

Special Issue

Nutritional Regulation of Insulin Resistance and Lipid Metabolism

Message from the Guest Editors

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.

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)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/121724

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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