

## Special Issue

# Metabolomics of Human Nutrition: The Dot of Human Nutrition and the Circle of Soil, Plants, Animals and Microbes in Relation to It, 2nd Edition

### Message from the Guest Editor

This Special Issue of *Metabolites* is dedicated to exploring the metabolomics of human nutrition in health and disease, as well as its intricate connections to soil science, botany with crop science, zoology with animal husbandry, and the diverse microbial ecosystems of the biosphere. While various hypotheses exist regarding the interplay between the metabolic processes within the human body (micro-cosmos) and those in the broader biosphere (macro-cosmos), a comprehensive and systematic knowledge base on this subject is still lacking.

To bridge this gap, this Special Issue aims to leverage metabolomics both as an independent analytical approach and within the broader omics framework. The metabolome offers a highly integrative and dynamic perspective on human nutrition, providing the basis for in-depth analyses and systemic syntheses that encompass both key disciplinary insights and interdisciplinary linkages.

### Guest Editor

Prof. Dr. Shoma Berkemeyer

Faculty of Agricultural Sciences and Landscape Architecture,  
Osnabrueck University of Applied Sciences, Am Kruempel 31, 49090  
Osnabrueck, Germany

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## 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.

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### Editor-in-Chief

Dr. Amedeo Lonardo

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

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