



The Molecular Mechanisms and Pathogenesis of Food Allergy and New Technologies

Guest Editor:

Dr. Mónica Carrera

Department of Food Technology,
Spanish National Research
Council (CSIC), Marine Research
Institute (IIM), 36208 Vigo, Spain

Deadline for manuscript
submissions:

31 May 2024

Message from the Guest Editor

Dear Colleagues,

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

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, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI