Special Issue

Advances in the Analysis of Bioactive Plant Extracts: Separation Techniques and Their Applications

Message from the Guest Editors

Natural products remain an abundant source of structurally diverse and biologically active compounds with potential pharmaceutical applications. With the continuous advancement of analytical methodologies, the quantification, identification, and characterization of constituents derived from natural sources have become more accurate and efficient. This Special Issue aims to gather original research and review articles focusing on the latest analytical approaches applied to natural products and pharmaceuticals, including innovative chromatographic and spectroscopic techniques and hyphenated methods (e.g., LC-MS, GC-MS, NMR). Emphasis will also be placed on the standardization, quality control, stability, and bioavailability of plant-derived compounds, as well as the challenges and solutions in metabolite profiling and analytical validation. We warmly invite contributions from scientists working across the fields of pharmaceutical analysis, natural product chemistry, and bioactive compound research.

Guest Editors

Dr. Saša Savić

Dr. Sanja Petrovic

Prof. Dr. Zorica Knežević-Jugović

Deadline for manuscript submissions

10 January 2026

Separations

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.5

mdpi.com/si/239588

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

mdpi.com/journal/separations

Separations

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.5

mdpi.com/journal/separations

MDPI

About the Journal

Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman
Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

Author Benefits

High Visibility:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.3 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.