Special Issue

The Role of Bioactive Compounds in Human Health and Diseases (3rd Edition)

Message from the Guest Editor

Bioactive compounds are being studied to better understand their effects on health and disease. These compounds are found in various foods, such as beverages (wine, cider, juices), vegetable oils, spices (curcuma, pepper, etc.), teas, and infusions. In both in vitro and in vivo studies, some of these compounds have shown potentially beneficial effects on human health and disease prevention. Plant bioactive compounds are of great interest due to their variety and diverse effects on thermogenesis, inflammation, metabolism, and endocrine factors. More research is needed to explore their use in improving physical performance, slowing the aging process, and preventing or helping treat diseases such as obesity, CVD, diabetes mellitus, tumors, and inflammation. Thus, we invite you to contribute to the Special Issue titled "The Role of Bioactive Compounds in Human Health and Diseases (3rd Edition)", Clinical, experimental, and in vitro studies. as well as reviews on the effects of bioactive compounds in obesity and its comorbidities, are welcome.

Guest Editor

Prof. Dr. Jacqueline Isaura Alvarez-Leite

Departamento de Bioquímica e Imunologia, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil

Deadline for manuscript submissions

25 October 2025



Nutrients

an Open Access Journal by MDPI

Impact Factor 5.0 CiteScore 9.1 Indexed in PubMed



mdpi.com/si/236867

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

mdpi.com/journal/ nutrients





Nutrients

an Open Access Journal by MDPI

Impact Factor 5.0 CiteScore 9.1 Indexed in PubMed





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. Lluis Serra-Majem

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

Prof. Dr. Maria Luz Fernandez

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

Author Benefits

Palmas, Spain

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)