



Dietary Bioactive Compounds and Their Benefits for Human Health

Guest Editors:

Prof. Dr. Marco Giammanco

Department of Surgical,
Oncological and Oral Sciences
(DICHIRONS), University of
Palermo, 90127 Palermo, Italy

**Dr. Emanuele-Salvatore
Scarpa**

R&D Department, Mivell S.r.l.,
61032 Fano, Italy

Deadline for manuscript
submissions:

closed (25 February 2024)

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”.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)