



Bacterial Engineering and Metabolism Regulation

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)

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 Guest Editor 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.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular
Toxicology, UFZ-Helmholtz
Centre for Environmental
Research, 04318 Leipzig,
Germany

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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))

Contact Us

Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/microorganisms
microorganisms@mdpi.com
X@Micro_MDPI