

Special Issue

Microorganisms in Agriculture, 2nd Edition

Message from the Guest Editor

This Special Issue invites submissions of original research, reviews, and perspectives. Topics of interest include, but are not limited to, the following areas of microbial applications in agriculture:

- **Crop–Microbe Interactions:** Studies on symbiotic and pathogenic relationships, such as mycorrhizal associations, nitrogen-fixing bacteria, and biocontrol of plant pathogens.
- **Microbial Biostimulants and Biofertilizers:** Development of microbial formulations to enhance crop growth, nutrient uptake, stress tolerance, and productivity in sustainable agriculture.
- **Microbial Control of Crop Diseases:** Research on the mechanisms of microbial biocontrol agents against phytopathogens and novel strategies for eco-friendly disease management.
- **Microbial Bioremediation:** Use of microorganisms to degrade pollutants, detoxify soils, and mitigate environmental contamination in agricultural settings.
- **Microbial Diversity and Functional Genomics:** Application of molecular and omics approaches to characterize microbial communities, identify functional genes, and map relevant metabolic pathways.

Guest Editor

Dr. Wen-Ching Chen

International Bachelor Program in Agribusiness, College of Agriculture and Natural Resources, National Chung Hsing University, Taichung 40227, Taiwan

Deadline for manuscript submissions

closed (31 March 2026)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.7
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/229515

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 4.7
CiteScore 8.2
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 Systems Biology, 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 (Virology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2026).