Special Issue

Application of Ionic Liquids in Separation Science

Message from the Guest Editors

Due to their unique properties, such as low volatility, tunability and relatively easy recyclability, ionic liquids have been deeply studied in the past few years as alternative solvents. They have been used in a wide variety of applications, namely, organic synthesis, electrochemistry, catalysis for clean technology, polymerization processes and separations. The extraction and fractionation of different molecules, from simple solutions up to complex matrices, in gas, liquid and solid state, have been studied more effectively over the last several years. In fact, these methods have led to a higher interest in using these alternative solvents in gas separation membranes and in the selective separation of rare earth elements. Nonetheless, the purification of different types of biomolecules is still of high importance. Therefore, this Special Issue aims to publish new research in the separation field, using ionic liquids as alternative solvents. Here, researchers are invited to share their original work within the scope of all types of separations with ionic liquids.

Guest Editors

Dr. Catarina Seiça Neves

Dr. Filipa A. Vicente

Dr. Jorge F. B. Pereira

Dr. João Henrique Picado Madalena Santos

Deadline for manuscript submissions

closed (10 December 2023)

Separations

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.5

mdpi.com/si/114524

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

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 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.