

Special Issue

Antioxidant Effects of Bioactive Ingredients in Humans: Insights From the Cellular and Molecular Levels

Message from the Guest Editors

Dietary bioactives, particularly phytochemicals such as polyphenols, flavonoids, vitamins, and fibers, are recognized for their beneficial health properties, including their anti-inflammatory and antioxidant activities. The purpose of this Special Issue, entitled "Dietary Bioactive Compounds: Implications for Inflammation and Oxidative Stress", is to collect and discuss the recent developments in research regarding all of the aspects of bioactive compounds that are involved in various diseases, mediated by inflammatory and oxidative processes. More specifically, original papers should focus on the implication of dietary bioactive compounds in different molecular pathways and propose modern cell and molecular biology methodologies. Furthermore, considering bioavailability as a key element to ensure the bioefficacy of these compounds, studies on the absorption and metabolism of dietary bioactive compounds are appreciated. This Special Issue will include both original scientific research and systematic reviews.

Guest Editors

Dr. Doretta Cuffaro

Department of Pharmacy, University of Pisa, 56126 Pisa, Italy

Dr. Maria Digiacomio

1. Department of Pharmacy, University of Pisa, 56126 Pisa, Italy
2. Interdepartmental Research Center "Nutraceuticals and Food for Health", University of Pisa, 56100 Pisa, Italy

Deadline for manuscript submissions

closed (25 May 2025)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/223367

Nutrients
Editorial Office
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 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 (IUIBS), 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)