

## Special Issue

# Origin of High- to Low-Temperature Seafloor Deposits: News from Mineralogy and Geochemistry

### Message from the Guest Editors

The study of seafloor massive sulfide deposits counts more than 40 years since the discovery of the first hydrothermal vent site. This type of marine mineral deposit is still highly attractive for scientists. Every seafloor massive sulfide deposit exhibits unique features, which supplement a better understanding of the formation conditions of hydrothermal sulfide systems worldwide. This Special Issue intends to provide a new reference on mineralogical and geochemical features of shallow-to-deep seafloor massive sulfide deposits, which are the major carriers of base (Cu, Zn, Pb) and precious (Au, Ag) metals. One of the key issues, especially for the possible mining of seafloor massive sulfides, concerns the mode of occurrence of trace (including valuable or deleterious) elements. Since gangue minerals are important constituents of seafloor massive sulfide deposits, their studies are also warmly welcome.

---

### Guest Editors

Dr. Irina Yu. Melekestseva

South Urals Federal Research Center of Mineralogy and Geocology, Urals Branch of the Russian Academy of Sciences, 142432 Miass, Russia

Prof. Dr. Valeriy Maslennikov

South Urals Federal Research Center of Mineralogy and Geocology, Urals Branch of the Russian Academy of Sciences, 142432 Miass, Russia

---

### Deadline for manuscript submissions

closed (22 March 2023)



## Minerals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.4



[mdpi.com/si/90161](https://mdpi.com/si/90161)

*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), GEOBASE, 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 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).