

Special Issue

Probiotic Applications in Aquaculture

Message from the Guest Editors

The rising demand for sustainable aquaculture practices has highlighted the need for innovative and environmentally friendly solutions to enhance aquatic health, productivity, and resilience. One such promising approach is the application of probiotics in aquaculture. This Special Issue focuses on the diverse applications of probiotics in aquaculture, while addressing the critical challenges and opportunities for sustainable development in this sector. It brings together cutting-edge research and reviews that explore the mechanisms by which probiotics exert their beneficial effects on aquaculture animals. Topics covered include the role of probiotics in modulating the gut microbiota, enhancing nutrient absorption, improving stress tolerance, and reducing reliance on antibiotics and chemicals. This Special Issue aims to provide a comprehensive overview of the current state and future prospects of probiotic use in aquaculture. The ultimate goal is to promote the development of more sustainable and eco-friendly aquaculture practices, in line with global efforts to reduce environmental impacts and improve food security. We look forward to receiving your contributions.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Microbiology Research (ISSN 2026-7481) is an international, scientific, open access journal primarily focused on research examining the complex interplay among microorganisms and citizens, animals and the environment in a holistic one-health approach. The topics covered in the journal include, but are not limited to: Antibacterials and antimicrobials, Virology, Bacteriology, Microbiomes, Veterinary microbiology, Food microbiology, Agricultural microbiology, Yeast microbiology, Foodborne diseases, Infectious diseases, Fungal diseases. We would also like to include the topics from basic and translational medicine which aim to develop an understanding and treatment of major diseases in humans and animals.

Editor-in-Chief

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