

## Special Issue

# Food Allergy: Mechanisms, Allergen Characterization and Management

### Message from the Guest Editors

Food allergies represent a relevant societal challenge, potentially affecting almost 10% of the global population. Although new treatments for food allergies are currently in progress, the total avoidance of allergy-related food is the only effective means of preventing adverse immunological reactions in allergic patients. Therefore, it is of foremost importance to advance proficient strategies to reduce, or even eliminate, the allergenicity of foods, either by using novel food processing methods or through the development of hypoallergenic foods (genomic manipulation). In parallel, it is also crucial to have efficient food allergen monitoring programs.

This Special Issue intends to gather original research and review papers on food allergies focusing on clinical studies, immunological mechanisms, diagnostic methods, potential food allergy treatments, the molecular characterization of food allergens, protein allergenicity assessments, the effect of food processing strategies, and in vitro digestibility, and the development of analytical methods for food allergen analysis.

---

### Guest Editors

Dr. Caterina Villa  
Dr. Isabel Mafra  
Dr. Joana Costa

---

### Deadline for manuscript submissions

closed (20 December 2024)



## Foods

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.1  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/si/163986](https://mdpi.com/si/163986)

*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/  
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 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).