

Special Issue

Dietary Bioactive Compounds: Implications for Oxidative Stress and Inflammation

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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Deadline for manuscript submissions

closed (15 June 2023)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/119954

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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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