

## Special Issue

# The Relationship Between Microbial Community Structure and Quality Formation During Food Fermentation Process

### Message from the Guest Editors

Food fermentation is a major process in food processing, and many food products can be obtained through this process. Fermentation not only changes the physical properties of the original food material, but it is also an important process for the formation of food qualities such as nutritional composition and flavor. The aim of this Special Issue of *Foods* is to investigate the relationship between the microbial community structure and the product quality following fermentation. Studies investigating the microbial community structure and its changes not only in different food fermentation processes but also in correlation with food substrates are of great interest. In particular, it focuses on scientific issues such as the following: the microbiota and food nutrition; the microbiota and flavor; and the interconnections between different omics studies. This Special Issue welcomes original research articles and reviews on studies that address the above scientific questions or research methodologies. Clear and concisely written manuscripts are highly desirable and appreciated.

---

### Guest Editors

Dr. Liang Dong

School of Food Science and Technology, Dalian Polytechnic University, Dalian 116034, China

Dr. Chaofan Ji

School of Food Science and Technology, Dalian Polytechnic University, Dalian 116034, China

---

### Deadline for manuscript submissions

31 October 2025



## Foods

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.1  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/si/219704](https://mdpi.com/si/219704)

*Foods*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

[foods@mdpi.com](mailto:foods@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[foods](https://mdpi.com/journal/foods)





# Foods

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.1  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/journal/  
foods](https://mdpi.com/journal/foods)



## About the Journal

### 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.

---

### 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

---

### Author Benefits

#### 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))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).