

Special Issue

Advanced Phytochemistry and Its Applications

Message from the Guest Editors

Phytochemicals are naturally occurring plant metabolites that are also found in some fungi and animals, like crustaceans. They include various compounds such as saponins, terpenes, essential oils, glucosinolates, cyanogenic glucosides, flavonoids, and phenolic acids. These compounds have been extensively studied for their many health-promoting properties against non-communicable and infectious diseases. The latest research focuses on developing green extraction methods to obtain these compounds, improving their bioavailability (as they often have low bioavailability), and exploring their potential as biocidal agents against agricultural pathogens. This Special Issue highlights the various applications of phytochemicals, including their use in pharmacology, the food industry, dietary supplements, agriculture, the cosmeceutical industry, and in circular economy initiatives to extract phytochemicals from waste.

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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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