

## Special Issue

# Recent Advances in Gas Separation and Purification

### Message from the Guest Editor

Gas separation and purification technology is very important in the process of chemical production and environmental protection. This Special Issue on “Recent Advances in Gas Separation and Purification” aims to curate novel advances in the development and application of gas separation and purification technology to address the efficient separation, recycling, and utilization of gas products and to reduce the emission of greenhouse gases and pollutants. Topics include, but are not limited to, the following:

- Development of new materials and processes for gas separation and purification;
- Development of theoretical analysis and numerical simulation of gas separation and purification.

---

### Guest Editor

Dr. Xiong Yang

School of energy and environmental engineering, University of Science and Technology Beijing, Beijing, China

---

### Deadline for manuscript submissions

10 March 2026



## Separations

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 4.5



[mdpi.com/si/208581](https://mdpi.com/si/208581)

*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.