# **Special Issue**

# Microbial Solutions for Sustainable Resource Recovery and Environmental Remediation

### Message from the Guest Editor

This Special Issue focuses on the role of microorganisms in advancing sustainable solutions for resource recovery and environmental restoration. It highlights cutting-edge research exploring microbial-driven processes for recovering valuable resources (e.g., metals, nutrients, bioenergy) from waste streams, as well as bioremediation strategies to mitigate pollution in soil, water, and air. We invite contributions on topics including but not limited to:

- Bioleaching and metal recovery;
- Microbial degradation of pollutants;
- Waste treatment and resource utilization:
- Cross-disciplinary innovations in environmental microbiology;
- Microbial resource recovery:
- Environmental bioremediation:
- Bioenergy production and nutrient recycling;
- Sustainable bioprocesses and circular economy solutions;
- Applications of synthetic biology and systems biology in environmental sustainability.

#### **Guest Editor**

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### Deadline for manuscript submissions

31 August 2025



# Microorganisms

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## **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

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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).

