

## Special Issue

# Biological Activity, Chemical Characterization and Contaminants of Plants and Waste

### Message from the Guest Editors

The sustainable use of plants and waste materials as sources of bioactive compounds is an important area of research. By identifying and utilizing these resources, researchers can reduce reliance on synthetic chemicals and promote a more eco-friendly approach to medicine and agriculture. This Special Issue welcomes scientific contributions, including research papers, short communications, and review articles, focusing on recent advances in the chemical features of naturally derived compounds from plants and waste materials. The scope of the Special Issue includes topics such as extraction, separation, and isolation techniques for these compounds, as well as their biological activities and associated health benefits. We encourage authors to explore the potential applications of these compounds in various fields, including medicine, agriculture, and environmental science, and to highlight sustainable and eco-friendly approaches. We invite researchers to contribute their latest findings and insights into this important and growing field of study.

---

### Guest Editors

**Dr. Marta Mesías**

Characterization, Quality and Safety Department, Institute of Food Science, Technology and Nutrition, ICTAN-CSIC, José Antonio Novais 6, 28040 Madrid, Spain

**Dr. Tiane Finimundy**

Centro de Investigação de Montanha (CIMO), Laboratório Associado para a Sustentabilidade e Tecnologia em Regiões de Montanha (SusTEC), Instituto Politécnico de Bragança, Campus de Santa Apolónia, 5300-253 Bragança, Portugal

---

### Deadline for manuscript submissions

closed (30 August 2024)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



[mdpi.com/si/169734](https://mdpi.com/si/169734)

*Applied Sciences*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

[mdpi.com/journal/  
appls](https://mdpi.com/journal/appls)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



[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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)