

Special Issue

Biological Activity of Plant Extracts and Their Application

Message from the Guest Editors

- Plant extracts have long been recognized as a treasure trove of bioactive compounds, offering immense potential for a wide range of applications in medicine, agriculture, cosmetics, and food industries. These natural products, often rich in polyphenols, alkaloids, terpenoids, and other secondary metabolites, have demonstrated remarkable biological activities, including antimicrobial, antioxidant, anti-inflammatory, and anticancer properties. The growing interest in sustainable and natural solutions further highlights the importance of leveraging plant-based resources in addressing global challenges.
- This Special Issue of *Applied Sciences* aims to bring together cutting-edge research on the discovery, characterization, and application of plant extracts and their bioactive components. We welcome original research articles and comprehensive reviews that explore innovative extraction methods, structure-activity relationships, and the mechanisms underlying their biological activities. Contributions focusing on their integration into novel therapeutic, agricultural, or industrial solutions are particularly encouraged.

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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.

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