

Special Issue

Continental Crust Evolution in Collisional and Accretionary Orogens: Petrological, Tectonic and Metallogenic Implications

Message from the Guest Editors

Collisional and accretionary orogens are the most spectacular records of the tectono-magmatic evolution of continental crust. Accretionary orogens form at ocean–continent convergent plate margins. In this context, this Special Issue welcomes submissions focused on, but not limited to, the following topics:

- Investigating continental growth at accretionary orogens via high-precision geochemical and geochronological approaches.
- Determining the multiphase structural evolution of the continental crust at accretionary orogens and how the pre-existing crustal architecture affects the collisional orogeny.
- Comparative analysis of the tectono-magmatic activity in accretionary vs. collisional orogenic belts, including the igneous rock assemblages in the orogens, their magma AFC (assimilation and fractional crystallization) processes, and the underlying geodynamic controls.
- Deciphering the formation and localization of the ore deposits in the accretionary or collisional orogenic belts, with special attention paid to the tectonic-magmatic backgrounds.
- Discussing the far-field effect of collisional orogeny on ancient accretionary/collisional orogens.

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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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