



## Gut Microbiota and Precise Modulation

Guest Editor:

**Dr. Yongjun Wei**

School of Pharmaceutical  
Sciences, Zhengzhou University,  
Zhengzhou 450001, China

Deadline for manuscript  
submissions:

**closed (15 June 2024)**

### Message from the Guest Editor

The gut microbiota plays a critical role in maintaining human health. Understanding an individual's gut microbiota can provide insights into key taxonomic groups and potential diseases associated with the gut microbiota. Analyzing the gut microbiota of a cohort can help identify the distribution and variation of microbes related to human health. Probiotics can be used to modulate the gut microbiota, and studying the composition of probiotics in different individuals can not only reveal their health status but also provide information on which probiotics have colonized their gut microbiota. Based on this information, proper prebiotics can be supplemented to support the growth of personal probiotics, and specific probiotics can be provided to enhance the colonization of individual probiotics in the gut microbiota. To provide precise recommendations for personal gut microbiota modulation, further research and development are needed in the application of microbiome and synthetic probiotics.





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Nico Jehmlich

Department of Molecular  
Systems Biology, 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 - Q2 (*Microbiology*)

## Contact Us

---

*Microorganisms* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

mdpi.com/journal/microorganisms  
microorganisms@mdpi.com  
X@Micro\_MDPI