



Current and Future Trends in Chemical Analysis of Food: Techniques and Applications

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Message from the Guest Editors

This Special Issue aims to present the current analytical techniques used to analyse food products, their structure and quality. In addition, it focuses on the trends and novel approaches in the field of separation, quantification and characterisation methods for analysing any substance or microorganism in food.

The quality of the obtained data is also a vital issue that supports the justification of the legislation or regulations regarding the consumption of food. Due to the complexity of food matrices, the quantification of different compounds requires advanced sample preparation technologies coupled with advanced hyphenate instrumentation.

These techniques range from non-invasive and non-destructive techniques, such as spectroscopic techniques, imaging techniques, machine vision, and electronic noses, to emerging areas, such as nanotechnology and biosensors, including those that are already well-established in food analysis, such as chromatographic and electrophoretic techniques, and other tools for solving problems in chemical and biological analysis, such as mass spectrometry and molecular-based techniques.





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Message from the Editor-in-Chief

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