

## Special Issue

# Advances in Membrane Technology for Separation

### Message from the Guest Editor

Driven by pressing global challenges in resource sustainability, water security, energy transition, and environmental protection, the demand for efficient, selective, and sustainable separation processes has never been greater. Membrane technology, with its modular design, potential for low energy consumption, and exceptional separation capabilities, continues to evolve beyond its traditional domains. This Special Issue aims to capture the most exciting and transformative advances across the entire spectrum of membrane science and engineering. We invite original research articles, reviews, and perspectives that explore cutting-edge developments in, but not limited to, the following areas:

- Next-generation membrane materials;
- Innovative processes and hybrid systems;
- Energy and environmental applications;
- Fundamental insights and characterization;
- Scale-up and sustainable design.

This Special Issue seeks to provide a comprehensive platform for researchers to share breakthroughs that push the boundaries of selectivity, permeability, stability, and sustainability, ultimately contributing to smarter and cleaner separation solutions for the future.

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### Guest Editor

Dr. Pengjia Dou

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### Deadline for manuscript submissions

20 June 2026



## Separations

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## 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.

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### Editor-in-Chief

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#### High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q2 (Analytical Chemistry)

#### 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).