

Special Issue

Advanced Separation Membranes in Environmental and Energy Fields

Message from the Guest Editors

This Special Issue, Advanced Separation Membranes in Environmental and Energy Fields, aims to highlight recent advances in membrane science, including the design, fabrication, modification, and characterization of membranes for selective separation processes. We welcome original research articles, reviews, and communications that explore novel membrane materials, advanced fabrication techniques, surface modification strategies, and hybrid membrane systems. Topics of interest include, but are not limited to, membrane performance optimization, fouling mitigation, separation mechanism studies, and the integration of membranes into complex treatment systems. Submissions addressing both experimental and modeling approaches are encouraged. This Special Issue provides a platform to share the latest findings and foster collaboration between academic and industrial researchers working to advance the next generation of membrane separation technologies.

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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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