



Catalytic Membranes and Their Applications

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Message from the Guest Editors

The membrane industry has an important position within the chemistry industry due to the wide number of possible applications, such as nanofiltration, ultrafiltration, microfiltration, and gas separation.

The integration of permselective membranes into catalytic reactors resulting in **catalytic membrane reactors (CMR)** enables the combination of separation and reaction in a single step, providing improved performance over conventional reactors and more environmentally safe and economically efficient processes. In fact, CMR are an emerging technology for different industrial sectors, such as the petrochemical, chemical or pharmaceutical sectors.

This Special Issue aims to collect key contributions about the fabrication processes, transport properties and catalytic applications of different membranes to provide an overview of recent developments in catalytic membrane reactors.





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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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