



## Shaping the Future of Probiotics: Novel Methodologies, Applications, and Mechanisms of Action

Guest Editor:

**Dr. Alex Galanis**

Department of Molecular Biology  
and Genetics, Faculty of Health  
Sciences, Democritus University  
of Thrace, 68100  
Alexandroupolis, Greece

Deadline for manuscript  
submissions:

**closed (28 February 2023)**

### Message from the Guest Editor

Probiotics are defined as live microorganisms with health promoting properties. Their beneficial activities may include anti-inflammatory, immunostimulatory, antioxidant, antimicrobial and antibiofilm actions, that can be exerted in a strain-specific manner. As Guest Editor of this Special Issue, I would like to invite you to submit original research articles, review articles, and short communications dealing with different aspects of probiotic activity, novel methodologies to study probiotic-host interactions, probiotic-related health benefits, as well as innovative applications of probiotics in the food and pharmaceutical industries.





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 (medical)*)

## 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