



Lactic Acid Bacteria in Food Fermentation and Biotechnology

Guest Editor:

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Message from the Guest Editor

The aim of this Special Issue is to create a collection of articles that improve our understanding, update current knowledge, and identify research gaps regarding the use of lactic acid bacteria in food fermentation and biotechnology. Research areas may include (but not limited to) the following:

Deadline for manuscript
submissions:

15 November 2024

- Starter Cultures and Fermentation Processes: Advances in the selection, optimization, and application of lactic acid bacteria as starter cultures in various food fermentation processes;
- Metabolic Diversity and Pathways: Exploration of the metabolic diversity and pathways of lactic acid bacteria;
- Biotechnological Applications: Innovative biotechnological applications of lactic acid bacteria;
- Health Benefits and Functional Properties: Research on the health-promoting properties and functional benefits of lactic acid bacteria, including their role in gut health, immunity, and disease prevention;
- Genomics, Proteomics, Metabolomics, and Systems Biology: Insights from genomics, proteomics, metabolomics, and systems biology approaches to unravel the genetic, molecular, and physiological mechanisms underlying the functional properties of lactic acid bacteria.





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Message from the Editor-in-Chief

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