

Special Issue

Applied Microbiome Science and Technology

Message from the Guest Editor

The microbiome represents the entire collection of microbes that play a critical role in the host–environment complex. Investigating the interactions between the microbiome, host, and environment and their impact on host biological mechanisms reveals new pathways or indications for monitoring health and disease. These new pathways can largely expand the big data obtained from the microbiome. In this Special Issue, we aim to collect the most recent insights in applied microbiome science and technology. We welcome all types of manuscript, including original articles, reviews, and editorials, addressing one or more of the following objectives:

- New pathways in the microbiome–host–environment complex;
- Remote diagnostics for humans (such as telemedicine), plants, or environments;
- Digital therapeutics for the health of humans, plants, or environments.

Guest Editor

Prof. Dr. Eric (Chun-Ming) Huang

Department of Biomedical Sciences and Engineering, National Central University, Taoyuan 32001, Taiwan

Deadline for manuscript submissions

closed (31 March 2025)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/156701

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

[mdpi.com/journal/
microorganisms](https://mdpi.com/journal/microorganisms)





Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



[mdpi.com/journal/
microorganisms](https://mdpi.com/journal/microorganisms)



About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).