Special Issue

Microstructures in Quartz: Indicators for Kinematics and the Conditions for Ductile Deformation in Tectonites

Message from the Guest Editor

In this Special Issue of *Minerals*, any contributions dealing with microstructures in deformed and recrystallized quartz grains in natural orogenic belts and shear zones, and in particular studies focusing on physical conditions for the formation of microstructures in quartz, which can be used to reconstruct P–T–t–D paths, are welcome. Further, experimental and theoretical studies on the ductile deformation and formation of microstructures in quartz, which can advance the study of estimation of physical conditions for deformation in quartz, are also welcome. **Keywords:**

- quartz
- dynamic recrystallization
- microstructures
- deformation conditions
- ductile shear zones
- electron backscatter diffraction (EBSD)

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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