

Special Issue

Research on the Antioxidant, Antibacterial and Anti-drug Properties of Plant Ingredients

Message from the Guest Editors

Natural extracts and essential oils have recently been studied against resistant pathogenic microorganisms whose higher resistance to conventional drugs represents a dramatic problem for human health and healthcare. It has been shown that their supplementation protected the sensory properties of foods, contributes significantly to increasing shelf life, and decrease food waste. Furthermore, their supplementation can reduce cellular oxidative stress, typical of cardiovascular, inflammatory, and neurodegenerative diseases, and certain types of cancer. Consequently, due to such a vast repertory of beneficial outcomes, natural extracts and essential oils are always fascinating to research fields. Also, it must be considered that agricultural by-products and waste products can also represent a precious source of antioxidants and preservatives. We warmly encourage you to submit your investigation findings to this Special Issue, which intends to collect original research manuscripts, systematic reviews, and meta-analyses covering all aspects of natural antioxidants and antibacterial applications and properties and health effects.

Guest Editors

Prof. Dr. Călin Jianu

Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Calea Aradului 119, RO-300645 Timișoara, Romania

Prof. Dr. Georgeta Pop

Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Calea Aradului 119, RO-300645 Timișoara, Romania

Deadline for manuscript submissions

closed (10 November 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/89037

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/

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





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)