Special Issue

Advances and Applications of Antioxidant Activity of Natural Compounds from Plants

Message from the Guest Editors

This edition aims to explore and disseminate advances and applications of the antioxidant activity of natural plant compounds, focusing on the latest innovations, challenges, and applications in human health, food industry, and cosmetics. The antioxidant activity of natural plant compounds is a constantly evolving field of study; however, some challenges still need to be overcome:

Stability:

Potential toxicity;

Source and administration route:

Bioavailability:

Paradoxical effect;

Individualized treatments;

Antioxidants and Aging.

In this Special Issue, original research papers or review articles focused on all aspects related to advances and applications of the antioxidant activity of natural plant compounds are welcome.

Guest Editors

Dr. Fernanda Barbisan

Health Sciences Center, Federal University of Santa Maria (UFSM), 1000 Roraima Avenue, Santa Maria, Brazil

Dr. Marina Prigol

Laboratory of Pharmacological and Toxicological Evaluations Applied to Bioactive Molecules, Federal University of Pampa (UNIPAMPA), Itaqui 97546-550, Brazil

Deadline for manuscript submissions

20 January 2026



Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



mdpi.com/si/204967

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

mdpi.com/journal/applsci





Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



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)

