



*foods*



an Open Access Journal by MDPI

## Advanced Research in Inactivation Technologies of Foodborne Microorganisms

Guest Editor:

**Prof. Dr. Sara Spilimbergo**

Department of Industrial Engineering, University of Padova, via Marzolo 9, 35131 Padova, Italy

Deadline for manuscript submissions:

**closed (31 July 2023)**

### Message from the Guest Editor

During the last few decades, alternative inactivation processes have gained increasing attention from the food industries. They are alternative technologies to thermal treatments that have unquestioned limitations, such as the denaturation of thermolabile compounds and the substantial modification of nutritional and sensorial aspects, of which the modern consumer is increasingly aware. Indeed, they show great potential for the inactivation of foodborne microorganisms on a wide range of both solid and liquid food products, assuring their microbial safety without altering their fresh-like aspects and quality.

This Special Issue aims to highlight the major progress achieved in the last decade, demonstrating that innovative technologies are now mature enough to be used in the industry for the microbial stabilization of food.

The contributions could address all aspects of different alternative techniques so as to provide a significant step forward concerning the different microorganisms that can be effectively inactivated with such methods, the operating conditions of treatment and the inactivation mechanisms.



[mdpi.com/si/111418](https://mdpi.com/si/111418)

# 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, USA

2. Department of Comparative  
Pathobiology (Courtesy), Purdue  
University, West Lafayette, IN,  
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 & Technology*) / CiteScore - Q1 (*Health Professions (miscellaneous)*)

## Contact Us

---

*Foods* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/foods](http://mdpi.com/journal/foods)  
[foods@mdpi.com](mailto:foods@mdpi.com)  
[X@Foods\\_MDPI](https://twitter.com/Foods_MDPI)