



Application of Plant Natural Compounds

Guest Editors:

Prof. Dr. Adriana Basile

Department of Biology, University
of Naples "Federico II", 80126
Naples, Italy

Dr. Sergio Sorbo

CeSMA, University Federico II of
Naples, 80126 Naples, Italy

Dr. Viviana Maresca

Department of Life Science,
Health, and Health Professions",
Link Campus University, 00165
Rome, Italy

Deadline for manuscript
submissions:

closed (10 June 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue will collect outstanding papers dealing with the Application of Plant Natural Compounds. So far, over 800 secondary metabolites of lichens have been discovered with a variety of biological activities such as antibiotic, antimicrobial, antiviral, anti-inflammatory, analgesic, antipyretic, antiproliferative and cytotoxic effects. Most plant compounds are antibiotic, antifungal, antiviral, and some are also antitumoral and could have applications in anticancer therapy.

Furthermore, plants are of great interest in the food industry for many purposes. They can be used as nutraceuticals, flavoring, dressing, preservatives, or decontaminating agents or they are exploited for their biological effects on body parts. And botanical compounds could be used as antiaging agents in cosmetics, due to the interesting content of antioxidants.

The challenge is discovering and demonstrating the effectiveness of plant substances for any purpose and that demands great scientific research effort to explore, discover, and share results in that immense field of scientific research.

Prof. Adriana Basile
Dr. Sergio Sorbo
Dr. Viviana Maresca
Guest Editors





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

Journal Rank: JCR - Q2 (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](https://twitter.com/AtApplsci)