Special Issue

Novel HPLC-Assisted Method for Investigation of the Antioxidant Activity of Plant Extracts

Message from the Guest Editor

Various phytochemicals and bioactive compounds are sourced from medicinal plants and have an impact on pharmaceutical, nutraceutical, and functional food industries. Particular attention has been devoted to the creation of convenient and reliable methods for studying the antioxidant activity of plant extracts. A relatively new development in this field is the HPLC-assisted techniques, combining chromatographic analysis and pre-/post-column derivatization of the sample with the use of various agents, thereby avoiding the expensive isolation and purification steps. Therefore, contributions to this Special Issue may cover all research aspects related to medicinal, aromatic, and edible plant extracts; development of HPLC-assisted methods for investigation of the antioxidant activity of plant extracts; characterization of investigated plant extracts, including (but not limited to) methods for their extraction, purification, comprehensive profiling characterization, and the quantification and elucidation of their mechanisms of action with a focus on antioxidant activity.

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Deadline for manuscript submissions

closed (10 December 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/50262

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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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