

Special Issue

Lipid Metabolism and Nutrition Status in Gestational Diabetes Mellitus

Message from the Guest Editor

Complex changes occur in lipid metabolism during pregnancy to fulfill both maternal requirements for lipid stores and energy reserves and as lipid substrates required by the fetus. Hyperlipidemia during pregnancy contributes to insulin resistance and the development of gestational diabetes mellitus (GDM). GDM pregnancies are also associated with dyslipidemia. Although the causal relationships between dyslipidemia and GDM have not yet been determined, they both increase the risk of adverse pregnancy outcomes, such as macrosomia and the susceptibility of cardiovascular diseases and other metabolic disorders during later life for mothers and their offspring. This Special Issue welcomes articles of any type that focus on the alterations of lipid metabolism, placental transfer of lipids in normal pregnancies and GDM, their associations with pregnancy outcomes and long-term health of mothers and their fetus and the potential mechanisms underlying these associations. Submissions related to the evaluation of nutritional status during pregnancy by traditional approaches or innovative strategies, such as metabolomics/lipidomics, are also of interest.

Guest Editor

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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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