



Advanced Preparation Technology for Separation Membrane

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Message from the Guest Editor

Due to their efficiency and ability to deliver process intensification, membrane separation technology has been used in various applications, such as water treatment, pharmaceutical, petroleum, and energy-related industries. However, a limited separation performance, low productivity, and short membrane lifespan present severe technical challenges to membrane separation. To solve those issues, the innovation of membrane preparation techniques is more urgent than that of membrane materials, not only affecting physicochemical properties and the separation performance of the fabricated membranes, but also directly determining their potential of industrialized application.

This Special Issue seeks contributions assessing the state-of-the-art and future developments in the field of separation membrane preparation. Topics include, but are not limited to, new manufacturing techniques and materials developments, gas purification and water treatment applications, demonstration efforts and industrial exploitation. Authors are invited to submit their latest results; both original papers and reviews are welcome.





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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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