

Special Issue

Effects of Maternal Diet and Environmental Factors on Child's Development

Message from the Guest Editors

This Special Issue explores the intricate interplay between maternal nutrition quality, environmental pre and post natal exposures on mothers (or mother–child dyads), and child health. Emerging evidence underscores how maternal dietary patterns, micronutrient status, and exposure to environmental pollutants—such as endocrine disruptors, heavy metals, and air pollution (also possible effects from infections, as pandemic COVID-19)—can significantly influence fetal growth, neurodevelopment, and long-term health outcomes. Contributions to this issue highlight both mechanistic insights and epidemiological findings, emphasizing the importance of early-life interventions and public health strategies. By integrating perspectives from nutrition science, developmental biology, and environmental health, this collection aims to advance our understanding of prenatal determinants of pediatric health and foster multidisciplinary approaches to improving maternal and fetal well-being. Moreover this issue contributes to sustainability, ONE health and Planetary health research.

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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/255155

Nutrients
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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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