Special Issue

Extraction and Characterization of Phenolic Compounds from Foods and Food Byproducts by Targeted and Untargeted LC-MS Methods

Message from the Guest Editors

This Special Issue delves into the cutting-edge advancements in the application of Liquid Chromatography–Tandem Mass Spectrometry (LC-MS/MS) and non-conventional innovative extraction techniques for the recovery and characterization of phenolic compounds. Phenolic compounds, widely distributed in plants, play a pivotal role in various biological activities and are of significant interest in fields ranging from food processing and agri-food side streams to nutrition and medicine. The collection of articles within this Special Issue spans diverse topics, including innovative extraction techniques, method development for comprehensive phenolic compound analysis/phenolic profiles of the extracts and the elucidation of the biological roles and health implications of these compounds. The key themes covered in this Special Issue include:

- Methodological Advances: The Special Issue showcases novel methodologies for extracting phenolic compounds from complex matrices, focusing on optimizing sample preparation techniques and [...] For further reading, please follow the link to the Special Issue Website at:https://www.mdpi.com /journal/separations/special_issues/OOT9EC337O

Guest Editors

Dr. Thalia Tsiaka

Department of Food Science and Technology at the University of West Attica, Athens, Greece

Prof. Dr. Vassilia J. Sinanoglou

Instrumental Food Analysis, Laboratory of Chemistry, Analysis & Design of Food Processes, Department of Food Science and Technology, Food Sciences School, University of West Attica, 12210 Egaleo, Greece

Deadline for manuscript submissions

closed (10 June 2024)

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.