

Special Issue

Allergenic Properties and Molecular Characteristics of Food Allergens

Message from the Guest Editor

Food allergy represents a burgeoning health crisis. Its prevalence has surged rapidly in recent decades, and likewise, research in the field of food allergy is increasing. Meanwhile, vital progress has been made regarding the characterization of food allergens, the study of their immunological properties, and their detection in natural sources and in processed products. Known food allergens belong to a relatively restricted number of protein families, characterized by biochemical and physicochemical properties that may or may not include thermal stability and resistance to proteolysis. The allergenicity of a food protein cannot be predicted. However, determining whether it belongs to a certain family of allergenic proteins enables us to understand whether a molecule is possibly predisposed to becoming an allergen; this represents an important first step, and may contribute to determining the allergenic risk. The aim of this Special Issue of Foods is to gather and present cutting-edge research on the properties and molecular characteristics of food allergens. This Special Issue welcomes the submission of original research articles and reviews on this topic.

Guest Editor

Dr. Claudia Alessandri

1. Associated Centers for Molecular Allergology (CAAM), 00100 Rome, Italy
2. Allergy Data Laboratories (ADL), 04100 Latina, Italy

Deadline for manuscript submissions

closed (15 August 2024)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/179612

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 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).