Special Issue

Mineralogy, Geochemistry and Geochronology of W-Sn Polymetallic Deposits

Message from the Guest Editors

W-Sn deposits are providing a lot of valuable and critical resources for the world. At present, the study of W-Sn deposits mainly focuses on two aspects. First, the genesis of highly differentiated granites, including the determination of major/trace elements and Sr-Nd isotopes of the rocks and Hf-O isotopes of related accessory minerals (such as zircon and apatite). Second, with the development of in situ analysis, the texture, trace elements, and isotopes (e.g., Sr, Sn, Mo, and B) of a variety of metal minerals (e.g., scheelite, cassiterite, wolframite, molybdenite, and tourmaline) as well as gangue minerals (e.g., quartz and mica) related to W-Sn mineralization have been studied. This Special Issue will focus on recent advances in W-Sn polymetallic deposits, including but not limited to topics such as magma sources and evolutionary processes of mineralization-related granites, in-situ analysis of W- and Sn-bearing minerals, fluid exsolution and mineral precipitation processes, and geochemistry/geochronology of typical W-Sn polymetallic deposits worldwide.

Guest Editors

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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.

Editor-in-Chief

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