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Microbial and Emerging Technologies as Alternatives to Enhance Processes in a Sustainable Food Supply Chain

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Message from the Guest Editors

This Special Issue delves into the utilization of microbial technologies and alternative methods as emerging technologies that can enhance food processing within sustainable food supply chains. It emphasizes the integration of innovative techniques to advance practices in food and fermented food production, aligning with the sustainable development goals of the food sector.

This publication seeks to highlight the synergy between advanced microbiology techniques, omics technologies, and other emerging technologies to discover new solutions and methods for sustainable food and fermented food production. Additionally, this Special Issue will explore the genetic and phenotypic characteristics of microorganisms, particularly bacteria and yeasts, as well as new technologies that can impact the safety and quality of food, promising significant technological advancements in sustainable food systems.

We aim to update and discuss results from culturing, predictive models, technology comparisons, genomics, transcriptomics, metagenomics, and metatranscriptomics. And we hope to contribute new trends to be considered in the implementation of sustainability in food industry supply chains.



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Special Issue



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Message from the Editor-in-Chief

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