

Special Issue

Advances in the Application of Cold Plasma Technology in Foods

Message from the Guest Editors

In recent years, Cold Plasma has been recognized as an interesting technology with many potential applications in food industry. The novelty of this technology lies in its versatility of production and application (direct and indirect plasma, plasma activated water, functional coatings, etc.) and its non-thermal nature since, in many cases, quality attributes of food products have not been negatively affected. CP technology is highly advantageous for conventional applications such as decontamination of food and food contact surfaces and it can also be employed in other emerging applications as the mitigation of food allergens and anti-nutritional factors. This Special Issue, as one can see in the keyword list, is intended to publish innovative research results of mature areas of research, as well as new trends (food functionalization and in-package food decontamination) and important aspects related to the industrial scale (toxicity studies and product shelf-life). Finally, this Special Issue attempts to increase the knowledge of this technology with the aim of promoting the establishment of legislation to regulate the application of this powerful and profitable technology.

Guest Editors

Dr. Fernando Alba-Elías

University of La Rioja, Mechanical Engineering Department, San José de Calasanz 31, 26004, Logroño, Spain

Dr. Elisa Sainz-García

University of La Rioja, Mechanical Engineering Department, San José de Calasanz 31, 26004, Logroño, Spain

Deadline for manuscript submissions

closed (10 November 2021)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/57465

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).