

Special Issue

Investigation of the Flavour Profiles of Plant-Based Foods

Message from the Guest Editors

Through the shift towards more sustainable and environmentally friendly nutrition, many new plant-based foods are emerging on our plates. However, the flavour properties of this novel food category, which is often linked with off-flavours, has not yet been thoroughly investigated. Therefore, the understanding of the flavour properties of these novel food products at a molecular level is essential for their improvement. For this reason, this Special Issue focuses on the characterization of flavour-active compounds that are responsible for the odour and taste of plant-based foods and novel plant-based-food raw materials by methodologies that combine both instrumental analysis and human sensory perception, using analytical techniques such as gas chromatography-mass spectrometry, gas chromatography-olfactometry, taste-activity-guided fractionation in combination with HPLC-MS/MS analysis and other state-of-the-art instrumental techniques, as well as sensory evaluation.

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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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