

Special Issue

Emerging Trends in Liquid Chromatography and Mass Spectrometry-Based Analyses of Pharmaceuticals

Message from the Guest Editors

Liquid chromatography (LC) coupled with mass spectrometry (MS) can be considered a high-performing technique, widely applied for various purposes, particularly suitable to detect and quantify analytes even in complex matrices and/or in traces. LC-MS analytical methods generally offer improved selectivity, sensitivity and accuracy compared to other methods, especially when tandem mass (MS/MS) techniques or high-resolution mass spectrometry (HRMS) are employed. Among the others, LC-MS analytical methods found wide and successful applications in the pharmaceutical field. The aim of this Special Issue is to collect original and review articles related to the recent applications of LC-MS techniques for the identification and quantitation of pharmaceutical compounds, both well-known and potential new drugs, in biological and pharmaceutical formulations, to provide the current state of the art of LC-MS applications in the pharmaceutical field.

Guest Editors

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Deadline for manuscript submissions

closed (25 July 2025)



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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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