

Special Issue

Metabolomics to Understand Diet-Related Metabolic Diseases

Message from the Guest Editor

Diet-related metabolic diseases pose significant public health challenges. Metabolomics serves as a powerful tool to decipher the intricate relationship between dietary factors and metabolic health. Metabolomics studies have already paved the way for precision medicine and demonstrate potential for precision nutrition in the context of diet-based pathologies. This Special Issue seeks to underscore the methodological advancements that highlight the suitability of metabolomics for exploring the relationship between diet and key pathologies (diabetes, neuronal disorders and cardiovascular diseases) and also investigate the benefits of certain diets (Mediterranean diet and ketogenic diet). Authors are encouraged to focus on the study of biofluids to determine the endometabolome (serum, tissue or cell extract) as well as exometabolome (cell culture supernatant or urine) from a diverse range of models that include in vitro models, animals, and patient cohorts. This Special Issue especially invites contributions that employ a quantitative metabolomics strategy.

Guest Editor

Dr. Baptiste Panthu

CarMeN Laboratory, UMR INSERM U1060/INRAE U1397, Université Claude Bernard Lyon 1, Université de Lyon, 69310 Pierre-Bénite, France

Deadline for manuscript submissions

closed (15 February 2024)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/182160

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

[mdpi.com/journal/
nutrients](https://mdpi.com/journal/nutrients)





Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



[mdpi.com/journal/
nutrients](https://mdpi.com/journal/nutrients)



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 (IUIBS), 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

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, MEDLINE, PMC, Embase, PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Nutrition and Dietetics) / CiteScore - Q1 (Nutrition and Dietetics)