

Special Issue

Evolution of Crustal-Scale Shear-Zones

Message from the Guest Editors

It is our pleasure to announce that we have agreed to assemble a Special Issue focussing on the evolution of crustal-scale shear zones (CSSZs). CSSZs often exhibit a complex variety of fault-rocks and related structures that record changes in deformation mechanisms during progressive deformation, and/or deformation during exhumation. CSSZs and the structures associated with them play a crucial role in the development of orogenic belts.

In this Special Issue, we would like to encourage the submission of scientific papers focussing on the study of plastic- and/or brittle-related crustal-scale shear-zones, with particular reference to those characterised by a transition from plastic- to frictional-deformation behaviour. Multiscale structural investigation, supported by the analysis of physical conditions during deformation, represents a fundamental tool to unravel the geodynamic evolution of many ancient and currently active plate boundaries where significant amounts of deformation have accumulated.

Guest Editors

Prof. Dr. Carmelo Monaco

Dr. Gaetano Ortolano

Prof. Dr. Ian Alsop

Deadline for manuscript submissions

closed (15 May 2021)



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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. Alberto G. Fairén

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