



Exploration of Polymetallic Nodules

Guest Editors:

Dr. Pedro Madureira

Estrutura de Missão para a
Extensão da Plataforma
Continental (EMEPC), 2770-047
Paço de Arcos, Portugal

Prof. Dr. Tomasz Abramowski

1. General Director of
Interoceanmetal Joint
Organization, Cyryla i Metodego
9, 71-541 Szczecin, Poland
2. Faculty of Navigation, Maritime
University of Szczecin, Wały
Chrobrego 1-2, 70-500 Szczecin,
Poland

Deadline for manuscript
submissions:

closed (31 May 2021)

Message from the Guest Editors

Cobalt, nickel and manganese are considered to be amongst the strategic metals that will play a crucial role in this change. These three metals, plus copper, are found in one promising type of high tonnage mineral deposit: the polymetallic nodules. The nodules are known to occur on the vast abyssal plains at water depths over 4,000 m. Most current exploration activities for these deposits are concentrated in the international seafloor named as “the Area” by the United Nations Convention on the Law of the Sea, where the activities are carried out under the jurisdiction of the International Seabed Authority (ISA).

This Special Issue invites contributions dealing with all scientifically focused aspects of polymetallic nodules exploration activities. Particularly, as Guest Editors we expect to contribute to the scientific discussion on how and if the future exploitation of polymetallic nodules may contribute to minimize impacts that will always exists to support the increase and welfare of the human population.





an Open Access Journal by MDPI

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Geochemistry and Geophysics*) / CiteScore - Q2 (*Geology*)

Contact Us

Minerals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/minerals
minerals@mdpi.com
[X@Minerals_MDPI/](https://twitter.com/Minerals_MDPI/)