



foods



an Open Access Journal by MDPI

Applications of Proteomics in Food Technology

Guest Editors:

Prof. Dr. Fernando Benavente

Department of Chemical Engineering and Analytical Chemistry, Research Institute of Nutrition and Food Safety, University of Barcelona, Martí i Franquès 1-11, 08028 Barcelona, Spain

Dr. Laura Pont

1. Department of Chemical Engineering and Analytical Chemistry, Research Institute of Nutrition and Food Safety, University of Barcelona, Martí i Franquès 1-11, 08028 Barcelona, Spain
2. Serra Hùnter Program, Generalitat de Catalunya, 08007 Barcelona, Spain

Deadline for manuscript submissions:

closed (30 September 2023)

Message from the Guest Editors

Proteomics technologies based on mass spectrometry (MS) are gaining a great interest in food technology as a unique tool to reveal the food proteome and drive new developments in the field. Proteins are key contributors to the nutritional value, physicochemical properties, and bioactivity of food (and any edible material), and MS approaches make it possible to characterize their structure in detail, from amino acid sequence to posttranslational and cotranslational modifications, as well as to obtain information about their concentration. The great advancements made in the last several years in MS proteomics in biomedical research have undoubtedly benefited and boosted the progress in food proteomics. However, the singularity of the analyzed food matrices and proteins, or the particular nature of the problems to solve, have required the establishment of specific experimental and data analysis workflows for successful application. This Special Issue aims to summarize both analytical developments and applications regarding proteomics and related fields (e.g., targeted protein and peptide analysis or peptidomics) in Food.



mdpi.com/si/117864

Special Issue



foods



an Open Access Journal by MDPI

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

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.

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](#), [FSTA](#), [AGRIS](#), [PubAg](#), and [other databases](#).

Journal Rank: JCR - Q1 (Food Science and Technology) / CiteScore - Q1 (Health Professions (miscellaneous))

Contact Us

Foods Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/foods
foods@mdpi.com
[X@Foods_MDPI](https://twitter.com/Foods_MDPI)