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Accessory Mineral Petrogenesis and Isotopic Robustness

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Deadline for manuscript submissions:
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Message from the Guest Editor

This Special Issue of *Minerals* is focused on accessory mineral petrogenesis and isotopic robustness. Accessory minerals can be used for a wide variety of investigations spanning geochronology, radiogenic and light stable isotope tracers, and linking chemical and isotopic zoning to the origin and evolution magmatic, metamorphic, sedimentary, hydrothermal, and impact-related systems. The isotopic robustness of accessory minerals in these systems is, therefore, of critical interest. The advent of increasingly sensitive mass spectrometers, more sophisticated data reduction software, and novel micro-sampling techniques have also opened the door to the study of a more diverse suite accessory minerals.

The aim of this Special Issue is to gather new applications and review articles that reconstruct the petrogenesis of accessory minerals and test the isotopic robustness of these minerals using experimental and empirical studies.

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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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