



*foods*



an Open Access Journal by MDPI

## Polyphenols in Food: Current Knowledge and Directions for Future Research II

Guest Editors:

**Dr. Celia Carrillo**

**Prof. Dr. Francisco J. Barba**

**Dr. Senem Kamiloglu**

Deadline for manuscript  
submissions:

**closed (10 September 2023)**

### Message from the Guest Editors

Over the last several decades, polyphenols have attracted great interest at both at scientific and industrial levels because of their possible use as food additives and/or nutraceuticals especially due to their antioxidant, antimicrobial, and pigment properties. In this sense there have been numerous studies carried out to evaluate their content in food. The large number of published articles that have used methods to determine the total content of phenolic compounds should be noted. Although these methods have been reviled by some authors due to the need to use advanced analytical methods such as high-performance liquid chromatography in order to specifically relate the individual biological activity of each phenolic compound separately, the determination of total phenolic compounds is still important since it can be related to technological processes or as an estimate of the total antioxidant capacity. Additionally, different methods have been evaluated to extract, isolate, and purify the different phenolic compounds, and to determine their biological activity through in vitro and in vivo approaches using bioaccessibility/bioavailability studies.



[mdpi.com/si/94317](https://mdpi.com/si/94317)

# Special Issue



*foods*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Arun K. Bhunia**

1. Department of Food Science,  
Purdue University, West  
Lafayette, IN, USA

2. Department of Comparative  
Pathobiology (Courtesy), Purdue  
University, West Lafayette, IN,  
USA

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [FSTA](#), [AGRIS](#), [PubAg](#), and [other databases](#).

**Journal Rank:** JCR - Q1 (*Food Science & Technology*) / CiteScore - Q1 (*Health Professions (miscellaneous)*)

## Contact Us

---

*Foods* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/foods](http://mdpi.com/journal/foods)  
[foods@mdpi.com](mailto:foods@mdpi.com)  
X@Foods\_MDPI