

Special Issue

Microbes in Global Carbon, Sulfur, and Nitrogen Cycles

Message from the Guest Editor

Our planet is saturated with microbes. Microbes constitute an entire world unseen by the naked eye. However, the processes performed by microbes in this invisible world significantly affect our visible world. These processes include virtually every chemical reaction in the biosphere that constitutes the main biogeochemical cycles (carbon, nitrogen, sulfur). The biodiversity of microorganisms is highlighted, and their metabolic pathways based on exchanges and biotransformation of the elements (carbon, nitrogen, sulfur) within ecosystems need to be discussed. The impacts of human activities on the microbial actors and processes of biogeochemical cycles, as well as the cascading ecological effects (greenhouse gas emissions, acid rains, dystrophic crises, etc.), also need to be discussed.

The processes also involve interactions between organisms, both among microbes and between microbes and large organisms in biogeochemical cycles. These interactions are further affected by changes in climate. Therefore, we need to explore this world, the creatures that inhabit it, and the things they do.

Guest Editor

Dr. Man-Young Jung

Division of Biology Education, Department of Science Education, Jeju National University, Jeju 63243, Korea

Deadline for manuscript submissions

closed (2 September 2022)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4

CiteScore 6.0

Indexed in PubMed



[mdpi.com/si/97822](https://www.mdpi.com/si/97822)

Life

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

life@mdpi.com

[mdpi.com/journal/life](https://www.mdpi.com/journal/life)

[life](https://www.mdpi.com/journal/life)





Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



[mdpi.com/journal/
life](http://mdpi.com/journal/life)

About the Journal

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.

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

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, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

