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Mixed-Matrix Membranes for Gas Separation

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Deadline for manuscript submissions:
closed (31 August 2019)

Message from the Guest Editor

We warmly invite you to submit your original work or review article to this Special Issue "Mixed-Matrix Membranes for Gas Separation".

This Special Issue is devoted to the latest advances in MMMs fabrication and characterization. Topics of interest include the study of the filler-polymer interface, from a synthesis, modeling and characterization point of view, the development of structure–performance relationships, unveiling for instance the role of filler particle size and morphology, and new approaches to alleviate membrane aging and for membrane fabrication. Special attention will be paid to the use of new fillers, such as porous organic frameworks and porous molecular compounds on MMMs preparation.

Keywords

- Mixed-matrix membranes
- Porous materials
- Gas separation
- Porous polymers
- Metal-organic frameworks
- Membrane characterization
- Membrane fabrication
- Membrane aging
- Crystal engineering

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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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