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The Effects of Nutritional Intake during Pregnancy on Maternal and Offspring Health

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Deadline for manuscript submissions:

closed (15 May 2024)

Message from the Guest Editors

Dear Colleagues,

During pregnancy, the mother's physiological adaptations and changes in nutritional requirements are necessary to accommodate placental formation and intense fetal growth. Inadequate maternal intake of macronutrients, micronutrients, and dietary fibers and/or excessive intake of energy may increase the risk of pregnancy complications and subsequent development of noncommunicable diseases for both mother and offspring. In fetal growth, appropriate weight gain as well as the normal functional development of the brain, metabolic organs, and other tissues is crucial. Recently, it has been shown that metabolites derived from maternal gastrointestinal microbiota play a vital role in fetal development through the regulation of immunity and metabolism. A comprehensive understanding of the importance of diet during pregnancy and proper assessment of diet quality and quantity is necessary to promote maternal and offspring health.

This special issue aims to update our knowledge on this topic and to inform practice, and welcomes submissions of original research articles, clinical studies, and review articles.



mdpi.com/si/184497

Special Issue



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Journal Rank: JCR - Q1 (Nutrition and Dietetics) / CiteScore - Q1 (Food Science)

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