

## Special Issue

# Botanical Extracts: Biological Activities, Nanoformulations and Application

### Message from the Guest Editors

The scope of this Special Issue is to provide an interdisciplinary platform for recent advances in the discovery, characterization, and utilization of plant-derived bioactive compounds. Botanical extracts have long been recognized as valuable sources of therapeutic molecules, functional ingredients, and natural protectants in the fields of agriculture, food, and health sciences. In recent years, progress in extraction technologies, chemical profiling, and molecular biology has significantly expanded our understanding of their complex biological activities, including antioxidant, antimicrobial, anti-inflammatory, antifungal, and anticancer properties. This Special Issue welcomes contributions that highlight the translational applications of botanical extracts and their formulations in medicine, nutrition, crop protection, and biotechnology. Both original research articles and comprehensive reviews are invited to stimulate cross-disciplinary dialogue and promote innovative solutions that bridge traditional knowledge with modern scientific approaches.

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### Guest Editors

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### Deadline for manuscript submissions

20 October 2026



## Applied Sciences

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### 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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