



## Biological Activity and Applications of Natural Plant Compounds

Guest Editors:

**Dr. Melania Florina Munteanu**

Department of Pharmaceutical  
Science, Faculty of Pharmacy,  
“Vasile Goldis” Western University  
of Arad, 86 Liviu Rebreanu Street,  
310045 Arad, Romania

**Dr. Elena Moroşan**

Department of Clinical  
Laboratory and Food Safety,  
Faculty of Pharmacy, “Carol  
Davila” University of Medicine  
and Pharmacy, 6 Traian Vuia  
Street, 020945 Bucharest,  
Romania

### Message from the Guest Editors

Plants are a huge source of chemical compounds. Flavonoids, anthocyanins, tannins, and carotenoids represent some of the better known natural compounds.

The biological activity of natural plant compounds is expressed through their actions on the human body. Among the most important effects, we list antioxidant, anti-inflammatory, antimicrobial, antitumor, immunomodulatory, neuroprotective, antihypertensive and antidiabetic activity.

This Special Issue of *Applied Sciences* entitled “Biological Activity and Applications of Natural Plant Compounds” highlights the importance of the activity of natural plant compounds and the diversity of their pharmacological activities.

Deadline for manuscript  
submissions:

**30 September 2024**





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

## Contact Us

*Applied Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
X@Applsci