

## Special Issue

# Experimental Petrology: Metamorphic Evolution of Eclogite

### Message from the Guest Editors

The occurrence of eclogite often indicates either a subduction- or collision-related orogenic process that marks the operation of plate tectonics on Earth as the most significant mechanism making our planet unique and vivid. Therefore, the studies of eclogite, from both natural orogenic belts on Earth or experimental synthesization, are of great importance to understand the lithospheric geodynamics in large-scale horizontal and vertical movements contributing to the materials recycling between the supracrust and the deep lithosphere. This Special Issue aims to contribute to the description and interpretation of the newly discovered geologic process or phenomenon related to eclogite and eclogite facies metamorphism in orogenic processes or deep mantle fragments. In the meantime, any experimental attempts to synthesize eclogitic assemblage(s) under extreme conditions (e.g., UHP) are also welcome.

### Guest Editors

Dr. Xiaoli Li

MOE Key Laboratory of Orogenic Belts and Crustal Evolution, School of Earth and Space Sciences, Peking University, Beijing 100871, China

Dr. Renbiao Tao

Center for High Pressure Science and Technology Advanced Research (HPSTAR), Beijing 100094, China

### Deadline for manuscript submissions

closed (31 March 2024)



## Minerals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.4



[mdpi.com/si/162850](https://mdpi.com/si/162850)

*Minerals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[minerals@mdpi.com](mailto:minerals@mdpi.com)

[mdpi.com/journal/  
minerals](https://mdpi.com/journal/minerals)





# Minerals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.4



[mdpi.com/journal/  
minerals](https://mdpi.com/journal/minerals)



## 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.

---

### Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth,  
Germany

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

#### Journal Rank:

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

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).