

Special Issue

Characterization of Bioactive Compounds and Antioxidants in Natural Products

Message from the Guest Editor

In recent years, there has been a growing interest in the bioactive substances naturally occurring in plant materials. These compounds have beneficial effects on metabolic processes and human health. They protect the body against the harmful effects of free radicals, having strong antioxidant, antibacterial, anti-inflammatory and even anti-cancer effect. Along the wide spectrum of their effects, we should also mention their ability to lower cholesterol levels, regulate blood sugar levels, improve the functioning of the immune system and reduce the risk of developing neurodegenerative diseases, such as Alzheimer's disease. A large number of species, as well as the diversity of plant organs, pose new challenges related to the selection of methods for obtaining, processing and analyzing bioactive compounds from plant raw materials. The purpose of the Special Issue is to publish original scientific articles and review articles devoted to the characteristics of bioactive compounds and antioxidants derived from plant materials. We also welcome articles related to the methods of obtaining bioactive substances and to modern methods of identifying these compounds.

Guest Editor

Prof. Dr. Zbigniew Kobus
Department of Technology Fundamentals, University of Life Sciences,
Głęboka 28, 20-612 Lublin, Poland

Deadline for manuscript submissions

closed (20 December 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/171630

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

[applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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.

Editor-in-Chief

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

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), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)