

Special Issue

Dietary Bioactive Compounds: Implications on Inflammation and Oxidative Stress

Message from the Guest Editor

Edible natural products, such as fruits or vegetables, play a pivotal role in preventing chronic diseases associated with oxidative stress and inflammation. Oxidative stress is well recognized as a critical pathological factor in the development of degenerative neurological diseases, cardiovascular disorders, and metabolic diseases. Bioactive compounds in natural products, including polyphenols or flavonoids, exhibit a wide range of physiological functionalities through diverse antioxidant and anti-inflammatory actions. Despite several limitations, these compounds remain promising candidates in the development of natural-product-based therapeutics and health supplements due to their potential efficacy in promoting health.

This Special Issue aims to address the latest research trends in the efficacy and mechanisms of action of dietary bioactive compounds in diseases involving oxidative and inflammatory processes. We especially welcome innovative research articles that utilize modern cellular and molecular biological approaches to elucidate the mechanisms through which bioactive compounds exert effects across diverse molecular pathways.

Guest Editor

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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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