Special Issue

Applications of Microbial Fermentation in Food Production

Message from the Guest Editor

Fermentation has a long history and has been used for food production and preservation across the world for thousands of years. The microbial ecology in fermented foods changes under the effect of external factors, resulting in the production of distinct microbial metabolites. These metabolites play an important role in the formation of the desired texture, taste, flavor, and health benefits of many fermented food products. This Special Issue aims to collect original research and review articles assessing all aspects related to the microbial ecology of fermented foods and beverages (e.g., Chinese rice wine, fruit wine, cheese, soy sauce, vinegar, ham, etc.) and their micro-communities, quality control indicators and flavor compounds, as well as the potential hazards during the fermentation of food.

Keywords:
- fermentation
- microbial communities
- bioinformatical analysis
- physicochemical properties
- microbial interaction
- microbial metabolites
- fermentation process
- photocatalysis
- biogenic amines
- flavor compounds
- core bacteria
- emulsion

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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