

Special Issue

Dietary Bioactive Compounds and Their Benefits for Human Health

Message from the Guest Editors

This Special Issue is focused on the use of dietary bioactive compounds, such as polyphenols, vitamins and micronutrients, for the development of innovative therapeutic strategies against many human diseases, including cancer, neurodegenerative diseases, metabolic and autoimmune pathologies. This therapeutic approach extended to multiple pathological conditions is allowed by the pleiotropic biological effects of phytochemicals, which can simultaneously target several molecular pathways, like those involved in the development of a chronic inflammatory state, of anti-apoptotic mechanisms, oxidative stress and insulin-resistance conditions. A healthy diet (such as the Mediterranean diet) can provide natural compounds that are able to restore the physiological condition of patients, counteracting the detrimental effects caused by a pro-inflammatory environment, an increase in ROS levels and development of several hallmarks of cancer. In this Special Issue, we invite your contributions, either in the form of original Research Manuscripts or Reviews, on the theme of “Dietary Bioactive Compounds and Their Benefits for Human Health”.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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