

## Special Issue

# Bioactive Compounds from Various Sources: Beneficial Effects and Technological Applications

### Message from the Guest Editor

Bioactive compounds are substances capable of positively influencing health and contributing to the prevention of different diseases. These compounds, extracted and characterized by various techniques, mostly originate from plant (phytochemicals), but also animal and, more recently, they have also been extracted from waste material.

Bioactive compounds are substances capable of modulating biological activities and important physiological functions, including some of the following multiple effects: antioxidant and anti-inflammatory activity, modulation of detoxification enzymes, stimulation of the immune system, modulation of hormonal metabolism, antibacterial and antiviral activity, and antiproliferative activity. Therefore, studies on these compounds will be able to provide further evidence of their functions and mechanisms of action in physiological and/or pathological conditions, allowing their use in various fields, such as food, pharmaceutical, cosmetic, and herbal.

---

### Guest Editor

Dr. Monica Gallo

Department of Molecular Medicine and Medical Biotechnology,  
University of Naples Federico II, via Pansini, 5, 80131 Naples, Italy

---

### Deadline for manuscript submissions

closed (15 May 2021)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/45568](https://mdpi.com/si/45568)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto: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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )