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Food Fermentation Strains: Physiology, Metabolic Characteristics and Application

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Message from the Guest Editor

Dear Colleagues,

Food microorganisms, from bacteria to fungi, are broadly involved in the food industry, and they can secrete various bioactive substances, such as functional components, antimicrobial ingredients and enzymes. In addition, more and more food microorganisms are being modified to produce various food components by cutting-edge food synthetic biology. The physiology and metabolic characteristics of food microorganisms are responsible for their application. Therefore, the Special Issue ocused on the physiology, metabolic characteristics and creative application of food microorganisms. It will provide an overview of the current status and future perspectives of food microorganisms.

Potential topics include, but are not limited to, the following:

- Physiology, biochemistry, and genetics of food microorganisms;
- Bioactive substances from food microorganisms;
- Food fermentation strains;
- Food probiotics application;
- Food synthetic biology;
- Food microbial cell factories.



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This Special Issue will include a selection of recent research and current review articles about the physiology, metabolic characteristics and creative application of food microorganisms.

Special Issue



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Message from the Editor-in-Chief

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