Special Issue

Coupling of Chromatography and Mass Spectrometry Analysis in Food, Medicine, and Biological Samples

Message from the Guest Editors

Gas or liquid chromatography coupled to tandem mass spectrometry (LC–MS/MS) has become a key technique for modern high-throughput omics technologies and is currently a method of choice for screening drugs, pesticides, and metabolites in complex biological mixtures. This Special Issue aims to collect contributions on the most recent advances in the field of GC–MS/MS or LC–MS/MS approaches applied to the analysis in food, medicine, and biological samples. Topics of interest are novel GC–MS/MS or LC–MS/MS instruments and its advantages; state-of-the-art approaches to GC–MS/MS- or LC–MS/MS-based approaches for the analysis of food, medicine, and biological samples; development of databases of MS/MS spectra, retention times, collision cross-sections, etc.; computational approaches for the prediction of MS/MS spectra, retention times, collision cross-sections, etc.; and novel techniques for increasing the reliability of compound identification. Other relevant topics will also be considered.

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Deadline for manuscript submissions

closed (31 December 2022)

Separations

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CiteScore 4.5

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