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Application of LC-MS/MS in Food Analysis and Quality Control

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Message from the Guest Editors

Liquid chromatography (LC) is probably one of the most used analytical techniques in the separation of individual compounds in foods. It is usually applied in the characterization of bioactive compounds and aroma-related compounds to foods, or in the determination of food contaminants such as pesticides, veterinary drugs or antibiotics. In the last years, its coupling with tandem mass spectrometry (MS/MS) has increasingly been used for Food Analysis and Quality Control. This is probably due to the high performance in terms of sensitivity, selectivity, and flexibility, which is quite important when addressing various issues concerning food safety. In addition, food contains a wide variety of nutritional components, which determination is of great importance in order to increase and demonstrate the nutritional value of these products.

This Special Issue is a unique opportunity to gather state-of-the-art of LC-MS/MS-based methods to control the safety and bioactivity of foods, as well as its quality control. Therefore, papers dealing with both the LC-MS/MS method development and with their application on food analysis and quality control, will be welcome.



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Special Issue



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Message from the Editor-in-Chief

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