

# Special Issue

## Microbiota: From the Environment to Humans, 2nd Edition

### Message from the Guest Editor

Microbiomes are the genomes associated with these microbial communities, and the metaproteome is the whole proteome expressed by these genomes. Thanks to the “omic” technologies, it is now possible to investigate both the genetic traits and the biological functions expressed by these complex microbial systems. Although the relationship between the host’s characteristics and its associated microbial communities has been extensively studied, the effects of one on the other are largely unknown. The aim of this Special Issue is to provide an overview of the significance of microbial community fluxes from natural and built environments to humans, microbial community fluxes across foods, the effects of microbiota on host biology, and the integrated functions operating inside the holobiont.

### Guest Editor

Dr. Elisa Bona

Dipartimento per lo Sviluppo Sostenibile e la Transizione Ecologica,  
Università del Piemonte Orientale, 13100 Vercelli, Italy

### Deadline for manuscript submissions

closed (30 September 2025)



## Microorganisms

---

an Open Access Journal  
by MDPI

---

**Impact Factor 4.2**  
**CiteScore 7.7**  
**Indexed in PubMed**



[mdpi.com/si/160179](https://mdpi.com/si/160179)

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