

Special Issue

Plant–Microbe Interactions Revisited: Emerging Concepts and Biotechnological Innovations

Message from the Guest Editor

The Special Issue aims to attract pertinent, cutting-edge studies that showcase current progress in the research of plant and microbial interactions and bridge knowledge gaps. Research articles, review articles, and short communications that cover all aspects of research relating to plant and microbial interactions, innovative biotechnologies, recent advances, and future potential/scope, are welcome. Research focusing on plant-associated microbiomes is important and especially invited. Some of the focal points of this Special Issue on plant–microbe interactions include, but are not limited to, the following:

- Advanced biotechnologies;
- Bioinformatics;
- Endophytes;
- Mycorrhizae;
- Omics technologies;
- Pathogenesis;
- Plant microbiome;
- Stress biology;
- Symbiosis;
- Synthetic biology;
- Sustainable Development Goals (SDGs).

I look forward to receiving your contributions.

Guest Editor

Dr. Pragya Tiwari

Research Professor, Department of Biotechnology, Yeungnam University, Gyeongsan, Gyeongbuk, Republic of Korea

Deadline for manuscript submissions

closed (10 September 2025)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/219859

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 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).