

Special Issue

New Insights on Bioactive Compounds for the Prevention and Management of Metabolic Syndrome

Message from the Guest Editors

Metabolic syndrome is characterized by the coexistence of different diseases including hypertension, obesity, insulin resistance and atherogenic dyslipidemia. New compounds are searched in order to prevent or reduce this cluster of diseases. In this regard, food and agri-food by-products contain different compounds such as phenolic compounds, fatty acids or peptides with antihypertensive, anti-hyperglycemic, anti-hypercholesterolemic, antioxidant and anti-inflammatory effects and also they can produce body weight loss or prevent against body weight gain. The aim of this special issue is to collect original research manuscripts, meta-analysis and reviews dealing with the beneficial effect of bioactive compounds on metabolic syndrome and its associated diseases. Original research manuscripts, both using human and animal models, focused on the search and evaluation of the functional properties of original or known products, extracts, and single molecules from plants, food and agri-food by-products, as well as diets will be considered. Moreover, the in vitro or in vivo studies to elucidate the involved mechanisms in the effects of different bioactive compounds will be also welcomed.

Guest Editors

Dr. Francisca Isabel Bravo

Dr. Enrique Calvo Manso

Dr. Diego Morales

Deadline for manuscript submissions

closed (10 March 2023)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/126223

Nutrients
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nutrients@mdpi.com

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





Nutrients

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
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 (Food Science)