



Distribution and Development of Faults and Fractures in Shales

Guest Editors:

Prof. Dr. Lei Gong

Dr. Guoping Liu

Dr. Ruyue Wang

Dr. Shaoqun Dong

Dr. Zhonghu Wu

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editors

Dear Colleagues,

Fractures and faults are important storage spaces and seepage channels of shale reservoirs, which affect the enrichment law, preservation conditions, and individual well productivity of shale hydrocarbon; hence, they are important geological factors that need to be considered in shale oil and gas exploration. In recent years, with the large-scale exploration and development of shale oil and gas, many scholars have carried out extensive research on the development characteristics, formation mechanism, main control factors, evaluation and prediction methods, subsurface stress distribution, and the influence of fractures on the enrichment of shale oil and gas. The purpose of this Special Issue is to summarize the recent advances in the understanding of fracture and fault related to mineralogy, geology, geochemistry, and geophysics in shale reservoirs in recent years, promote and improve the theoretical and technical method system of fracture and fault research, and guide the exploration and development of shale oil and gas.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut,
University Bayreuth, D-95440
Bayreuth, Germany

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Geochemistry and Geophysics*) / CiteScore - Q2 (*Geology*)

Contact Us

Minerals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/minerals
minerals@mdpi.com
[X@Minerals_MDPI/](https://twitter.com/Minerals_MDPI/)