

## Special Issue

# Prebiotics and Probiotics in Metabolism Disorder

### Message from the Guest Editor

Microbial community structural and functional disorder (dysbiosis) has been linked to numerous diseases, including diabetes mellitus, obesity, cardiovascular disease, gastrointestinal disorders, mental disease, and cancer. The use of prebiotics or probiotic bacteria is a promising way to achieve disease prevention and treatment. Through prebiotics or probiotic supplementation for preventing the disruption of microbial communities, they represent an alternative health regulation strategy. Studies have revealed, especially, that consumption of prebiotics and probiotic supplementation, and resulting improvement in gut microbiota dysbiosis, significantly improve the overall health of patients with diabetes and metabolic diseases. This Topical Collection covers all aspects of using prebiotics and probiotics to treat diabetes and metabolism disorder in humans and model organisms (mammals, other vertebrates, and invertebrates). The goal of this Topical Collection is to provide a platform for all researchers to better understand importance of prebiotics and probiotics as therapeutic strategies for diabetes and metabolism disorder.

Kind regards,

---

### Guest Editor

Dr. Gang Wang

State Key Laboratory of Food Science and Technology, Jiangnan University, Wuxi 214122, China

---

### Deadline for manuscript submissions

closed (5 October 2024)



## Nutrients

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.0  
CiteScore 9.1  
Indexed in PubMed



[mdpi.com/si/124144](https://mdpi.com/si/124144)

*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 (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)