

Special Issue

Sustainable Alternatives for Obtaining Natural Active Compounds

Message from the Guest Editor

This Special Issue is focused on strategies aimed at balancing the demand for compounds with ecological and ethical considerations including, but not limited to, the following: green extraction techniques, biotechnology-driven solutions, exploration of invasive plant species that have negative ecological and health impacts, and the cultivation of microorganisms to produce bioactive molecules efficiently, replacing traditional plant-based sources. The extraction of active natural compounds from industrial plant waste materials involves recovering valuable bioactive compounds from agricultural, forestry, or agro-industrial byproducts. This practice is gaining significant attention due to its potential environmental benefits, including reducing waste disposal costs, conserving resources, and producing high-value products for various industries. This Special Issue will also examine the ethical implications of natural compound extraction and strategies to promote responsible sourcing and biodiversity conservation. For this Special Issue, original research articles and reviews are welcome. I look forward to receiving your contributions.

Guest Editor

Dr. Georgiana Nitulescu
Faculty of Pharmacy, "Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania

Deadline for manuscript submissions

closed (31 August 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/185925

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)