



Vitamin D Deficiency and Maternal and Infant Health and Disease

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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.





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