Special Issue

Tectonic Evolution and Mineralization of the Dabie Orogen

Message from the Guest Editors

The Dabie Orogen in East China was created by the Triassic northwards subduction of the South China Block beneath the North China Block, and it exposes the largest area of UHP metamorphic rocks in the world, with the Sulu Orogen in the northeast. Although studies on the Dabie Orogen have been in operation for more than 40 years, there are still many unresolved problems. For example, as one of the largest ultra-high-pressure terranes in the world, what is its exhumation process and mechanism? The Dabie Orogen underwent intense extension during the post-collisional stage, resulting in extensive magmatism and mineralization, but the mechanism of this post-collisional extension is still controversial. In order to discover the tectonic evolution process of the Dabie Orogen, a large number of works have been continuously carried out in recent years, including petrology, stratigraphy, structural geology, geochemistry and geochronology, geophysics, etc. These works have elucidated new understanding of and made progress in the tectonic evolution and mineralization of the Dabie Orogen. This Special Issue is a platform for showing these new achievements.

Guest Editors

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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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