

Special Issue

Plant-Based Food From Nutritional Value to Health Benefits

Message from the Guest Editors

Plants are considered to be an important source of bioactive compounds. Plant-based bioactive compounds have demonstrated their role in various health benefits, such as anti-cancer, anti-diabetic, and other effects. The primary bioactive compounds in plants are flavonoids, phenolic acids, alkaloids, saponins, polysaccharides, etc. Bioactive compounds in fruits, vegetables, medicinal plants, and cereals have been widely used in the development of plant-based functional foods. However, considering the low levels of bioactive compounds in most plants, there are many traditional and innovative techniques (e.g., germination, exogenous additive treatment, abiotic stress, and physical treatments) that promote the accumulation of them. Furthermore, the molecular mechanisms that these enrichment techniques regulate, regarding the biosynthesis of active substances in plants, need to be further explored. Therefore, this Special Issue is dedicated to original research articles that cover the latest findings on the enrichment techniques and molecular mechanisms of plant-based bioactive compounds.

Guest Editors

Dr. Yongqi Yin

Dr. Liping Guo

Dr. Runqiang Yang

Deadline for manuscript submissions

closed (12 August 2024)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/162654

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 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).