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Microbial Metabolic Pathways and the “Fermented Plant Foods – Human Health” Axis

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Message from the Guest Editors

The Issue aims to build a platform to discuss the multitude of microbial metabolic pathways that may affect the health-promoting properties of plant-based foods during fermentative process. Fermentations may lead to significant changes in the health-promoting features of fruit- and vegetable-based foods and beverages. Lactic acid fermentation is the most widespread and represents an established biotechnological tool. Nevertheless, the functionality of the most representative microbial groups involved in plant fermentations deserves to be further exploited to increase the level of bioactive compounds or to decrease that of antinutritional factors during fermentation. The exploitation of microbial metabolic pathways along the “fermented plant foods–human health” axis is linked to food products innovation, which is approaching novel formulations based on natural ingredients or food industry by-products as functional ingredients.

We would like to invite you to contribute with original research and review papers addressing latest findings on the functional exploitation of microbial metabolic pathways during fruit and vegetable fermentation.



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Special Issue



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Message from the Editor-in-Chief

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