

Special Issue

Fermented Food and Health Benefits

Message from the Guest Editor

Fermentation has been utilized to modify and produce foods for thousands of years, offering both preservation and enhanced flavor profiles. Humans quickly discovered that storing foods under certain conditions led to desirable changes, making them tastier and longer-lasting. The microbial and enzymatic actions responsible for these biochemical changes not only improve the sensory characteristics, digestibility, and nutrient content of fermented foods, but also provide numerous health-promoting effects, often attributed to bioactive molecules synthesized during the microbial degradation of proteins and carbohydrates. Fermented foods can play a pivotal role in supporting gut microbial diversity by introducing and maintaining complex microbial communities. This is essential for preserving gut health, contributing to overall well-being, reducing the global rise of chronic diseases, and increasing resistance to pathogen infections in populations. In recent years, their popularity has surged, largely due to their recognized health benefits. This growing interest highlights the importance of promoting the development and dissemination of fermented products

Guest Editor

Dr. Maria Luisa Savo Sardaro

Department of Anthropology, Northwestern University, 1810 Hinman Avenue, Evanston, IL 60208, USA

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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