

Special Issue

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

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.

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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.

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