Special Issue

Geochronology, Tectonic Evolution and Mineralization of the Central Asian Orogenic Belt

Message from the Guest Editors

The Central Asian Orogenic Belt (CAOB) is characterized by a protracted accretionary history and complicated intracontinental processes, which makes it a natural laboratory to study tectonics, mineralization and ore preservation. The CAOB was formed during the Late Precambrian–Paleozoic era as a result of the growth of the Asian continent by accretionary and continental types of margins, with repeated manifestations of large-amplitude strike-slip tectonics and superposition of the magmatic effect of the Siberian and Tarim plumes. The main purpose of this issue is to determine the relationships and patterns of the formation of mineralization and ore deposits with the tectonics and geodynamics of the CAOB.

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Deadline for manuscript submissions

closed (22 October 2021)

Minerals

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Impact Factor 2.2
CiteScore 4.4

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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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