Special Issue

Phytochemical Compounds and Antioxidant Activity

Message from the Guest Editors

We are currently facing an surge in the usage of plantderived products as a source of phytochemical compounds for various medicinal problems. The fact that approximately 80% of the world's population use some form of traditional medicine, including phytotherapy, attests to the need for constant research in this area. Plants are a rich source of ingredients, including various biologically active organic components such as phenolic acids, flavonoids, tannins, vitamins and minerals (macro-, micro- and trace elements). The content of each of these components in plants can contribute to their antioxidant capacity. In this Special Issue, we welcome original research papers and reviews that are focused on a range of plant extraction processes, especially green extraction methods, phytochemical analysis using various analytical techniques, the determination of the composition of trace elements that may be beneficial due to their antioxidant potential, and in vitro and in vivo assays to clarify the molecular mechanisms of phytochemicals.

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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 multidimensional network.

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