

## Special Issue

# Impact of Nutrition or FDA-Approved Medicine Repurposing Utilization on Metabolic Syndrome and Diabetic Complications

### Message from the Guest Editor

Both obesity and diabetes are global health threats, however the mortality of these patients are attributed their complications or specifically called metabolic syndrome and diabetic cardiovascular complications. Therefore the reviews or original studies on their pathogenic mechanisms, and interventionally application of nutrients, natural products that sufficiently stimulates body's defense system such as anti-oxidative stress and inflammation as well as improvement of insulin signaling (resistance) are welcome. In addition, in order to accelerate the clinical translation, currently FDA-approved or clinically-commonly used medicines that are repurposed for applying to stimulating Nrf2-mediated antioxidative and anti-inflammation, and Akt-mediated insulin signaling pathway are more welcome.

### Guest Editor

Prof. Dr. Lu Cai

1. Pediatric Research Institute, The Department of Pediatrics, University of Louisville, Louisville, KY 40202, USA
2. Wendy Novak Diabetes Care Center, Departments of Pharmacology and Toxicology, University of Louisville, Louisville, KY 40202, USA

### Deadline for manuscript submissions

closed (25 April 2022)



## Nutrients

an Open Access Journal  
by MDPI

Impact Factor 5.0  
CiteScore 9.1  
Indexed in PubMed



[mdpi.com/si/99600](https://mdpi.com/si/99600)

*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 9.1  
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 (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

---

### 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)