



Application of Chromatography and Different Extraction Techniques in Analysis of Polyphenolic Compounds

Guest Editors:

Prof. Dr. Danijela Ašperger

Department of Analytical Chemistry, Faculty of Chemical Engineering and Technology, University of Zagreb, Zagreb, Croatia

Dr. Ivana Tomaz

Department of Viticulture and Enology, Faculty Agriculture, University of Zagreb, 10 000 Zagreb, Croatia

Deadline for manuscript submissions:

closed (20 February 2023)

Message from the Guest Editors

Polyphenolic compounds comprise a diverse class of chemical compounds present in different plants. Analysis of these compounds could be a challenge due to the complexity of plant materials and polyphenols. Notably, chromatographic methods are the golden standard for the separation and quantitation of these interesting molecules. Due to the different properties of various plant materials, it is mandatory to have a precise and reliable extraction and chromatographic method for the analysis of phenolic compounds.

This Special Issue will comprise research articles, short communications, and reviews related to the main analytical tools used for the analysis of polyphenolic compounds. Manuscripts concerning new analytical approaches with regard to plants, foods, and other products are welcome. Furthermore, research regarding other aspects, such as the application of chromatographic methods for the determination of polyphenolic compounds in a different type of sample, is also encouraged.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Frank L. Dorman

Department of Chemistry,
Dartmouth College, Hanover, NH
03755, USA

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [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).

Contact Us

Separations Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/separations
separations@mdpi.com
[X@Sep_MDPI](#)