

## Special Issue

# Structural and Metamorphic Evolutions of the Pre-Alpine Lithosphere of the Alps

### Message from the Guest Editors

The Alps represent a unique natural laboratory for studying the effect of superposed Wilson cycles. Although the Alpine collision deeply affected the lithosphere of European and Adria plates, signatures of the pre-Alpine evolution can be found in the whole Alpine chain. Magmatic, sedimentary and metamorphic remnants preserved in the Alpine lithosphere indicate a long-lasting history characterized by subduction, collision, post-collisional events, and lithosphere extension, allowing the formation and destruction of supercontinents and oceans. The challenge is reconstructing the tectonic evolution at plate scale starting from small-scale structural, igneous, and metamorphic imprints preserved in the pre-Alpine relicts. Fundamental tools are detailed structural maps, meso- and microstructural analysis, thermo-barometric estimates, geochronology, and models. We encourage the submission of contributions aimed at reconstructing the pre-Alpine history of the lithosphere of the Alps at different scales of investigation, and concerning geological mapping, structural analyses, metamorphic evolution, geochronologic interpretation, and numerical modelling.

### Guest Editors

Dr. Manuel Roda

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### Deadline for manuscript submissions

closed (22 October 2021)



## Minerals

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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.

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### Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

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