

Special Issue

Food Bioactive Compounds and Emerging Processing and Extraction Techniques

Message from the Guest Editors

The study of bioactive compounds present in various food sources and their importance in human health has gained great relevance. Food bioactive compounds refer to molecules that, without being nutrients and being non-essential for our organism, have the capacity to modulate one or more metabolic processes that ultimately result in the promotion of health. Plant materials can be good sources of natural bioactive compounds. Plant foods are a complex matrix involving the combination of several types of bioactive compounds or phytochemicals, which has become a great challenge for the food industry in the extraction, separation, identification, and characterization of these compounds. This Special Issue explores prominent advanced extraction procedures, including sample preparation, data acquisition, analysis, and statistical integration, adapted to sample complexity. The extraction procedure is a very important step, as bioactive compounds are present in food at low concentrations, and the extraction technique is critical in achieving efficient extraction and simultaneously removing some potential compounds that can interfere.

Guest Editors

Dr. Rosa Maria Cámara

Dr. Francesca Bot

Dr. Elena Arranz

Deadline for manuscript submissions

closed (31 August 2025)



Foods

an Open Access Journal
by MDPI

Impact Factor 6.0
CiteScore 10.3
Indexed in PubMed



mdpi.com/si/201403

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 15 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).