

Special Issue

Application of Chromatographic and Related Techniques in the Detection of Food Chemical Residues

Message from the Guest Editors

Food safety is one of the main challenges when it comes to ensuring the health of consumers and the quality of products. There is a growing demand for simple and reliable analysis of contaminants in foods and supplements to achieve this. The new strategies of sample preparation are moving toward greener and eco-friendly techniques, which use less sorbent and solvent and smaller sample sizes. This Special Issue will highlight analytical separations based on chromatography and their hyphenation with chromatography, mass spectrometry and related techniques. Recent improvements in sample preparation techniques for different contaminants in foods and supplements based on analytical (micro)extraction and new extraction solvents such as natural deep eutectic solvents will also be covered. Some of the topics that will be discussed include:

- New extraction phases and technologies;
- Contaminants of emerging concern and current issues;
- Food control and analysis;
- New devices and techniques;
- New strategies in metabolomics;
- Green analytical chemistry and metrics;
- Chemometric tools.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2024)



Separations

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CiteScore 4.5



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Editor-in-Chief

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