

Special Issue

Application of Deep Eutectic Solvents in Green Separation Chemistry

Message from the Guest Editors

Organic solvents are useful for dissolving certain materials and substances. Most organic solvents are volatile organic compounds (VOCs). Deep eutectic solvents (DESs) were introduced in 2003, and their “green” properties have attracted increasing attention. DESs have been applied rapidly in organic reactions, material synthesis, extraction, electrochemistry, catalysis, biotreatment, and enzyme reactions. DESs have been implemented widely in the extraction and production of various target compounds and as green extracting agents. Therefore, it is my pleasure to invite you to contribute your research article, communication, or review to this Special Issue which aims to present the latest advances in the research, development, and application of deep eutectic solvents. Different thematic areas will be included such as DESs in the green separation process, applications in extractions and capillary electrochromatography, the synthesis of new types of DESs and their special properties, the experimental application of extraction in DESs in industrial scales, molecular dynamics studies to understand mechanisms and interactions with DESs, etc.

Guest Editors

Dr. Bušić Valentina

Faculty of Food Technology Osijek, Josip Juraj Strossmayer University of Osijek, Franje Kuhača 18, 31000 Osijek, Croatia

Dr. Maja Molnar

Faculty of Food Technology Osijek, Josip Juraj Strossmayer University of Osijek, Franje Kuhača 18, 31000 Osijek, Croatia

Deadline for manuscript submissions

closed (10 February 2025)



Separations

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 4.5



mdpi.com/si/180885

Separations
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second 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.