

Special Issue

Innovative Food Technologies for Preservation and Enrichment of Bioactive Compounds

Message from the Guest Editor

This Special Issue aims to collate cutting-edge research and comprehensive reviews on novel technological approaches that mitigate the loss of bioactivity during processing. We seek to explore strategies not only for preservation but also for the targeted enrichment and improved bioavailability of bioactive compounds in various food matrices, ultimately contributing to the advancement of functional food science. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Application of non-thermal technologies for microbial inactivation and nutrient retention;
- Advanced drying and encapsulation techniques for stabilizing and enhancing the bioavailability of bioactive compounds;
- Novel extraction methods for the efficient recovery of bioactives from agri-food waste;
- Synergistic approaches combining multiple technologies or using natural antimicrobials and edible coatings for improved functionality and shelf-life.

Guest Editor

Dr. Luca Mazzoni

Department of Agricultural, Food and Environmental Sciences,
Università Politecnica delle Marche, Via Brecce Bianche 10, 60131
Ancona, Italy

Deadline for manuscript submissions

20 November 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/254833

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

[applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)