



Antioxidant Nutrients and Bioactive Compounds in the Prevention of Chronic Diseases

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Message from the Guest Editor

Dear Colleagues,

Consumption of diets containing low levels of nutrients and bioactive compounds characterized as antioxidants is associated with multiple chronic diseases, including but not limited to cardiovascular disease, diabetes, obesity, inflammatory bowel disease, and cancer. Several nutrients and bioactive compounds present in our foods and drinks not only have antioxidant activity but also protect against chronic diseases through a myriad of other mechanisms. Because some of these compounds reach the colon intact, they also impact the microbiome, and through modifications to the populations present there and their metabolism, they have further effects on chronic disease prevention.

The goal of papers published in this Special Issue is to share cutting-edge research defining the impact of antioxidant nutrients and bioactive compounds on chronic disease prevention. Original research (cell based, preclinical, and clinical) and critical reviews addressing the impacts of antioxidant nutrients and bioactive compounds on systemic physiology, metabolic pathways, signaling pathways, as well as the transcriptome, metabolome, microbiome, and epigenome are welcomed.





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