

## Special Issue

# The Molecular Mechanisms and Pathogenesis of Food Allergy and New Technologies

### Message from the Guest Editor

Food allergy is considered one of the major concerns in food safety. A major limitation that frustrates the development of current treatments is the lack of the mechanistic understanding of what makes a food protein an allergen, and the immunological and gastrointestinal mechanisms that control the induction of tolerance vs sensitization to food allergy.

Advanced new technologies based on Genomics, Proteomics, Transcriptomics, Metabolomics, Microbiology, Systems Biology, Micro/Nanofabrication of devices and Food Technology make them favorable strategies for food allergy control, therapy and study, where research institutions, industries, regulatory and health laboratories collaborate to acquire knowledge and guarantee food quality and safety for consumers.

In this Special Issue, we invite experts as well as beginners in the field of food allergy and advanced technologies to contribute their ideas for accelerating the implementation of new technologies procedures in food allergy.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 July 2025)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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