

Special Issue

Microbialites: Organisms, Processes and Products in Modern and Fossil Ecosystems

Message from the Guest Editors

This Special Issue aspires to take advantage of the recent increase in attention being given to modern and fossil microbialites. Microbialites record the evidence of the evolution of life on Earth (and probably on other planets too), as they preserve the relics of the earliest life-forms, descendants of which continue to dominate the Earth today. Moreover, the micro-organisms involved in their formation have generated significant amounts of biomediated sedimentary deposits, mainly consisting of microbial carbonates. Many methods are used in the study of microbialites, from field-work to textural and nano-structural/compositional analyses, including lab cultures. These researches have the aim of unravelling the complex chemical and physical interactions between: the organic components (bacteria, fungi, viruses, extracellular substances and vesicles) forming the microbial community, the environmental conditions, and the mineral products. Thus, we would like to invite you to submit an article regarding your work, case studies or reviews, on modern or fossil microbialites of any type from marine, terrestrial or subsurface environments.

Guest Editors

Dr. Edoardo Perri

Dipartimento di Biologia, Ecologia e Scienze della Terra, Università della Calabria, Ponte Bucci 15b, Rende, CS, Italy

Prof. Dr. Maurice E. Tucker

School of Earth Sciences, University of Bristol, Bristol BS8 1RJ, UK

Deadline for manuscript submissions

closed (31 October 2018)



Geosciences

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Impact Factor 2.1
CiteScore 5.1



mdpi.com/si/13579

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
geosciences@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. John C. Eichelberger

Alaska Center for Energy and Power, University of Alaska Fairbanks,
Fairbanks, AK, USA

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