

## Special Issue

# Composition Analysis and Biological Properties Evaluation of Plants

### Message from the Guest Editors

Plants are sources of bioactive natural compounds. Due to their anti-inflammatory, anticarcinogenic, antioxidant, and antibacterial properties, these substances are essential for maintaining human health. These properties can have a positive impact on a variety of disorders, including autoimmune, cardiovascular, cancer, inflammatory, and neurological conditions. This Special Issue's objective is to find the potential natural compounds that are beneficial to human health. This Special Issue includes a selection of research articles or reviews that highlight recent advances in the study of plant metabolites, including methods for their isolation, with an emphasis on green technology, separation techniques (chromatography), and identification (mass spectrometry, NMR), in addition to studying their antioxidant, antimicrobial, and antiproliferative activity.

---

### Guest Editors

Dr. Azra Đulović

Faculty of Chemistry and Technology, University of Split, Split, Croatia

Prof. Dr. Ivica Blažević

Department of Organic Chemistry, Faculty of Chemistry and Technology, University of Split, 21000 Split, Croatia

---

### Deadline for manuscript submissions

closed (30 April 2024)



## Separations

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 4.5



[mdpi.com/si/186988](https://mdpi.com/si/186988)

*Separations*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[separations@mdpi.com](mailto:separations@mdpi.com)

[mdpi.com/journal/  
separations](https://mdpi.com/journal/separations)





# Separations

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 4.5



[mdpi.com/journal/  
separations](https://mdpi.com/journal/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.