

Special Issue

Vitamin D Deficiency and Maternal and Infant Health and Disease

Message from the Guest Editor

Vitamin D is a relevant fat-soluble vitamin with pleiotropic activity in metabolism, inflammatory response, oxidative stress, modulation of cell growth, neuromuscular function, and immunity, besides its essential role in calcium homeostasis and bone health. Higher risk for adverse pregnancy and birth outcome, such as gestational diabetes mellitus, dyslipidemia, preeclampsia, preterm birth, low birth weight, and even disturbed brain development, was related to maternal vitamin D deficiency. Nonetheless, the results of studies investigating associations of maternal vitamin D deficiency and pregnancy outcomes or vitamin D supplementation trials often show inconsistencies. In this Special Issue, we would like to invite you to submit contemporary research on vitamin D deficiency/insufficiency or vitamin D supplementation and their associations with maternal and/or infant health and disease to spark light on the important functions of vitamin D. Your contribution to this topic in our Special Issue in the top journal *Nutrients* will help to evolve the knowledge about the multiple actions of vitamin D in relevant life periods such as pregnancy, breastfeeding, infancy, or childhood.

Guest Editor

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Deadline for manuscript submissions

closed (15 June 2024)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/155721

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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