

## Special Issue

# Functional Foods and Natural Bioactive Compounds: Strategies to Face Metabolic Syndrome and Related Non-Communicable Diseases

### Message from the Guest Editors

Chronic non-communicable diseases (NCDs) are becoming the leading cause of death globally. The main types of NCDs include, in addition to cancer and chronic respiratory diseases, pathologies closely related to metabolic syndrome. The perpetuation of these metabolic dysfunctions can lead to the development of type 2 diabetes, cardiovascular diseases, non-alcoholic fatty liver disease, or some types of cancer, among other pathologies. The main therapeutic guideline for metabolic syndrome entails lifestyle changes, chiefly through nutrition interventions. Often, however, these metabolic derangements require (not always desired or available) pharmaceutical therapies. In this context, the bioactive compounds present in functional foods and other biofunctional products, can offer prophylactic and therapeutic alternatives for NCDs associated with metabolic syndrome. This Special Issue aims to strengthen the knowledge concerning the role of bioactive compounds in functional foods and other biofunctional products to prevent or improve metabolic syndrome or NCDs. Dr. Paola Gauffin-Cano

### Guest Editors

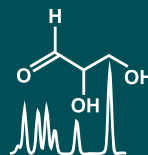
Dr. Paola Gauffin-Cano

Dr. Sebastián Torres

Dr. Roxana Medina

### Deadline for manuscript submissions

closed (2 June 2025)



## Metabolites

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*Metabolites*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[metabolites@mdpi.com](mailto:metabolites@mdpi.com)

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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.

### Editor-in-Chief

Dr. Amedeo Lonardo

Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-Universitaria, 41126 Modena, Italy

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.4 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).