Special Issue

Geology and Petrology of Ophiolites

Message from the Guest Editor

Ophiolites represent fragments of the upper mantle and oceanic crust that were incorporated into continental margins during continent–continent and arc-continent collisions, ridge-trench interactions, and/or subduction-accretion events. Ophiolite units (peridotite, gabbro, subvolcanic, and volcanic complexes) have varying internal structures, geochemical affinities, and age ranges, and can become tectonically juxtaposed in collision zones. They originally formed in different geodynamic settings, including continental margins, mid-ocean ridges, and suprasubduction zones. Incorporated into subduction-accretion complexes of active margins and later into orogenic belts, ophiolites may be highly dismembered, may have diverse lithological assemblages, metamorphic grades, styles of deformation, and geochemical affinities. [...]. This Special Issue accepts original research and reviews related to the geology, geochemistry, mineralogy, and ore potential of various types of ophiolites in orogenic belts of various ages.

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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