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Dietary Bioactive Compounds: Implications for Oxidative Stress and Inflammation

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Message from the Guest Editors

Dietary bioactives, particularly phytochemicals are recognized for their beneficial health properties, including their anti-inflammatory and antioxidant activities. Therefore, bioactives appear to be novel candidates for both pharmaceutical and nutraceutical applications. Nevertheless, some pharmacokinetic drawbacks, including reduced intestinal absorption, low bioavailability, and rapid metabolic modifications, should be assessed to exploit their therapeutical properties.

The purpose of this Special Issue is to collect and discuss the recent developments in research regarding all of the aspects of bioactive compounds that are involved in various diseases, mediated by inflammatory and oxidative processes. More specifically, original papers should focus on the implication of dietary bioactive compounds in different molecular pathways and propose modern cell and molecular biology methodologies. Furthermore, considering bioavailability as a key element to ensure the bio-efficacy of these compounds, studies on the absorption and metabolism of dietary bioactive compounds are appreciated. This Special Issue will include both original scientific researches and systematic reviews.



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Special Issue



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