



*foods*



an Open Access Journal by MDPI

## Advanced Technologies in the Extraction, Purification or Characterization of Bioactive Compounds from Foods

Guest Editor:

**Dr. Sara Jaramillo-Carmona**

Laboratory of Cellular and Molecular Nutrition, Instituto de la Grasa (CSIC), 41013 Seville, Spain

Deadline for manuscript submissions:

**closed (30 July 2024)**

### Message from the Guest Editor

Bioactive compounds include a broad diversity of structures and functionalities that provide an excellent option for the treatment and prevention of human diseases, sustainable agronomic techniques, and for responding to the changing needs of today's society. However, these compounds are present in very low levels, causing inherent difficulties in their extraction and purification as well as the characterization of both their physicochemical and biological activity. Thus, a huge quantity of samples is needed to use them on a large scale. It is expected that progress in extraction techniques, online bioactivity-guided screening, and molecular understanding will help scientists to improve important aspects of food quality such as authenticity, safety, and functionality.

The aim of this Special Issue is to enrich the knowledge on developing better technologies for extracting bioactive compounds from foods according to their efficiency, cost-effectivity, and sustainability. Furthermore, research on advances in purification procedures and the systematic screening of bioactivity is welcome.

We welcome researchers' original research and review articles.



[mdpi.com/si/175117](https://mdpi.com/si/175117)

# 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 and Technology) / CiteScore - Q1 (Health Professions (miscellaneous))

## Contact Us

---

*Foods* Editorial Office  
MDPI, Grosspeteranlage 5  
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](https://twitter.com/Foods_MDPI)