

Special Issue

New Frontiers in Plant Based Functional Food

Message from the Guest Editors

Undervalued by-products generated from the agro-food industry have been the preferred sources of less expensive and renewable added-value bioactive molecules. Plant-based nutrients have experienced huge demand in the past few years, mainly due to animal-derived product consumption issues (i.e., veganism and vegetarianism). Alongside the production of plant-derived products, a number of undervalued by-products are produced (e.g., leaves, stems, roots, etc.), especially rich in medium and long-chain carbohydrates (e.g., xylooligosaccharides and lignin), lipids (e.g., fatty acids, phytosterols and carotenoids), proteins and other minor constituents (e.g., phenolic compounds) that are well known for their functional properties, prebiotic and antioxidant activity, respectively. For this reason, our goal is to solicit the submission of the most recent original papers or reviews regarding the recovery of bioactive compounds, from plant by-products, to work as functional ingredients with application in the food industry.

Guest Editors

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Deadline for manuscript submissions

closed (20 June 2022)



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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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