

Special Issue

Epigenetic Biomarkers in Nutrigenomics and Metabolomics

Message from the Guest Editors

It is well known that environment–host–microbe interactions (which provide insight into nutritional status) can affect epigenetic mechanisms and shape human metabolism through the long-term regulation of gene expression. This is particularly crucial in the first 1000 days of life. Additionally, growing scientific evidence supports the idea that epigenetic signatures may affect nutrient metabolism and, consequently, health status. Accordingly, the onset and progression of metabolic diseases, such as obesity, type 2 diabetes, metabolic syndrome, fatty liver disease, and cardiovascular disorders, may involve epigenetic mechanisms. In this context, genomic, metagenomic, and nutrigenomic studies allow epigenetic biomarkers to be identified for predictive purposes and innovative intervention strategies to be designed for disease prevention or monitoring purposes by targeting the epigenome. Therefore, *Nutrients* welcomes the submission of manuscripts, either describing original research or reviewing scientific literature studies, on the topic of “Epigenetic Biomarkers in Nutrigenomics and Metabolomics”.

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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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