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## 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.



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# Special Issue



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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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## Contact Us

*Nutrients* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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