



foods



an Open Access Journal by MDPI

Food Fermentation Strains: Physiology, Metabolic Characteristics and Application

Guest Editor:

Dr. Xuetuan Wei

Key Laboratory of Environment
Correlative Dietology (Ministry of
Education), College of Food
Science and Technology,
Huazhong Agricultural University,
Wuhan 430070, China

Deadline for manuscript
submissions:

closed (10 January 2025)

Message from the Guest Editor

Dear Colleagues,

Food microorganisms, from bacteria to fungi, are broadly involved in the food industry, and they can secrete various bioactive substances, such as functional components, antimicrobial ingredients and enzymes. In addition, more and more food microorganisms are being modified to produce various food components by cutting-edge food synthetic biology. The physiology and metabolic characteristics of food microorganisms are responsible for their application. Therefore, the Special Issue ocused on the physiology, metabolic characteristics and creative application of food microorganisms. It will provide an overview of the current status and future perspectives of food microorganisms.

Potential topics include, but are not limited to, the following:

Physiology, biochemistry, and genetics of food microorganisms;
Bioactive substances from food microorganisms;
Food fermentation strains;
Food probiotics application;
Food synthetic biology;
Food microbial cell factories.

This Special Issue will include a selection of recent research and current review articles about the physiology, metabolic characteristics and creative application of food microorganisms.

Special Issue



mdpi.com/si/154147



foods



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN 47907, USA

2. Department of Comparative
Pathobiology, Purdue University,
West Lafayette, IN 47907, USA

Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [FSTA](#), [AGRIS](#), [PubAg](#), and [other databases](#).

Journal Rank: JCR - Q1 (Food Science and Technology) / CiteScore - Q1 (Health Professions (miscellaneous))

Contact Us

Foods Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/foods
foods@mdpi.com
[X@Foods_MDPI](https://twitter.com/Foods_MDPI)