Special Issue

Cassiterite: The U-Pb Mineral Geochronometer

Message from the Guest Editor

Tin is one of the earliest smelted metals for bronze production and it remains a critical commodity as a protectant or an alloy with other metals. Cassiterite, a dense mineral of the rutile group, is the predominant ore mineral of tin. Recent advances in the U-Pb dating technique by in situ LA-ICPMS and ID-TIMS have allowed us to perform direct U-Pb dating of cassiterite. This Special Issue of *Minerals* invites submissions that apply cassiterite U-Pb geochronology to a variety of mineral deposits. Submissions on the development of novel techniques in cassiterite U-Pb geochronology, evaluating cassiterite behavior during superimposed processes, and documenting examples of successful applications are welcome.

Guest Editor

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Deadline for manuscript submissions

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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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