

# Special Issue

## Halophilic Microorganisms, 3rd Edition

### Message from the Guest Editor

Halophiles are microorganisms adapted for living at hypersaline environments and other saline products. Most of them belong to the bacteria and archaea domains, and their interest is of special relevance both for their adaptation mechanisms to extreme conditions and for their potential biotechnological applications. In recent years, the isolation and taxonomic characterization of halophiles have allowed us to learn more in detail about their heterogeneity, their metabolic and physiological diversity, or ecological distribution and biodiversity. Culture-independent techniques, such as metagenomics and -omics studies, are particularly providing an incentive these studies on halophiles to continue, as there is still an immense field to explore in this regard. In this Special Issue of *Microorganisms*, you are invited to send contributions (original articles as well as reviews) concerning the biology, taxonomy, biodiversity, and biotechnological applications of halophilic microorganisms, as well as using genomic and metagenomic approaches to study microbial communities.

### Guest Editor

Prof. Dr. Cristina Sánchez-Porro

Microbiology and Parasitology, University of Sevilla, Sevilla, Spain

### Deadline for manuscript submissions

closed (30 June 2025)



## Microorganisms

an Open Access Journal  
by MDPI

Impact Factor 4.2  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/227344](https://mdpi.com/si/227344)

*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 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).