



Biogenic Iron and Manganese Minerals

Guest Editor:

Dr. Carolina N. Keim

Microbiology Institute, Federal University of Rio de Janeiro, Av. Carlos Chagas Filho 373, Cidade Universitária, 21941-902 Rio de Janeiro, Brazil

Deadline for manuscript submissions:

closed (5 February 2021)

Message from the Guest Editor

For this Special Issue, we welcome studies on all aspects of biogenic iron and manganese oxides, including crystallography, biomineralization, microbial and chemical dissolution, reactivity, adsorption and desorption of trace elements, and environmental roles. The aim is for this Special Issue to contribute to knowledge of biogenic iron and manganese oxides dynamics in the environment, as well as their effects on metals and nutrients biogeochemical cycles.

- biogenic manganese oxides
- manganese oxide biominerals
- secondary manganese oxides
- manganese nodules
- manganese crusts





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), GEOBASE, GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

Journal Rank: JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (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/)