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Innovative Thin-Film Composite Membranes: Developments and Applications

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Message from the Guest Editor

Membrane-based technologies have become a popular choice throughout the world due to their benefits over other approaches. In recent decades, sustained research in the field of membrane technology has seen a remarkable surge in the development of novel membranes and materials, particularly because of the reduction in energy footprints and cost. The advancement of membrane technology is aided by the development of innovative thin-film composite membranes.

This Special Issue on "Innovative Thin-Film Composite Membranes: Advancements and Applications" is looking for contributions to assess the current state of the art and upcoming innovations in the area of thin-film composite membranes and approaches. Research on the implementation of innovative thin-film composite membranes on a laboratory and pilot scale, their development, application, and commercial use, as well as the sustainability approach to thin-film composite membranes.

Authors are encouraged to contribute their most recent findings, especially original research articles and reviews, in order to address the expanding need for the development of innovative thin-film composite membranes.



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Special Issue



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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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