# Special Issue

# Mineralogical Controls on Fracture/Fault Sealing and Fluid Migration through Time

## Message from the Guest Editors

Fracture/fault sealing is known as a process exerting crucial control in all those geological systems in which fractures/faults play a key role in governing fluid flow. Fluid flow through fractures/faults is a dynamic process that requires a duration in time and the occurrence of localised fluid-rock interactions causing mineral reactions that alter the barrier/transmissive behaviour of fractures/faults. The evolution of mineral reactions exerts a strong control in the migration of fluids through time and at multiple scales, occurring in many different geological systems such as: evolution from rifts to orogens, genesis of economic mineralization, reservoirs during production/storage of fluids including CO2 or contaminated waste water, and induced seismicity related to the exploitation of geothermal and non-conventional hydrocarbon resources...We welcome submissions bringing the latest concepts developed on fault sealing and its role in fluid migration. We encourage contributions that open up the concept of fracture/fault sealing to broader contexts of application, particularly contributions that focus on the mineralogical controls on fracture and fault sealing.

## Guest Editors

Dr. Antonio Benedicto

Dr. Richard. A. Schultz

Dr. Christopher Wibberley

Prof. Dr. Janos L. Urai

## Deadline for manuscript submissions

closed (28 February 2022)

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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.

## Editor-in-Chief

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