

Special Issue

Maternal Diet, Epigenetic Mechanisms and Metabolic Programming

Message from the Guest Editors

Maternal diet and nutritional factors affect various aspects of metabolic programming. These changes are induced in early life, and may alter the phenotype later in life, influencing the development of metabolic diseases and neurodevelopment. In particular, dietary imbalances during pregnancy may affect neurodevelopment during the sensitive period, thereby increasing the susceptibility of offspring to neurological diseases (e.g., stroke and vascular dementia). In this Special Issue, original articles and reviews addressing the effects of maternal diet and nutrition on metabolic programming and potential mechanisms of maternal epigenetic regulation of gene expression that have persistent effects on offspring health and development are welcome.

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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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