Special Issue

Effect of Microbial Fermentation on Alternative Matrices and By-Products

Message from the Guest Editors

The exploitation of innovative fermentation bioprocesses that include alternative ingredients, by-products, and waste derived from the agrifood sector often starts with the characterization of the associated matrices and their microbiota. The fermentation performances and enzymatic activities of potential starters, the synthesis of functional compounds, the degradation of antinutritional factors and the improvement of quality are part of the strategy that led to the formulation of new food ingredients and products. The aim of this Special Issue is to bring together original research articles and systematic reviews that focus on the valorization of alternative food matrices, by-products, and waste obtained through fermentation. In particular, the topics of this Special Issue include, but are not limited to, the set-up of new biotechnological processes, the characterization of the microbial community or starters involved in fermentation processes, and the characterization of the products obtained.

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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