

# Special Issue

## Bacterial Engineering and Metabolism Regulation

### Message from the Guest Editors

Bacteria are the most widely distributed living organisms on the planet with various and complex metabolic mechanisms which play vital roles in the environment, human health, food, industry, and many other areas.

Various techniques have been developed for the regulation of the bacterial metabolism and the exploration of its mechanism, including transcriptomic methods, proteomics, metabolomics, adaptive evolution, gene editing, and so on. The aim of this Special Issue of *Microorganisms* is to present a collection of articles related to regulation of the bacterial metabolism and bacterial engineering (both basic and applied research). As a of this Special Issue, I invite you to submit research articles, review articles, and short communications. The topics of interest for this Special Issue include, but are not limited to, the following: bacteria metabolic engineering, bacteria regulation mechanisms, transcription factor, gene editing, strain construction and optimization, the production of high-value compounds, and new methods or techniques for bacteria engineering and regulation exploration.

### Guest Editors

Prof. Dr. Guang Zhao

State Key Laboratory of Microbial Technology, Shandong University, Qingdao 266237, China

Dr. Jichao Wang

State Key Laboratory of Microbial Technology, Shandong University, Qingdao 266237, China

### Deadline for manuscript submissions

closed (30 April 2024)



## Microorganisms

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.4  
Indexed in PubMed



[mdpi.com/si/158202](https://mdpi.com/si/158202)

*Microorganisms*

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 4.1  
CiteScore 7.4  
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, CAPlus / SciFinder, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q2 (Microbiology)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 13.4 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 2024).