# **Special Issue**

# Metabolomics and Nutrition: From Bench to Bedside

# Message from the Guest Editor

This Special Issue is focused on the role of metabolomics, both targeted and untargeted highresolution metabolomics, and health outcomes. Metabolomics provide a detailed snapshot of biochemical activity and metabolic status in response to nutrients, environmental influences, and lifestyle factors. As a promising field at the intersection of systems biology and precision medicine, metabolomics offers insights into the complex biochemical processes that underpin health outcomes and disease states. Applications of metabolomics as a proxy of the internal exposome may include the following: understanding disease causality and mechanisms; biomarkers and diagnostic tools using blood samples or biological fluids; identifying exposure-related metabolite changes: therapeutic insights; and precision nutrition. This approach is pivotal to understanding the relationship between metabolic alterations and health outcomes, especially in the context of chronic diseases like cancer, diabetes, and metabolic disorders. All manuscripts addressing metabolomics and nutrition from mechanistic cell culture, animal model, and human studies are welcome to be submitted.

## **Guest Editor**

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## Deadline for manuscript submissions

5 May 2026



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# **About the Journal**

# Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. Nutrients adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of Nutrients has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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