Special Issue

Development of W-Sn and Rare-Metal Metallogenic Systems in an Orogenic Belt

Message from the Guest Editor

Tungsten, tin, and rare metals are regarded as “strategic resources” or “critical material” by the European Commission and the U.S. Department of Energy. This Special Issue represents a cross-disciplinary appeal covering all the processes involved in the formation of W–Sn and rare metal deposits spatially related to granites or pegmatites, from analytical innovations to metallogenic system models, through to metallogenic provinces, granite and enclosing rock geochemistry, mineral chemistry, trace element geochemistry, geochronology of ore and gangue minerals, stable isotopes, fluid inclusions, experimental investigations, and thermodynamical modeling. This issue intends to cover all aspects contributing to the advancement of the understanding of fundamental problems of ore-forming processes: Tracing the sources of ore components and fluids, determination of physicochemical parameters controlling the transport of metals, and mechanisms of accumulation of metals during the formation of ore deposits.

Guest Editor

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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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