



Mixed Matrix Membranes

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Message from the Guest Editor

This Special Issue, entitled “Mixed Matrix Membranes”, is motivated by the gap between growing interest in developing novel mixed matrix membranes by various research groups and the lack of large-scale implementation. This includes important issues regarding fabrication, such as compatibility and adhesion, fabrication, configuration, geometry, post-treatment, types of additives/fillers, and reproducibility, membrane characterization (e.g., chemical, structural, morphological, electrical, compositional, mechanical and topographical properties, as well as membrane transport and separation), and applications of membranes in different fields, especially in CO₂ separation from other gases, with a special focus on the influence of impurities. Overall, this Special Issue is orientated to all the above-cited research topics, directed to the advancement of mixed matrix membranes and novel materials in membrane technology to solve some of the environmental and technical challenges faced by chemical industries.





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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).

Membranes is an international, peer-reviewed open access journal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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