Special Issue

Extraction, Purification and Application of Bioactive Compounds

Message from the Guest Editors

The extraction and purification of bioactive compounds from natural sources is a key focus area in research and industry. Extraction methods vary depending on factors such as the target compound, source material, and desired purity. Common techniques include solvent extraction, supercritical fluid extraction, and solid-phase extraction. After extraction, purification steps are often necessary to remove impurities and concentrate the bioactive compounds. The procedures chosen for this may include chromatographic methods, such as column chromatography, high-performance liquid chromatography (HPLC), and preparative thin-layer chromatography (TLC), or methods like crystallization, filtration, and distillation, depending on the properties of the compounds and the desired level of purity. The aim of this Special Issue is to provide information on recent developments in the chemical investigation of bioactive compounds, emphasizing the extraction, separation and analysis of these compounds via chromatographic and spectral techniques.

Guest Editors

Dr. Naoufal El Hachlafi

Dr. Hanae Naceiri Mrabti

Dr. Amine Elbouzidi

Deadline for manuscript submissions

closed (31 October 2024)



Separations

an Open Access Journal by MDPI

Impact Factor 2.7 CiteScore 4.5



mdpi.com/si/205541

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



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.

