

Special Issue

Foodomics Approaches— Technologies and Their Applications

Message from the Guest Editors

Foodomics is a comprehensive, high-throughput *tool facilitating* food science to improve human nutrition. This new approach to food and nutrition studies the food domain as a whole, alongside the nutrition domain, achieving the main objective of optimizing human health and well-being. Thus, it provides valuable insights into food safety, quality control, and authenticity, enabling better regulatory practices and ensuring consumer trust. In recent years, the applications of foodomics span the food system, from production, processing, distribution, and storage (food authenticity, traceability, and safety) to consumption, including dietary guidelines and the emerging field of precision nutrition. Specifically, NMR-based and MS-based metabolomic approaches have been applied to study food at the molecular level and advance nutritional food research by controlling food quality and safety, identifying health-promoting food constituents and investigating the impact of dietary patterns in relation to human health.

Guest Editors

Dr. Charalambos Fotakis

Institute of Chemical Biology, National Hellenic Research Foundation,
Athens, Greece

Dr. Maria Zervou

Institute of Chemical Biology, National Hellenic Research Foundation,
11635 Athens, Greece

Deadline for manuscript submissions

closed (25 April 2025)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 10.3
Indexed in PubMed



mdpi.com/si/199687

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

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





Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 10.3
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 15 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).