

## Special Issue

# Natural Bioactive Compounds: Extraction, Function and Application Research in Food

### Message from the Guest Editors

Natural bioactive compounds, including phenolic compounds, flavonoid, carotenoids, and alkaloids, are derived from plants and have been extensively studied for their significant health-promoting effects. These compounds are known for their antioxidant, anti-inflammatory, antimicrobial, and anticancer properties. Consumer awareness of the benefits of natural compounds has been steadily increasing. In recent years, the rising demand for products enriched with natural functional compounds has promoted the development of innovative extraction strategies for the efficient recovery of valuable compounds from plant raw material, enabling their use as ingredients in functional foods designed to prevent disease and promote overall health. The continued exploration and incorporation of these plant-based bioactive compounds into modern products reflects a growing trend toward healthier and more sustainable consumption. In this Special Issue, we invite you to contribute your latest research findings, including original articles or comprehensive reviews, on the discovery, recovery and potential application of natural bioactive compounds for the development of healthy food.

### Guest Editors

Dr. Valentina Santoro

Department of Pharmacy, University of Salerno, Via Giovanni Paolo II 132, 84084 Fisciano, Italy

Dr. Rita Celano

Department of Pharmacy, University of Salerno, Via Giovanni Paolo II 132, 84084 Fisciano, Italy

### Deadline for manuscript submissions

closed (1 March 2026)



## Foods

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.1  
CiteScore 10.3  
Indexed in PubMed



[mdpi.com/si/228837](https://mdpi.com/si/228837)

*Foods*

Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[foods@mdpi.com](mailto:foods@mdpi.com)

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





# Foods

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.1  
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).