

Special Issue

Chromatography/Mass Spectrometry for the Determination of Food Authenticity and Food Analysis

Message from the Guest Editor

The authenticity of food is a characteristic highly valued by consumers, and for this premium prices will be paid. Food fraud, which refers to the adulteration of food with the fraudulent intention of enhanced financial gain, has become an serious problem. Therefore, methods of analysis that are able to prove authenticity and detect possible adulterations are in high demand. Liquid and/or gas chromatography and mass spectrometric detection have become essential techniques in food analysis. They enable sensitive targeted analysis to be performed if the markers for specific adulterations are known; if such markers are not known, they facilitate non-targeted analysis (NTA). NTA provides a wealth of information from which multi-variate analysis can filter out possible specific markers or groups of suspicious test samples. This Special Issue aims to compile papers in which LC- and/or GC-MS have been utilized to analyze food in order to detect adulteration and that exemplify recent advances in food authentication.

Guest Editor

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