

Special Issue

Dating Deep-Seated Tectonic Activities with Minerals

Message from the Guest Editors

We invite you to submit contributions on quantifying the timing of tectonic activity using radiometric methods. Translating the radiometric data of metamorphic and magmatic rocks into meaningful ages using geological dating processes has been a perpetual challenge. Structures and petrological data in metamorphic terrain—such as (U)HP-mineral assemblages, migmatitic gneiss domes, and shear-/detachment zones in granulites—demonstrate that the lithosphere was internally deformed over large scales, at all depths. Dating deformation-related structures in metamorphic rocks is important for the understanding of the pathways of lithospheric movements over time and the rheological properties of the crust. Therefore, we welcome reviews and original papers dealing with all aspects of dating tectonic activities that occurred deep in the lithosphere.

Dr. habil. Alexander Krohe

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2020)



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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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