

Special Issue

Neurodevelopment, Oxidative Stress and Nutrition in Perinatal Period

Message from the Guest Editors

Factors affecting fetal nutrition play a crucial role in determining the risk of developing metabolic diseases later in life. Neonatal health is deeply influenced by maternal health and nutrition, which impact neurodevelopment beginning already in utero. In addition to maternal factors, neonatal nutrition plays a vital role in supporting brain development and modulating oxidative stress after birth. Breastfeeding provides essential nutrients and antioxidants that promote optimal neurodevelopment and immune function. Early postnatal nutrition thus represents a critical window to influence long-term health trajectories positively. A comprehensive approach combining maternal nutrition optimization, reduction in exposure to harmful substances, and promotion of appropriate neonatal nutrition is vital to improve neurodevelopmental outcomes and long-term health starting from the perinatal period. To this end, we welcome original scientific contributions that address these challenges and expand our understanding of neurodevelopmental outcomes, oxidative stress, and nutrition during the perinatal period.

Guest Editors

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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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