

## Special Issue

# Recent Advances in Extraction, Characterization and Biotechnological Use of Food Phytochemicals

### Message from the Guest Editor

Plant foods are rich in bioactive ingredients which benefit human health, such as nuts, cereals, fruits and vegetables. In recent years, with the development of identification, separation, purification and other technologies, more and more attention has been paid to the characteristics and nutraceutical properties of plant foods. It has been reported that plant foods exhibit a wide range of functional properties, including antiobesity, anticancer, antidiabetic, anti-inflammatory and antimicrobial activities, among many others. This Special Issue focuses on the latest advances of bioactive ingredients in plant foods, including emerging technologies, extraction optimization processes, as well as functional and pharmacological characterization, towards the comprehensive utilization within the food industry.

### Guest Editor

Dr. Maria Fátima Duarte

1. Alentejo Biotechnology Center for Agriculture and Agro-Food (CEBAL)/Polytechnic Institute of Beja (IPBeja), 7801-908 Beja, Portugal
2. Mediterranean Institute for Agriculture, Environment and Development-MED, CEBAL, 7081-908 Beja, Portugal

### Deadline for manuscript submissions

closed (31 January 2024)



## Foods

an Open Access Journal  
by MDPI

Impact Factor 5.1  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/si/113783](https://mdpi.com/si/113783)

*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 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).