

## Special Issue

# Advances in Environmental Microbiology

### 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.

### Guest Editors

Dr. Shijie Bai

Dr. Shamik Dasgupta

Dr. Jiwei Li

### Deadline for manuscript submissions

closed (28 October 2022)



## Life

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*Life*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[life@mdpi.com](mailto:life@mdpi.com)

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### 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.

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### 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

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