Special Issue

Maternal Nutrition: Developmental Origins of Health and Disease

Message from the Guest Editor

In recent years, the concept of DOHaD (developmental origins of health and disease) has gained significant global attention as a crucial framework for understanding how maternal nutrition influences the health and disease risk of the next generation. It is now well established that the intrauterine environment plays a pivotal role in shaping the future development of lifestyle-related diseases and psychiatric disorders in offspring. Research in this field is actively being conducted not only by healthcare professionals, such as physicians, nurses, pharmacists, dietitians, and nutritionists, but also by researchers in interdisciplinary fields, including social sciences and bioethics. Furthermore, DOHaD research is expected to expand in the coming years, particularly in relation to preconception care, emphasizing the importance of maternal health even before pregnancy. This Special Issue aims to provide valuable insights into the impact of maternal nutrition during pregnancy, spanning basic science, clinical applications, and public health perspectives.

Guest Editor

Prof. Dr. Akio Nakamura

Department of Food and Health Sciences, Jissen Women's University, Hino, Japan

Deadline for manuscript submissions

15 December 2025



Nutrients

an Open Access Journal by MDPI

Impact Factor 5.0 CiteScore 9.1 Indexed in PubMed



mdpi.com/si/233979

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)