

## Special Issue

# The Role of Nutrients in Child Neurodevelopment

### Message from the Guest Editors

There is emerging literature pointing towards the importance of nutritious diet for optimizing child neurodevelopment, even from the time of pregnancy. Optimal nutrition during pregnancy has a significant role in fetal brain development and has been associated with favorable birth outcomes and child growth. Brain development continues until adulthood, and good nutrition is vital throughout childhood and adolescence to promote healthy neurodevelopment. Even so, brain development is a complex process, and the influence of macronutrients and micronutrients on child neurodevelopment is not fully understood. Therefore, the role of nutrition in preventing adverse neurodevelopmental outcomes, mitigating the effect of neurotoxins, and supporting infant brain development is an area to be further explored. The Special Issue will include manuscripts that focus on the role of nutrition in fetal and child neurodevelopment and neurodevelopmental outcomes. Specifically, the importance of nutrition in fetal programming, disease prevention, therapeutic potential, and the promotion of improved neurodevelopmental outcomes.

### Guest Editors

Dr. Tania Siahaidou

Neonatal Unit, First Department of Pediatrics, School of Medicine, National and Kapodistrian University of Athens, 11527 Athens, Greece

Dr. Katherine Svensson

Department of Environmental Medicine and Climate Science, Icahn School of Medicine at Mount Sinai, 17 East 102nd Street, New York, NY 10029, USA

### Deadline for manuscript submissions

closed (25 July 2025)



## Nutrients

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*Nutrients*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[nutrients@mdpi.com](mailto:nutrients@mdpi.com)

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## 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.

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### 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

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