

Special Issue

Biological Activities of Medicinal Plants and Their Potential Applications

Message from the Guest Editors

As is well established, the use of plants in medicine is as old as mankind, even if, at the beginning, their medical application was predicated more on empiricism. However, when data pertaining to causes of diseases and the type of plant used as a remedy started to accumulate, the use of medicinal plants was no longer based on an empirical framework but rather facts and explanations.

Nowadays, the demand for new medicine to address medical challenges is extremely high, which is why research is being directed towards the compounds and active principles of plants, demonstrating that pharmacological screening is instrumental to the development of new agents. Therefore, the isolation and profiling of secondary metabolites from plants, either traditional medicinal plants or plants that have more recently emerged as having medicinal properties, may reveal interesting bioactivities and disclose sources of new drugs that can be used to treat many diseases. We welcome submissions of recent research on plants and their secondary and primary biological metabolites as important sources of compounds with therapeutic potential.

Guest Editors

Dr. Georgiana Duta-Cornescu

Faculty of Biology, University of Bucharest, Bucharest, Romania

Prof. Dr. Petros Tarantilis

Laboratory of Chemistry, Department of Food Science and Human Nutrition, Agricultural University of Athens, Iera Odos 75, 11855 Athens, Greece

Deadline for manuscript submissions

20 July 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/220230

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)