

## Special Issue

# Separation Technology for Metals Recovery

### Message from the Guest Editors

Hydrometallurgy is a method in the field of metallurgy that allows for the recovery of metals and their separation in a simple and cheap manner, even from low-quality resources. The techniques involved, e.g., solvent extraction, ion exchange, electrochemistry and membrane techniques, allow for the selective and effective separation of metals. The advantage is high selectivity and purity of the obtained products, which could be dedicated to various areas of application, even demanding ones such as medicine, the defense industry, aviation or electromobility. Hydrometallurgical methods are used to produce many metals, mainly copper, nickel, cobalt, precious metals, rhenium, rare earth metals, etc. Many of them are defined as critical raw materials for the world. As such, this Special Issue is dedicated to separation technology for metal recovery, with a particular emphasis on the production of innovative materials using these methods and new analytical techniques.

### Guest Editors

Dr. Katarzyna Leszczyńska-Sejda

Łukasiewicz Research Network—Institute of Non-Ferrous Metals, 44-100 Gliwice, Poland

Dr. Andrzej Chmielarz

Łukasiewicz Research Network—Institute of Non-Ferrous Metals, 44-100 Gliwice, Poland

### Deadline for manuscript submissions

closed (10 August 2024)



## Separations

an Open Access Journal  
by MDPI

Impact Factor 2.7  
CiteScore 4.5



[mdpi.com/si/198314](https://mdpi.com/si/198314)

*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.