

Special Issue

Microbial Ecology of Soil Microorganisms, Networks with Plants and Ecosystem Services

Message from the Guest Editors

This Special Issue seeks to explore the multifaceted world of soil microorganisms and their interactions with plants and the broader ecosystem, including:

Plant–microbe interactions: investigating the molecular and ecological mechanisms governing the plant–soil microbial interactions and their implications for plant health and productivity;

Microbial diversity and community dynamics: exploring the factors that shape the microbial community structure in soil and how these communities respond to environmental changes;

Ecosystem services: assessing the contributions of soil microorganisms to ecosystem services, including nutrient cycling, disease suppression and soil fertility;

Emerging technologies: highlighting innovative technologies and approaches for studying soil microorganisms and their roles in ecosystem functioning.

We eagerly await your contributions and the opportunity to collaborate in advancing our knowledge of this vital aspect of ecology. Keywords: soil microorganisms; ecosystems; plant–microbe interactions; microbial diversity

Guest Editors

Prof. Dr. Nelson Marmioli

National Interuniversity Consortium for the Environmental Sciences (CINSA), University of Parma, Parma, Italy

Dr. Luca Pagano

National Interuniversity Consortium for the Environmental Sciences (CINSA), University of Parma, Parma, Italy

Deadline for manuscript submissions

closed (15 May 2024)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/189659

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).