

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 high-resolution 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

Dr. Ghada Soliman

Department of Environmental, Occupational and Geospatial Health Sciences, The City University of New York, Graduate School of Public Health and Health Policy, 55 West 125th St, New York, NY 10027, USA

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Nutrients
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nutrients@mdpi.com

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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.

Editors-in-Chief

Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
2. Research Institute of Biomedical and Health Sciences (UIBS), University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain
3. Preventive Medicine Service, Centro Hospitalario Universitario Insular Materno Infantil (CHUIMI), Canarian Health Service, 35016 Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

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