Special Issue

Solid Waste Recycling and Strategic Metal Extraction

Message from the Guest Editors

This Special Issue of *Separations* delves into advanced separation technologies for the valorization of solid waste and the enrichment of rare earth elements (REEs). This Special Issue invites contributors to submit innovative research, review articles, and case studies that highlight a comprehensive array of methodologies, including, but not limited to, the value-added utilization of biomass, synthesis of adsorption materials, and efficient enrichment and extraction of REEs. The focus of this Special Issue is on developing processes that are efficient, environmentally friendly, and economically viable to achieve resource recovery from solid waste and meet the growing demand for REEs.

Guest Editors

Dr. Lihui Gao

Dr. Daoguang Teng

Dr. Shulei Li

Dr. Chunlin He

Deadline for manuscript submissions

10 June 2026



Separations

an Open Access Journal by MDPI

Impact Factor 2.7 CiteScore 4.5



mdpi.com/si/229776

Separations
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
separations@mdni.com

mdpi.com/journal/separations





Separations

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.5



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.

