

Special Issue

Probiotics, Prebiotics, and Gut Microbes

Message from the Guest Editor

Probiotics (live beneficial microbes) have been shown to provide numerous benefits for digestion, immunity, and nutrient absorption. Similarly, prebiotics, which are non-digestible fibers found in certain foods, act as nourishment for beneficial gut microbes, promoting their growth and enhancing gut health. Thus, the study of probiotics, prebiotics, and other gut microbes have become rather crucial. This Special Issue aims to collate papers that highlight the significance of maintaining a balanced gut microbiome for improvement in overall health. We invite authors to submit manuscripts on topics such as the mechanisms of action of probiotics and prebiotics, their specific health benefits, their potential applications in clinical settings, the role of gut microbiome in modulating immune response and inflammation, and the complex interplay between gut microbes and overall immune system function.

Guest Editor

Dr. Oleg Paliy

Department of Biochemistry and Molecular Biology, Wright State University, 260 Diggs Laboratory, 3640 Colonel Glenn Hwy, Dayton, OH 45435, USA

Deadline for manuscript submissions

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

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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.

Editor-in-Chief

Dr. Nico Jehmlich

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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).