

## We Are What We Eat: The Role of Food Intake on Human Metabolome

Guest Editors:

**Dr. Marta P. Silvestre**

NOVA Medical School, NOVA  
University of Lisbon, 1169-056  
Lisbon, Portugal

**Dr. Louise Lu**

School of Biological Sciences,  
University of Auckland, Auckland  
1024, New Zealand

**Dr. Diana Teixeira**

NOVA Medical School, NOVA  
University of Lisbon, 1169-056  
Lisbon, Portugal

Deadline for manuscript  
submissions:

**closed (5 February 2024)**

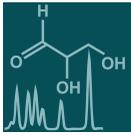
### Message from the Guest Editors

Dear Colleagues,

Both nutrients and their metabolites constitute key biological and functional outputs linking metabolic pathways with health and disease. Advances in research methods and techniques, such as metabolomics, have made it possible to characterize the human and animal metabolome and how it changes in different food and nutritional contexts or following dietary interventions. This can strengthen research and nutritional science by: a) defining and validating biomarkers of food intake; and b) objectively interpreting how food intake and nutrition impact health and disease.

This Special Issue aims to present outstanding research on how diet/food intake relates to and impacts circulating and tissue-specific metabolites, characterizing metabolic responses to nutrition in the context of health and disease. It will cover: a) studies analyzing metabolic changes following nutritional/dietary interventions in humans and animal models; b) studies focusing on the identification and validation of biomarkers for food intake; and c) studies investigating shifts in metabolism and quantification of certain molecules under specific nutritional contexts.





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Amedeo Lonardo

1. Formerly Director of the Simple Operating Unit "Metabolic Syndrome", Azienda Ospedaliero-Universitaria, 41126 Modena, Italy  
2. Formerly Professor of Internal Medicine, School of Specialization of Allergology and Clinical Immunology, University of Modena and Reggio Emilia, 41121 Modena, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Biochemistry and Molecular Biology*) / CiteScore - Q2 (*Endocrinology, Diabetes and Metabolism*)

## Contact Us

*Metabolites* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/metabolites](http://mdpi.com/journal/metabolites)  
[metabolites@mdpi.com](mailto:metabolites@mdpi.com)  
[X@MetabolitesMDPI](https://twitter.com/MetabolitesMDPI)