

Special Issue

Metabolic Features and Nutritional Interventions in Chronic Diseases

Message from the Guest Editors

Emerging evidence indicates an extensive metabolic dysfunction in many chronic diseases, comprising aging, cancer and diseases affecting cardiovascular system, liver and kidney. The phenotypes associated with metabolic dysfunction vary depending on disease type.

In turn, altered metabolism drives disease pathology. Consequently, nutritional modulation of metabolic status in chronic disease is widely acknowledged to reduce disease incidence. For instance, tailored nutritional intervention in cancers with altered metabolism determines the improved therapeutic responses. Mechanistically, nutritional supports modulate metabolism through mitochondria, immuno-regulation and epigenome regulation to impact disease progression. This Special Issue aims to be an interdisciplinary platform covering:

- Characterization of metabolic features or nutritional requirement in a certain chronic disease;
- Defining effects and mechanism of a specific nutrient or nutritional intervention on metabolism;
- Development of new nutritional strategy improving disease outcome by altering metabolism.

We invite well-designed research articles, reviews and meta addressing the above issues.

Guest Editors

Dr. Yongting Luo

Dr. Junjie Luo

Dr. Peng An

Deadline for manuscript submissions

closed (31 May 2025)



Nutrients

an Open Access Journal
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Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/139903

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 (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

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