

## Special Issue

# Vitamins, Nutritional Supplements, Antioxidant Therapy, and Modulators of Inflammation as Therapeutic Interventions

### Message from the Guest Editors

Vitamins are essential micronutrients, with a well-established role in inflammation and metabolism. In some cases, the beneficial effects of vitamins stem from their antioxidant capacity and can be substituted by antioxidant pharmacological treatments. Additionally, numerous natural compounds have these properties and are now explored as immune modulators. Indeed, targeting oxidative stress is proposed for the treatment or management of major pathological disease states, from diabetes to obesity and from hypertension to cachexia. The most innovative approaches in medicine, such as multimodal interventions and tailored medicine, currently include nutritional supplementation to buffer the redox status of the body or to naturally trigger beneficial signaling pathways to control inflammation and metabolic alterations. Nonetheless, limitations still exist and further knowledge on the molecular mechanisms underlying the effects of nutritional and antioxidant supplementation is needed to expand the margins of intervention.

### Guest Editors

Dr. Dario Coletti

Dr. Daniela Caporossi

Prof. Dr. Antonio Hebert Lancha Jr.

### Deadline for manuscript submissions

closed (30 November 2023)



## Nutrients

an Open Access Journal  
by MDPI

Impact Factor 5.0  
CiteScore 9.1  
Indexed in PubMed



[mdpi.com/si/125314](https://mdpi.com/si/125314)

*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)