



Tectonic Evolution of Subduction Processes

Guest Editors:

Dr. Maria Di Rosa

Dipartimento di Scienze della
Terra, Università di Pisa, 56126
Pisa, Italy

Dr. Thomas Leydier

UMR CNRS 6134 Sciences pour
l'Environnement, Equipe
Hydrogéologie, Université de
Corse Pasquale Paoli, BP52,
20250 Corte, France

Deadline for manuscript
submissions:

closed (30 September 2025)

Message from the Guest Editors

Dear Colleagues,

The study of convergent margins is increasingly aimed at understanding the geological phenomena activated in the crust and upper mantle. The rheological features of the plates involved, the role of inversion tectonics, the link between tectonics and sedimentation, the reaction of the geothermal gradients in the lithospheric mantle, the circulation of fluids at different depths, the transfer of material from/to the lower plate to/from the prism, the reactivity of the rocks subjected to high pressures, the underplating dynamics, and the role of time in subduction and exhumation processes are some of the issues we come across when we approach the study of an orogenic belt. The accessibility of information we have on the Phanerozoic belts allows us to reach a degree of knowledge of modern tectonics that can explain both the framework of Precambrian tectonics and the lithospheric processes occurring today.

This Special Issue aims to collect original research and reviews that focus on the studies that address the aforementioned issues.





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), GEOBASE, GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

Journal Rank: JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

Contact Us

Minerals Editorial Office
MDPI, Grosspeteranlage 5
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/)