

Special Issue

Plant Polyphenols and Human Health: Novel Findings for Future Therapeutic Developments

Message from the Guest Editors

A plethora of beneficial properties, including antioxidant, anti-inflammatory, antimicrobial and antiproliferative, have been associated to polyphenol-enriched food and plant byproducts, thus suggesting a possible role of these compounds in the prevention or treatment of several pathologies, such as neurodegenerative diseases, metabolic syndrome, diabetes, and cancer. Recent evidence has also highlighted the ability of some phenolics to boost antioxidant endogenous defenses, thus favoring health maintenance and infectious resilience. Consequently, polyphenols appear to be interesting candidates for both pharmaceutical and nutraceutical applications. However, some pharmacokinetic issues, including reduced intestinal absorption and bioavailability, and rapid metabolic modifications, should be assessed to fully exploit their remarkable properties. This Special Issue aims at collecting original articles and review papers evaluating the biological activities of plant polyphenols and phenolic-based plant byproducts, the mechanisms involved, and their clinical relevance review articles.

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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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