

# Special Issue

## Effect of Microbial Communities for Environmental Protection and Development of Agriculture

### Message from the Guest Editor

This Special Issue is important for environmental protection and agriculture potentiation based on microbial engineering. Novel approaches for applying microbes to the bioremediation of environments, prevention of pollution, and enhancement of agricultural activity deserve an important spotlight, which we aim to provide. This Special Issue gathers contributions on the following topics:

- Novel techniques for the bioremediation of environmental pollution in the environment;
- The effects of pollutants on environmental microbial communities and the adaptation process of microbes to environmental stresses of pollution;
- The use of microbial communities to increase agricultural yield and quality;
- The use of microorganisms for the protection of plants in agricultural fields against biotic and abiotic stresses;
- Regional applications of environmental engineering strategies based on microbial communities.

---

### Guest Editor

Dr. Alejandro Rodriguez-Sanchez  
Institute of Water research, University of Granada, Granada, Spain

---

### Deadline for manuscript submissions

closed (28 February 2025)



**Microorganisms**

---

an Open Access Journal  
by MDPI

---

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



[mdpi.com/si/190236](https://mdpi.com/si/190236)

*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, 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).