

Special Issue

Nondestructive Testing Technologies for Food Quality and Safety Assessment

Message from the Guest Editors

Food chemical characterization constitutes a fundamental discipline in modern food science, providing high-resolution information on the molecular composition, structural properties, and functional attributes of food matrices. Such information is essential for quality assessment, authentication, and safety evaluation, as well as for understanding the functional and nutritional behavior of foods.

Conventional physicochemical analytical methods, although accurate and reliable, are generally destructive, labor-intensive, costly, and time-consuming. These limitations have driven the agro-food sector toward the adoption of rapid and non-destructive analytical approaches aimed at improving efficiency in supply chains.

In this context, non-destructive techniques are gaining increasing relevance in food quality monitoring. In particular, the integrated application of computer vision and spectroscopic methods, combined with artificial intelligence techniques, offers powerful tools for characterizing the chemical and physical attributes of food samples through high-dimensional, information-rich datasets suitable for advanced chemometric modeling and data-driven interpretation.

Guest Editors

Dr. Roberto Ciccoritti

Consiglio per la Ricerca in Agricoltura e L'analisi Dell'economia Agraria (CREA)-Centro di Ricerca Olivicoltura, Frutticoltura e Agrumicoltura Via di Fioranello 52, 00134 Rome, Italy

Dr. Federica Taddei

CREA-Research Center for Engineering and Agro-Food Processing, Via Manziana 30, 00189 Rome, Italy

Deadline for manuscript submissions

20 September 2026



Foods

an Open Access Journal
by MDPI

Impact Factor 6.0
CiteScore 10.3
Indexed in PubMed



mdpi.com/si/272301

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 6.0
CiteScore 10.3
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 14.8 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2026).