Topical Collection

Synthetic Membrane Separation Science and Technology

Message from the Collection Editors

The progress of synthetic membranes for different efficient separation processes is seen as a tremendous advancement over the last decade thanks to remarkable improvements in membrane materials and modules engineering, optimized hybrid energy-efficient separation processes, significant breakthroughs in specific simulations and computational modeling including machine learning, well-organized and cooperative international networks, smart investments, and a series of successful development and implementation stories decisively moving towards the long-awaited circular green economy. We are pleased to invite you to submit your original research manuscript, critical review manuscript or short communication to this interesting Topical Collection on "Synthetic Membrane Separation Science and Technology", which welcomes both theoretical and/or experimental studies dealing with, but not limited to, new or improved synthetic membranes for liquid, vapor and gas separation processes; related energy-efficient technologies for the recovery of resources and high-added value products; etc.

Collection Editors

Prof. Dr. Mohamed Khayet

Department of Structure of Matther, Thermal Physics and Electronics, Faculty of Physics, University Complutense of Madrid, Madrid, Spain

Dr. Elena Guillen Burrieza

Chemical Engineering Department, R^{2}EM—Resource Recovery and Environmental Management Group, Escola de Enginyeria Barcelona Est (Barcelona TECH UPC), Av. Eduard Maristany, 16, 08019 Barcelona, Spain

Separations

Separations

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.5

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.

MDPI