Special Issue

Orogenic Metamorphism of Oceanic Lithosphere

Message from the Guest Editor

The amalgamation of ophiolites into orogenic buildings represents the final stages of a Wilson cycle. However, different geodynamic models might have occurred in the closure of recent and ancient ocean floors. Subduction-related alpine-type dynamics produced low T/P metamorphic series; the continental collision typical of the Carboniferous orogens that built the Pangea generated intermediate to high-grade nappes, possibly involving partial melting at different crustal levels; accretionary prisms are characterized by very-low-to medium-grade metamorphic overprint; ...Contributions are welcomed which report examples of ophiolitic successions from different primary settings (i.e., with different compositions and stratigraphic features), recording metamorphic gradients representative of different examples of the orogenic processes.

Guest Editor

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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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