

Special Issue

New Insights on Bioactive Compounds for the Prevention and Management of Metabolic Syndrome

Message from the Guest Editors

Metabolic syndrome is characterized by the coexistence of different diseases including hypertension, obesity, insulin resistance and atherogenic dyslipidemia. New compounds are searched in order to prevent or reduce this cluster of diseases. In this regard, food and agri-food by-products contain different compounds such as phenolic compounds, fatty acids or peptides with antihypertensive, anti-hyperglycemic, anti-hypercholesterolemic, antioxidant and anti-inflammatory effects and also they can produce body weight loss or prevent against body weight gain.

The aim of this special issue is to collect original research manuscripts, meta-analysis and reviews dealing with the beneficial effect of bioactive compounds on metabolic syndrome and its associated diseases. Original research manuscripts, both using human and animal models, focused on the search and evaluation of the functional properties of original or known products, extracts, and single molecules from plants, food and agri-food by-products, as well as diets will be considered. Moreover, the in vitro or in vivo studies to elucidate the involved mechanisms in the effects of different bioactive compounds will be also welcomed.

Guest Editors

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Dr. Enrique Calvo Manso

Dr. Diego Morales

Deadline for manuscript submissions

closed (10 March 2023)



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About the Journal

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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