to be integrated within the argument.

Keywords

- radiogenic geochronlogy
- U-Pb
- Re-Os
- Ar-Ar
- Sm-Nd
- Lu-Hf
- Ore deposits
- mineralization events

Guest Editor

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Deadline for manuscript submissions

closed (1 October 2019)

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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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Author Benefits

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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 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).

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