

# Special Issue

## Effects of Natural Bioactives on Pain and Neuroinflammation

### Message from the Guest Editor

Neuroinflammation is an inflammatory response which takes place in the brain or spinal cord. This process is mediated by the production of cytokines, chemokines, reactive oxygen species and secondary messengers produced by resident CNS glia (microglia and astrocytes), endothelial cells, and peripherally derived immune cells. Neuroinflammation is involved in multiple pathological conditions, including pain and its transition from the acute to chronic form. Classic analgesics often fail to control pain in these patients, requiring the use of other drugs with severe side effects. Therefore, new approaches based on the administration of natural bioactives could represent a winning strategy. The aim of this Special Issue is to collect the latest research on these topics. Therefore, original studies, narrative and systematic reviews, and meta-analyses that focus on the role of natural bioactive compounds in pain syndromes and neuroinflammation are most welcome.

---

### Guest Editor

Dr. Giulia Magni

Department of Pharmacological and Biomolecular Sciences, University of Milan, 20133 Milan, Italy

---

### Deadline for manuscript submissions

closed (25 August 2024)



# Nutrients

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.0

CiteScore 9.1

Indexed in PubMed



[mdpi.com/si/195989](https://mdpi.com/si/195989)

*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](http://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. Lluis 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)