

Special Issue

Clinical Applications and Validation of Probiotics: Exploring Therapeutic and Preventive Potential Across Diverse Medical Conditions

Message from the Guest Editors

Probiotics have gained increasing attention for their role in and restoration of a healthy microbiota, which is crucial for overall health. This Special Issue of *Microorganisms* focuses on the use of probiotics in various clinical settings, with particular attention being paid to their role in the prevention and treatment of diverse diseases, including neuropsychiatric, autoimmune, metabolic, and gastrointestinal disorders. The selection of probiotic strains is critical, as specific bacterial characteristics and properties must be tailored to address distinct clinical needs. This Special Issue aims to showcase recent advances in the clinical validation of probiotic formulations and explore how novel probiotic blends can be integrated into therapeutic and preventive practices. By highlighting clinical studies and real-world applications, this issue seeks to provide valuable insights into the potential of probiotics as an adjunct or alternative approach in managing a wide array of medical conditions.

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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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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).