

Special Issue

Multi-Omics Approaches in Microbial Research

Message from the Guest Editor

Multi-omics approaches utilize a combined set of omics analyses (including genomics, transcriptomics, proteomics, and metabolomics) for the same experiment or group of samples. Advances in high-throughput sequencing of microbiomes, together with the development of novel bioinformatics tools to efficiently associate the results of several omics data, have become increasingly significant in microbial research. An important challenge in microbial research is how to translate multi-omics measurements into biological insights. This Special Issue welcomes seminal articles on Multi-omics Approaches in Microbial Research for the identification of health, ecological, and biotechnological associations. Multi-omics approaches considering both community and single-cell metagenomics are welcome. This SI is open to original research articles and reviews covering multi-omics approaches on all sorts of microorganisms and microbial communities. Strong methodological articles are also welcome but must be accompanied by a compelling example or case study to demonstrate their applicability in microbial research.

Guest Editor

Dr. Pere Puigbò

1. Department of Biology, University of Turku, 20500 Turku, Finland
2. Department of Biochemistry and Biotechnology, Rovira i Virgili University, 43007 Tarragona, Spain
3. Nutrition and Health Unit, Eurecat Technology Centre of Catalonia, 43204 Reus, Spain

Deadline for manuscript submissions

closed (30 June 2023)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/145750

Microorganisms
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 4.1
CiteScore 7.4
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 - Q2 (Microbiology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 11.7 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2024).