

## Special Issue

# Nutrients, Bioactives and Insulin Resistance

### Message from the Guest Editors

Our understanding of insulin resistance remains limited, even though this condition is a considerable burden on human health. Diet has a major role in its onset and eventual progression to diabetes, however, at the same time, it is recognized that dietary constituents may provide a means to intervene, thus reducing the morbidity and mortality that stem from insulin resistance. Developing new paradigms to explain the effects of diet on glucose and lipid metabolism in the context of insulin resistance could lead to novel insights regarding approaches to intervene in these processes. This Special Issue will, thus, include original research and scientific perspectives on the relationship between insulin resistance and dietary constituents that may promote or prevent progression of this condition to diabetes. Mechanistic insights defining the contribution of diet to the occurrence and management of insulin resistance will provide additional details to our understanding of the clinical implications of insulin resistance.

---

### Guest Editors

Dr. Peter Zahradka

1. Department of Food and Human Nutritional Sciences, University of Manitoba, Winnipeg, MB R3T 2N2, Canada
2. Canadian Centre for Agri-Food Research in Health and Medicine, St. Boniface Hospital Albrechtsen Research Centre, Winnipeg, MB R2H 2A6, Canada
3. Department of Physiology and Pathophysiology, University of Manitoba, Winnipeg, MB R3E 0W2, Canada

Dr. Carla G. Taylor

Department of Human Nutritional Sciences, Faculty of Agriculture and Food Science, University of Manitoba, and Canadian Centre for Agri-Food Research in Health and Medicine, St. Boniface Albrechtsen Research Centre, 351 Tache Avenue, Winnipeg, MB, Canada R2H 2A6

---

### Deadline for manuscript submissions

closed (31 January 2018)



## Nutrients

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.0  
CiteScore 10.2  
Indexed in PubMed



[mdpi.com/si/9983](https://mdpi.com/si/9983)

*Nutrients*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[nutrients@mdpi.com](mailto:nutrients@mdpi.com)

[mdpi.com/journal/  
nutrients](https://mdpi.com/journal/nutrients)





# Nutrients

an Open Access Journal  
by MDPI

Impact Factor 5.0  
CiteScore 10.2  
Indexed in PubMed



[mdpi.com/journal/  
nutrients](https://mdpi.com/journal/nutrients)



## 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

### 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)