

## Special Issue

# Dating Deep-Seated Tectonic Activities with Minerals

### Message from the Guest Editors

We invite you to submit contributions on quantifying the timing of tectonic activity using radiometric methods. Translating the radiometric data of metamorphic and magmatic rocks into meaningful ages using geological dating processes has been a perpetual challenge. Structures and petrological data in metamorphic terrain—such as (U)HP-mineral assemblages, migmatitic gneiss domes, and shear-/detachment zones in granulites—demonstrate that the lithosphere was internally deformed over large scales, at all depths. Dating deformation-related structures in metamorphic rocks is important for the understanding of the pathways of lithospheric movements over time and the rheological properties of the crust. Therefore, we welcome reviews and original papers dealing with all aspects of dating tectonic activities that occurred deep in the lithosphere.

Dr. habil. Alexander Krohe

---

### Guest Editors

Dr. habil. Alexander Krohe  
Institute of Mineralogy, University of Münster, Münster, Germany

Dr. Nicole Wawzenitz-Hoymann  
Helmholtz Centre Potsdam, GFZ German Research Center for Geosciences, Potsdam, Germany

---

### Deadline for manuscript submissions

closed (31 March 2020)



## Minerals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.4



[mdpi.com/si/20868](https://mdpi.com/si/20868)

*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).