

## 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

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### Deadline for manuscript submissions

closed (25 July 2025)



## Nutrients

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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

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