

## Special Issue

# Plant-Based Foods and Their Bioactive Components: Effects on Cardiometabolic Disorders and Related Molecular Mechanisms

### Message from the Guest Editors

The molecular mechanisms underlying the effects of plant-based foods and their bioactive components on cardiometabolic disorders are complex and multifaceted, involving metabolic pathway modulation, oxidative stress and inflammation inhibition, insulin sensitivity improvement, and gut microbiota modulation, among others.

This Special Issue welcomes authors to submit original research articles or reviews. Potential topics include but are not limited to: ☒Antioxidant and anti-inflammatory properties of plant-based foods and their bioactive components;

☒Effects and underlying mechanisms of plant-based food bioactive components on glucose metabolism, lipid metabolism, insulin sensitivity, and cancer cells;

☒Health impacts of plant-based foods and their bioactive components on body weight regulation and obesity;

☒Synergistic effects of plant-based foods in the management of cardiometabolic disorders;

☒The interaction of plant-based foods or their bioactive components with the gut microbiome and related health impacts on cardiometabolic disorders;

☒Clinical trials evaluating the cardiometabolic benefits of plant-based foods or their bioactive components.

### Guest Editors

Dr. Ren-You Gan

Dr. Hongyan Liu

Prof. Dr. Liang Zeng

Prof. Dr. Dingtao Wu

Dr. Danyue Zhao

### Deadline for manuscript submissions

closed (25 October 2024)



## Nutrients

an Open Access Journal  
by MDPI

Impact Factor 5.0  
CiteScore 9.1  
Indexed in PubMed



[mdpi.com/si/199946](https://mdpi.com/si/199946)

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

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





# Nutrients

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.0  
CiteScore 9.1  
Indexed in PubMed



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



## About the Journal

### Message from the Editorial Board

*Nutrients* is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

---

### Editors-in-Chief

Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
2. Research Institute of Biomedical and Health Sciences (UIBS), University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain
3. Preventive Medicine Service, Centro Hospitalario Universitario Insular Materno Infantil (CHUIMI), Canarian Health Service, 35016 Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

---

### 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, MEDLINE, PMC, Embase, PubAg, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Nutrition and Dietetics) / CiteScore - Q1 (Nutrition and Dietetics)