

Special Issue

Deformation, Diagenesis, and Reservoir in Fault Damage Zone

Message from the Guest Editors

Fault damage zone has complicated architecture and a profound impact on the mechanical, hydraulic, and petrophysical properties of the host rocks. There is also fluid activity within the fracture network. The complicated structural–diagenetic process in the fault damage zone significantly influences the architecture and subsequently heterogeneous reservoir along the fault zone. Therefore, geological, geophysical, and engineering technologies have been widely used to detect the architecture, deformation, and reservoir in the fault damage zone. This Special Issue seeks high-quality works focusing on the latest novel advances in fault damage zones. This Special Issue includes, but is not limited to, the following:

- Fracture networks and deformation, fluid–rock interaction, and diagenesis and reservoirs in carbonate fault damage zones.
- The timing and evolution of deformation and diagenesis, interaction between fractures and diagenesis, and the process and evolution of fault damage zones.
- Methods and technologies, and applications and case studies, in the description of fault damage zones and fractured reservoirs.

Guest Editors

Prof. Dr. Guanghui Wu
Prof. Dr. Tongwen Jiang
Dr. Xuefei Yang

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Minerals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
minerals@mdpi.com

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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

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth,
Germany

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