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 highresolution 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

Dr. Martina Bortolami

Dr. Paola Di Matteo

Dr. Rita Petrucci

Deadline for manuscript submissions

closed (25 July 2025)



Pharmaceuticals

an Open Access Journal by MDPI

Impact Factor 4.8 CiteScore 7.7 Indexed in PubMed



mdpi.com/si/196872

Pharmaceuticals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceuticals@mdpi.com

mdpi.com/journal/ pharmaceuticals





Pharmaceuticals

an Open Access Journal by MDPI

Impact Factor 4.8 CiteScore 7.7 Indexed in PubMed



About the Journal

Message from the Editor-in-Chief

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*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us.

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

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Cièncias, Universidade de Lisboa, Lisboa, Portugal

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)

