Special Issue

Advances in Chemical Fingerprint Assessment and Analytical Isolation of Natural Products and Pharmaceuticals

Message from the Guest Editor

Natural Products and Pharmaceuticals are a rich resource of potential therapeutics, and they have broad, synergistic actions on physiological systems and a relatively lower incidence of adverse events. Moreover, they have been used as natural remedies to prevent and cure diseases for a long time. Fingerprint analysis has emerged as a very useful technique to assess the quality of natural products by evaluating the whole chemical profile and extracting a pattern to assess the individual material or formulation. HPLC fingerprinting could be used for the comprehensive evaluation and quality assessment of Natural Products and Pharmaceuticals, providing a theoretical basis for future development and utilization. Quality control necessitates the separation and quantification of molecules and the use of advanced techniques for the precise characterization of ingredients. These techniques can also be improved and updated to reduce the costs and minimize sample preparation and the consumption of solvents. Chemical fingerprinting could be [...] for further reading, please follow the link to the Special Issue Website at:https://www.mdpi.com/journal/separations/special_issues/WP7BQ554O2

Guest Editor

Dr. Arianna Granese

Department of Chemistry and Technologies of Drug, Sapienza University of Rome, piazzale A. Moro 5, 00185 Rome, Italy

Deadline for manuscript submissions

closed (20 May 2024)

Separations

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.