

## Special Issue

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

### Message from the Guest Editors

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.

### Guest Editors

Dr. Maria Aderuza Horst

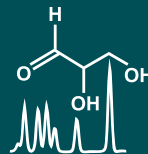
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### Deadline for manuscript submissions

closed (15 April 2023)



## Metabolites

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## About the Journal

### 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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### Editor-in-Chief

Dr. Amedeo Lonardo  
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JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Endocrinology, Diabetes and Metabolism)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).