



Role of Diet-Induced Epigenetic Modifications on Promoting or Preventing Metabolic Diseases

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submissions:

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Message from the Guest Editors

Dear Colleagues,

Current research has highlighted that metabolic diseases might be the result of a complex network of interactions between genetics and the environment. A deeper understanding of the diet's influence on epigenetic modifications may therefore contribute to the identification of individuals at risk of metabolic disease. For this Special Issue, we welcome the submission of articles covering, but not limited to, the following topics:

- Epigenetic applications for precision nutrition;
- Protocols for clinical trials for the investigation of epigenetic modifications in response to nutrients;
- Studies aiming to investigate the role of specific epigenetic modifications in experimental models;
- Observational studies on epigenetic changes in humans affected by diet-related diseases;
- Studies on the correlation between epigenetic modifications and exposome;
- Systematic or comprehensive reviews about any epigenetic question related to nutrition;
- Epigenetic processes with food and bioactive compounds;
- Epigenetic modifications as clinical biomarkers for metabolic diseases;
- Epigenetics and dietary habits or specific nutrients during prenatal and postnatal life.





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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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