



*foods*



an Open Access Journal by MDPI

## Influence of Diet on Intestinal Ecology

Guest Editors:

**Dr. Linshu Liu**

Eastern Regional Research  
Center, Agricultural Research  
Service, United States  
Department of Agriculture, 600 E.  
Mermaid Lane, Wyndmoor, PA  
19038, USA

**Dr. Jenni Ann Firman**

Dairy and Functional Foods  
Research, USDA ARS Eastern  
Regional Research Center,  
Wyndmoor, PA, USA

**Dr. Michael Tunick**

Department of Food & Hospitality  
Management, College of Nursing  
& Health Professions, Drexel  
University, Philadelphia, PA, USA

Deadline for manuscript  
submissions:

**closed (20 May 2024)**

### Message from the Guest Editors

Dear Colleagues,

Research continues to demonstrate the importance of gut microbiota in human health through the breakdown of nutritional components in the gastrointestinal tract and the release of bioactive metabolites that have a global effect on the human body. This makes the gut microbiota a unique therapeutic target. The ability to exert healthy changes to the gut microbiota through the delivery of functional foods, probiotics has been well studied. Scientists continue to develop novel food products that can benefit human health via the gut microbiota. Key to these achievements is a deep understanding of how each food may affect the gut microbiota community structure and function, and, how the gut microbiota may convert these foods, or food components, into metabolites that will benefit the host. Current research is focusing on defining these interactions. The more that is uncovered, the better equipped we will be to develop functional foods or bioactive ingredients that have the potential to improve human health, ameliorate disease symptoms, or prevent the development of disease on a global scale.

Dr. Linshu Liu

Dr. Jenni Ann Firman

Dr. Michael Tunick

Guest Editors



[mdpi.com/si/138068](https://mdpi.com/si/138068)

# Special Issue



*foods*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Arun K. Bhunia**

Department of Food Science,  
Department of Comparative  
Pathobiology (Courtesy), Purdue  
University, West Lafayette, IN,  
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](http://www.mdpi.com)

[mdpi.com/journal/foods](http://mdpi.com/journal/foods)  
[foods@mdpi.com](mailto:foods@mdpi.com)  
[X@Foods\\_MDPI](https://twitter.com/Foods_MDPI)