

Special Issue

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

Message from the Guest Editors

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.

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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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