



## Low- and Very-Low-Grade Metamorphism: From Minerals and Isotopic Characterization to Tectonic Implication

Guest Editors:

**Dr. Maria Di Rosa**

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

**Dr. Laura Federico**

Dipartimento di Scienze della  
Terra, dell'Ambiente e della Vita,  
University of Genova, 16132  
Genova, Italy

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submissions:

**closed (31 December 2023)**

### Message from the Guest Editors

Dear Colleagues,

Metamorphic rocks recording LT-blueschist and -greenschist conditions, together with rocks affected by late-orogenic fluid circulation, are still a challenging research topic because of a frequent lack of equilibrium of metamorphic reactions, small-scale minerals, and frequent mineralogical/geochemical inheritance from protoliths. Thanks to advances in methods based on mineral chemistry (new geothermometers and geobarometers), isotopic dating, and fluid inclusions studies, it is possible to more precisely define the tectono-metamorphic history of tectonic units characterized by low-grade to very-low-grade metamorphism that crop up in the orogenic chains.

This Special Issue aims to collect original research and reviews focused on the study and definition of low-to very-low-grade metamorphic units (PT conditions, age, PTdt trajectories, etc.) to decipher the processes activated in the medium-shallow crustal levels during all tectonic stages of an orogeny. We therefore welcome minero-petrographical, geochemical, and geochronological studies that also fit their results within the tectonic framework and contribute to enriching the knowledge of tectonic evolution.





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## 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.

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*Minerals* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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