

Special Issue

Fermented Foods and Gut Microbiome

Message from the Guest Editors

Fermented foods are the result of the metabolic activity of a complex microbiota, consisting of the indigenous microorganisms naturally associated with the raw materials, and/or selected microorganisms (bacteria, yeasts) inoculated as starter cultures. The study of the microbial ecology of naturally fermented foods and the identification of microbial diversity using metagenomic approaches are of interest. Metabolomic and proteomic approaches are also important to study the physiology and genetics of microorganisms.

We invite researchers to contribute original research articles related but not restricted to:

1. Microbial diversity and the beneficial role of naturally fermented foods in human health;
2. Development of new cultures with functional properties to be applied in food production;
3. Functional foods and their effect on intestinal microbiota;
4. Microbial interactions between food and gut microbiota;
5. Physiology and genetics of functional microorganisms –metabolomic and proteomic approaches.

Guest Editors

Dr. Anthoula A. Argyri

Institute of Technology of Agricultural Products, Hellenic Agricultural Organization-DEMETER, Sof. Venizelou 1, 14123 Lycovrissi Attica, Greece

Dr. Chrysoula Tassou

Hellenic Agricultural Organisation-DEMETER Institute of Technology of Agricultural Products Sofokli Venizelou 1, Lycovrissi, 14123 Attica, Greece

Deadline for manuscript submissions

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

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About the Journal

Message from the Editor-in-Chief

Welcome to a new open access journal, Fermentation, which meets the growing need for a high quality peerreviewed international journal with easy access to all researchers globally. We hope that you will share our enthusiasm for this new journal and look forward to working with you to make Fermentation a leader in its field. Your contributions are vital for the success of this new journal. Proposals for editing a special issue for a particular topical area are always welcome.

Editor-in-Chief

Prof. Dr. Christian Kennes
Department of Chemical Engineering, Faculty of Sciences, University of
La Coruña, La Coruña, Spain

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).