Special Issue

Elucidating Mass Transfer Processes in Membranes for Gas Separation

Message from the Guest Editors

Membrane technology has been receiving a great deal of attention in recent decades for its potential to improve both the efficiency and economy of separation processes in multiple industrial applications. It is also common to find diverse explanations aiming to describe the precise mass transfer processes that justify the permeation behavior of the systems, especially at certain operating conditions. In this context, it is crucial to unravel all the involved mass transfer processes with the aim to improve the design of the separation systems and to develop a new generation of membranes.

The Special Issue is dedicated to this particular topic in the field of gas separation applications. Thus, we are pleased to invite you to participate with your latest research and share the most recent insights to describe mass transfer processes through new membrane materials, including both porous and dense ones. Both original research manuscripts and reviews covering this particular topic are welcome. Research areas may include but not be limited to experimental or modeling studies, new complex membrane structures, novel membrane materials, and critical permeation conditions.

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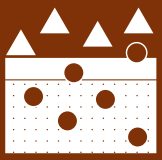

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Message from the Editor-in-Chief

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 accessjournal 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.

Editor-in-Chief

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