Special Issue

Effects of Early Nutrition on Premature Infants (2nd Edition)

Message from the Guest Editor

It has long been known that malnutrition, whether intrauterine or extrauterine, causes changes in brain development, leading to delays in the development of children and adolescents. We also know that growth and development are linked. Intrauterine and extrauterine malnutrition are becoming increasingly prevalent. especially in low- and middle-income countries, due to socioeconomic problems such as absent or inadequate prenatal care, a lack of adequate vaccination, low caloric and/or protein intake, and prematurity. Intrauterine malnutrition is also prevalent in developed countries, mainly due to problems occurring during pregnancy, such as assisted fertilization, multiple pregnancies, and pre-eclampsia. Low intake of essential nutrients for good intra- and extrauterine brain development also occurs in wealthy populations and is affected by the above factors. Therefore, malnutrition is a global public health problem highlighting a growing gap between lowand high-income countries in somatic growth and neurodevelopment. We must delve deeper into this topic by studying its consequences and prevention and looking closely at the effects of nutrition in this population.

Guest Editor

Prof. Dr. Renato S. Procianoy

Hospital de Clinicas de Porto Alegre, Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil

Deadline for manuscript submissions

20 April 2026



Nutrients

an Open Access Journal by MDPI

Impact Factor 5.0 CiteScore 9.1 Indexed in PubMed



mdpi.com/si/232317

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)