



Development of Functional Probiotics and Advances in Biotechnology

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Message from the Guest Editors

Probiotics are live microorganisms that can improve gut health by promoting the growth of beneficial bacteria in the gut microbiome, which is crucial for maintaining a healthy immune system and overall wellbeing. The research field of functional probiotics has rapidly evolved in recent years with the increasing demand for functional foods and personalized nutrition for specific health benefits and the potential for large-scale production. Biotechnology has played a critical role in advancing probiotic research, enabling the development of new strains with improved functionality and efficacy.

Topics include, but are not limited to:

1. Isolation, characterization, and analysis of any potential probiotic
2. Innovative techniques for improving the function/efficacy of probiotics.
3. Therapeutic implications of genetically engineered probiotics.
4. The effects of functional probiotics on the immune system and overall well-being.
5. The use of bioreactors for the large-scale production of probiotics.
6. Processing and storage of functional probiotics.





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Message from the Editor-in-Chief

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