



*nutrients*



an Open Access Journal by MDPI

## The Effects of Dietary Protein, Polysaccharide and Micronutrient Fortification on Disease

Guest Editors:

**Dr. Yongting Luo**

Department of Nutrition and Health, Beijing Advanced Innovation Center for Food Nutrition and Human Health, China Agricultural University, Beijing 100083, China

**Dr. Junjie Luo**

Beijing Advanced Innovation Center for Food Nutrition and Human Health, Department of Nutrition and Health, China Agricultural University, Beijing 100083, China

Deadline for manuscript submissions:

**25 May 2024**

### Message from the Guest Editors

The observation that healthy diets are beneficial for human beings has boosted interest in the concept of “food as medicine” and “preventive treatment”. Proteins, polysaccharides, and micronutrients are versatile natural molecules that are ubiquitous in the biosphere and whose biological effects are either structure-, protection-, or storage-related. These bioactive nutrients modulate transcription factors involved in inflammation and oxidative stress, mitigate mitochondrial dysfunction, act as senolytics, and impact the epigenome by altering the metabolism. As a consequence, tailored diets fortified with proteins, polysaccharides, or micronutrients have been developed to ameliorate a wide array of diseases, such as metabolic disease, cardiovascular disease, intestinal disease, and neurodegenerative disease.

We invite well-designed research articles, reviews, and meta-analysis studies addressing the development, modulation, and characterization of new dietary strategies with bioactive protein, polysaccharide, and micronutrient fortification for the treatment of various disorders and their complications.



[mdpi.com/si/186534](https://mdpi.com/si/186534)

# Special Issue



# *nutrients*



an Open Access Journal by MDPI

## 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 & Dietetics*) / CiteScore - Q1 (*Nutrition and Dietetics*)

## Contact Us

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

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/nutrients](http://mdpi.com/journal/nutrients)  
[nutrients@mdpi.com](mailto:nutrients@mdpi.com)  
[X@Nutrients\\_MDPI](https://twitter.com/Nutrients_MDPI)