



Gastrointestinal Fermentation and Microbiota

Guest Editors:

Prof. Dr. Hucheng Wang

College of Pastoral Agriculture
Science and Technology,
Lanzhou University, Lanzhou
730030, China

Prof. Dr. Guo Yang

1. Chinese Academy of Sciences,
Lanzhou, China
2. Key Laboratory of Stress
Physiology and Ecology,
Lanzhou, China

Prof. Dr. Shengguo Zhao

College of Animal Science and
Technology/Gansu Key
Laboratory of Herbivorous
Animal Biotechnology, Gansu
Agricultural University, Lanzhou
730070, China

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Message from the Guest Editors

The gastrointestinal tract, the place in which organisms digest and utilise food, contains an abundance of microorganisms. In recent decades, the assessment of microbial function in the gastrointestinal tract has increased due to the widespread use of high-throughput sequencing technologies. However, the specificity of the environment in which the microorganisms live makes artificial culture more difficult, and further research for specific strains is limited. The combination of advanced -omics techniques with classical biochemistry and microbiology methods contribute to high-resolution characterization of the gastrointestinal microbiome as well as to understanding its relationship with fermentation performance. Moreover, these studies can reveal the health mechanism of microorganisms and hosts and provide theoretical and technical support for the development and utilization of environment-friendly microecological agents.

For this Special Issue, we invite you to submit relevant contributions on the fermentation properties and microbial diversity found in the gastrointestinal tract of any living organism, or the potential of the bacteria, archaea, or eukaryotes that inhabit it.





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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.

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Contact Us

Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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