



Composite Membranes: Synthesis and Characterization

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Message from the Guest Editors

Over the past decade, a vast effort has been dedicated toward developing and advancing novel membrane materials for the treatment of gases and liquids. Composite polymeric membranes are commonly used for the energy- and cost-efficient water and gas treatment processes. These membranes have experienced significant improvements in integrating permeation advantages including high permselectivity and fouling resistivity with thermomechanical and chemical stability. In addition, modifying the preparation methodologies, such as blending with copolymers, as well as fabricating thin film composite structures, have shown a significant promise for further improvement of composite membranes.

The goal of the present Special Issue is to provide a comprehensive overview of recent advances in synthesis and characterization of composite membranes for desalination, wastewater treatment, and gas separation processes. It announces a valuable opportunity to report both the original papers and critical reviews on synthesis and characterization of novel composite membranes.





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Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375).

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