

# Special Issue

## Genomics and Metabolomics of Cyanobacteria

### Message from the Guest Editors

Cyanobacteria are among the most ancient organisms on Earth that have unique adaptive abilities. They inhabit various ecological niches (marine and fresh water, geothermal springs, soils, hot deserts, volcanic craters, and polar glaciers) and are believed to owe their survival to unusual genetic adaptations that allow them to thrive in different environmental conditions. Their widespread distribution is also due to the various secondary metabolites produced by the cyanobacterial strains, some of which are toxic and others help to form symbiotic associations with other groups of organisms. In recent years, there has been increased scientific interest in the different adaptation mechanisms, secondary metabolites and application of Cyanobacteria.

The aim of this Special Issue is to expand the current knowledge on the genomics and metabolomics of Cyanobacteria. We welcome the submission of original research articles, reviews, or short communications related to the structure, function, or evolution of the cyanobacterial genome, specific metabolites, biomarkers, adaptive mechanisms, and symbiotic relationships.

---

### Guest Editors

Dr. Ivanka Teneva

Faculty of Biology, University of Plovdiv "Paisii Hilendarski", 24 Tsar Assen Str., 4000 Plovdiv, Bulgaria

Dr. Dzhemal Moten

Faculty of Biology, University of Plovdiv "Paisii Hilendarski", 24 Tsar Assen Str., 4000 Plovdiv, Bulgaria

---

### Deadline for manuscript submissions

closed (15 January 2024)



## Microorganisms

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/150093](https://mdpi.com/si/150093)

*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).