



Molecular Mechanisms of Bioactive Nutrients Promoting Human Health

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Message from the Guest Editor

Dear Colleagues,

Substantial evidence has supported that cellular oxidative damage and chronic neuroinflammation are the potential mechanisms involved in the onset and development of non-communicable diseases, including obesity, diabetes, cancers, and even neurodegenerative disease. Some bioactive nutrients, such as phytochemicals, antioxidant enzymes, peptides, polysaccharides, prebiotics, probiotics, essential fatty acids, rare amino acids, minerals, and vitamins, have positive effects on human health and could reduce the likelihood of developing numerous diseases, probably attributed to their antioxidative and anti-inflammatory properties. However, the underlying mechanism of how natural bioactive components respond to chronic human disease damage is unclear. In this Special Issue, we aim to present the latest findings, including in vitro, animal, or clinical studies, relating to the health-promoting role of bioactive nutrients or their cellular signaling and molecular mechanism in response to disease prevention.





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Message from the Editor-in-Chief

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