Special Issue

Association Between Lipid Metabolism and Obesity

Message from the Guest Editors

Unbalanced lipid metabolism is known to be involved in diet-related diseases, such as obesity. While the increased lipogenesis is classically related to an excess of fat accumulation, the relationship between the changes in fatty acid beta-oxidation, lipolysis, and lipid transport in obesity is less clear. It is often not evident whether the changes in lipid metabolism are a cause or consequence of an obesogenic diet. The changes in lipid metabolism can lead not only to obesity but also to other underlying conditions, such as insulin resistance. This Special Issue on the "Association Between Lipid Metabolism and Obesity" will include manuscripts that focus on the broad effects of lipid metabolism in relation to obesity. We welcome submissions of original research papers, short communications, and review articles.

Guest Editors

Dr. Renalison Farias-Pereira

Department of Biological Sciences, Kean University, Union, NJ 07083, USA

Dr. Keciany Alves de Oliveira

Superior Institute of Biomedical Sciences, Postgraduate Program in Physiological Sciences, Postgraduate Program in Nutrition and Health, State University of Ceara, Fortaleza 60714-903, CE, Brazil

Deadline for manuscript submissions

15 October 2025



Nutrients

an Open Access Journal by MDPI

Impact Factor 5.0 CiteScore 9.1 Indexed in PubMed



mdpi.com/si/217825

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

mdpi.com/journal/ nutrients





Nutrients

an Open Access Journal by MDPI

Impact Factor 5.0 CiteScore 9.1 Indexed in PubMed





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. Lluis Serra-Majem

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

Prof. Dr. Maria Luz Fernandez

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

Author Benefits

Palmas, Spain

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)