



Nutritional Regulation of Insulin Resistance and Lipid Metabolism

Guest Editors:

Dr. Montserrat Esteve

Department of Biochemistry and
Molecular Biomedicine,
University of Barcelona,
Barcelona, Spain

Dr. Maria del Mar Romero

Department of Biochemistry and
Molecular Biomedicine,
University of Barcelona,
Barcelona, Spain

Deadline for manuscript
submissions:

closed (20 April 2023)

Message from the Guest Editors

Dear Colleagues,

Insulin resistance is one of the risk factors associated with obesity that is relevant to the development of metabolic syndrome (MetS). In fact, MetS is the group of determining risk factors leading to heart disease and stroke, being the leading cause of death in the world. It is known that lipid metabolism plays an important role in the development of insulin resistance. Thus, the type of diet, and therefore the components of the food (nutrients and non-nutrients), has a determining role in the regulation of metabolism, as well as in the development of insulin resistance. Numerous studies show that food components have biological effects at different levels, ranging from microbiota changes and regulating insulin resistance through the intestinal-brain axis to gene expression regulation.

In this Topic, we invite researchers to submit novelty papers on the effects of nutritional compounds related to lipid metabolism and insulin resistance. We welcome original research articles, animal and clinical studies, as well as review articles.





an Open Access Journal by MDPI

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)

Contact Us

Nutrients Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/nutrients
nutrients@mdpi.com
X@Nutrients_MDPI