Special Issue

Nutrition and Brain Health Across the Lifespan: Insights into Mental, Cognitive, and Sleep Outcomes in Health and Disease

Message from the Guest Editors

There is growing evidence that nutrition is vital role for supporting mental well-being, cognitive function, and sleep health through varied interacting biological and neural mechanisms. This Special Issue invites cuttingedge contributions from in vitro, preclinical, and human studies, including cross-sectional, longitudinal, and intervention-based designs, that explore how nutrition influences brain health across the human lifespan, from early development to older adulthood. We are particularly interested in work that investigates or elucidates underlying mechanistic pathways in both healthy individuals and clinical populations across all stages of life. We welcome a wide range of manuscript types, including original research articles, systematic, narrative and scoping reviews, meta-analyses, short communications, and commentaries and perspectives.

Guest Editors

Dr. Piril Hepsomali

School of Psychology and Clinical Language Sciences, University of Reading, Reading RG6 6ET, UK

Prof. Dr. Adele Costabile

School of Life and Health Sciences, University of Roehampton, London SW15 4JD, UK

Deadline for manuscript submissions

25 December 2025



Nutrients

an Open Access Journal by MDPI

Impact Factor 5.0 CiteScore 9.1 Indexed in PubMed



mdpi.com/si/241682

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)