

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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Dr. Rita Petrucci

Deadline for manuscript submissions

closed (25 July 2025)



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Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*.

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We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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