

## Special Issue

# Microbialites: Preservation of Extant and Extinct Systems

### Message from the Guest Editors

Microbialites are organosedimentary deposits formed through the mineralization of benthic microbial mats and/or trapping and binding of sedimentary particles. These structures are abundant in modern—sometimes/often extreme—shallow to deep, freshwater to marine environments, and are common in the fossil record. Consequently, microbialites constitute an invaluable archive of Earth's past surface and subsurface conditions. [...] This Special Issue combines research on fossil and modern microbialites with a broad focus including sedimentology, (bio)geochemistry, microbiology, molecular biology, geomicrobiology, ecology and mineralogy. The main objectives are to review recent and ongoing developments in this field in order to: (i) refine the understanding of microbialite formation in modern sedimentary environments to (ii) increase the understanding of (the modalities of their) preservation mechanisms to (iii) ultimately improve the interpretation of the fossil record.

Dr. Raphael Bourillot

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### Guest Editors

Prof. Dr. Emmanuelle Vennin

Prof. Dr. Pieter T. Visscher

Dr. Raphael Bourillot

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### Deadline for manuscript submissions

closed (30 June 2019)



## Minerals

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## 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.

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### Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth,  
Germany

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#### 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).