

Special Issue

Sustainable Postharvest Solutions for Fruits and Vegetables: Innovations in Processing, Packaging and Storage Systems

Message from the Guest Editor

The global food industry is experiencing a paradigm shift towards sustainability, driven by the urgent need to reduce waste, enhance food security, and minimize its environmental impact. The postharvest loss of fruits and vegetables remains a significant global challenge, with up to 40% of fresh produce wasted due to inadequate handling, storage, and processing. Sustainable postharvest solutions are urgently needed, as they will combine innovative technologies with eco-friendly practices to enhance the quality, safety, and shelf-life of fresh produce. This Special Issue aims to showcase cutting-edge research and advancements in sustainable postharvest technologies, focusing on processing, packaging, and storage systems that minimize waste and maximize resource efficiency. We welcome original research articles, reviews, and perspectives that address the following potential topics:

- **Sustainable processing technologies**
- **Eco-friendly packaging materials**
- **Smart storage systems**
- **Postharvest management for reducing food waste**
- **Sustainable cold chain logistics**
- **The applications of nanotechnology post-harvest**
- **Integrated postharvest solutions**

Guest Editor

Dr. Valeria Rizzo

Department of Bioscience and Agro-Food and Environmental Technology, University of Teramo, Via R. Balzarini 1, 64100 Teramo, Italy

Deadline for manuscript submissions

28 November 2025



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/235316

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).