



*life*



an Open Access Journal by MDPI

## Advances in Environmental Microbiology

Guest Editors:

**Dr. Shijie Bai**

Institute of Deep-Sea Science  
and Engineering, Chinese  
Academy of Sciences, Sanya  
572000, China

**Dr. Shamik Dasgupta**

Institute of Deep-Sea Science  
and Engineering, Chinese  
Academy of Sciences, Sanya  
572000, China

**Dr. Jiwei Li**

Institute of Deep-Sea Science  
and Engineering, Chinese  
Academy of Sciences, Sanya  
572000, China

Deadline for manuscript  
submissions:

**closed (28 October 2022)**

### Message from the Guest Editors

In the Earth's surface biosphere, microorganisms absorb elements and their compounds (often called minerals) from the medium of their living environment through various physical and biochemical activities, and convert them into energy-yielding compounds. At the same time, they release certain substances back into the natural environment. Environmental microbiology is a rapidly developing field due to the advancements in molecular biology and nucleic acid sequencing. Furthermore, it enhances our understanding of how the physiological potential, metabolic activities, and symbiotic relationships of microorganisms influence the Earth's environments. This Special Issue will focus on the aspects of microbial-mediated global elemental biogeochemical cycles, including terrestrial and marine environments. We invite original scientific articles and reviews encompassing this broad area of research, with topics highlighting microbial communities and their role in influencing the major element (C, N, and S) and metallic cycles.



[mdpi.com/si/100062](https://mdpi.com/si/100062)

**Special** Issue



*life*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Lluís Ribas de Pouplana**

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

## Message from the Editor-in-Chief

*Life* (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

## Author Benefits

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

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPlus / SciFinder](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

## Contact Us

---

*Life* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/life](http://mdpi.com/journal/life)  
[life@mdpi.com](mailto:life@mdpi.com)  
[X@Life\\_MDPI](#)