

Special Issue

Advances in Structural Geology: From Deformational Processes to Geo-Resource Exploration

Message from the Guest Editors

This Special Issue focuses on advances in the methods and perspectives applied to structural geology alongside the classical approaches in this field.

Constraining the timing of tectonic events is crucial to establishing an in-depth understanding of the complex evolution of different geodynamic settings through space and time. The deformation of different crustal sectors often results in poly-deformed rocks, potentially associated with low- to high-grade metamorphism.

These deformed rocks are often bounded by crustal-scale shear zones and/or brittle, long-lived faults. Their spatial and temporal variations and the evolution of wall rocks can be determined by analyzing microstructures that have repercussions for both geological processes and regional tectonics. The integration of new and classical techniques, including detailed geological field mapping, macro- and micro-structural analysis, metamorphic petrology, fluid-rock interaction, and geochronology, is highly desirable [...] For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/geosciences/special_issues/21AT0Z9PVJ

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About the Journal

Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. John C. Eichelberger

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