

Special Issue

Prevention Effects and Molecular Mechanisms of Dietary Bioactive Compounds Against Chronic Diseases

Message from the Guest Editor

Dietary bioactive compounds are a class of compounds derived from dietary sources and have relevant biological activity, especially the source from the food and medicine homology. After these bioactive compounds are ingested through diet or by innovative foods and supplements, they can prevent chronic diseases such as metabolic syndrome, type 2 diabetes, obesity, and Alzheimer's through various ways, such as gut microbiota or sugar and lipid metabolism intervention. At present, dietary bioactive compounds include flavonoids, stilbenes, terpenes, alkaloids, saponins, polysaccharides, etc., which have been reported to exhibit prevention effects in different chronic diseases. However, the underlying molecular mechanisms of their effect on prevention still need to be fully understood. In this Special Issue, we will collect and summarize the prevention activities of dietary bioactive compounds in different chronic diseases based on the in vitro study, in vivo study, or clinical trial

Guest Editor

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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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