



## Essential Oil Characterisation and Biological Activity of Extracts of Medical Plants from Europe

Guest Editors:

**Prof. Dr. Valerija Dunkić**

Department of Biology, Faculty of  
Science, University of Split, 21000  
Split, Croatia

**Dr. Dario Kremer**

Pharmaceutical Botanical  
Garden Fran Kušan, Faculty of  
Pharmacy and Biochemistry,  
University of Zagreb, 10000  
Zagreb, Croatia

Deadline for manuscript  
submissions:

**closed (30 November 2021)**

### Message from the Guest Editors

Dear Colleagues,

Thanks to its geological and geographical position, Europe is rich in plant diversity. The use of herbs in folk medicine has been known since ancient times, which is why many plants are called medicinal plants. Many plants have essential oils as secondary metabolites, the content of which is a result of the interaction between the plants and their environment. According to their chemical composition, these volatiles are classified into different chemogroups. Specific chemogroups are characteristic of certain plant species, resulting in different plant odors. In addition, some components of these chemogroups are responsible for various biological activities such as antibacterial, antioxidant, antiphytoviral, antifungal and antiproliferative. These components thereby determine the use of these plants in medicine.

The theme of this Special Issue is European plant diversity based on the production of secondary metabolites. This is particularly important in these challenging times when we are turning more to the natural environment and the use of natural products as medicine for the soul and body.





# plants



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Dilantha Fernando**

Department of Plant Science,  
University of Manitoba, Winnipeg,  
MB R3T 2N2, Canada

## Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

## 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), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (*Plant Sciences*) / CiteScore - Q1 (*Plant Science*)

## Contact Us

---

*Plants* 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/plants](http://mdpi.com/journal/plants)  
[plants@mdpi.com](mailto:plants@mdpi.com)  
[X@Plants\\_MDPI](https://twitter.com/Plants_MDPI)