

Special Issue

The Impact of Nutrition on Brain Metabolism and Disease

Message from the Guest Editors

In recent decades, the link between nutrition, brain health, and risk of central nervous system pathologies was highlighted. How different diets/nutritional strategies modulate brain function and homeostasis, with special regard to its metabolism, mitochondrial function, redox homeostasis, insulin signaling, neuroinflammation, gut/brain axis, synaptic function and plasticity, is the focus of this Special Issue. Studies that further unravel mechanistic links between diet composition and nutritional status and the onset or prevention of neurodevelopmental or neurodegenerative diseases are welcomed, in order to provide new insights into physiopathological aspects underlying brain development, function, and aging.

Original research reports and review articles from experts in the field will provide an interdisciplinary approach to highlight the beneficial or deleterious impact of different nutritional plans and could represent the milestones for designing novel therapeutic targets to counteract several brain diseases linked with malnutrition.

Guest Editors

Dr. Luisa Cigliano

Dr. Maria Stefania Spagnuolo

Dr. Arianna Mazzoli

Deadline for manuscript submissions

closed (15 February 2023)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/88140

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 (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)