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.

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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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