

# Special Issue

## Shaping the Future of Probiotics: Novel Methodologies, Applications, and Mechanisms of Action, 2nd Edition

### Message from the Guest Editor

This Special Issue is the continuation of our previous special issue "Shaping the Future of Probiotics: Novel Methodologies, Applications, and Mechanisms of Action". 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 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.

### Guest Editor

Dr. Alex Galanis

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### Deadline for manuscript submissions

closed (30 June 2025)



**Microorganisms**

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## 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.

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### Editor-in-Chief

Dr. Nico Jehmlich

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