



Understanding Bacterial Mineralization

Guest Editor:

Dr. Fadwa Jroundi

Department of Microbiology,
Faculty of Sciences, University of
Granada, 18071 Granada, Spain

Deadline for manuscript
submissions:

closed (15 November 2020)

Message from the Guest Editor

Bacterial mineralization or biomineralization is such a wide phenomenon in nature. In this process, bacteria are able to induce the precipitation of minerals, either through highly controlled biomineralization (so-called “biologically controlled biomineralization”) exerting a high control over the whole process or by inducing the precipitation of minerals (so-called “biologically-induced biomineralization”) through processes that involve little control. Bacterial mineralization is attracting an increasing amount of interest when it comes to understanding the mechanisms involved in such a process...This Special Issue on “Understanding Bacterial Mineralization” will focus on recent advances in bacterial mineralization, from the fundamental to the applied science, including different areas, e.g., environmental science, molecular microbiology, and geochemistry. Papers providing experimental data and omics-based studies down to the molecular scale to provide a comprehensive picture of bacterial mineralization process are also welcome.





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/)