

Special Issue

Recent Research on Porous Membranes

Message from the Guest Editor

Originally, researchers spoke of a membrane as a "sieve," and the idea of a sieve is even more likely when it comes to porous membranes. It is easy to imagine porous membranes as a sieve that acts as a barrier for some substances and lets others pass, but the process develops inside them. Membranes are not simple films with different pore sizes. The properties of the material constituting the membrane contribute significantly to the success of the separation and, in any case, if the pores represent the "passage point", it is necessary to evaluate the driving force that promotes it and the "path" through which it occurs. The pores are not simple holes; they are paths, and for this reason they can be more or less linear, more or less regular, more or less tortuous, more or less uphill and more or less smooth. The structures of the pores and their distribution and geometry constitute a further chapter of membrane science, which is why this Special Issue will focus on synthesis, properties and applications of porous membranes.

- membrane
- polymer
- characterization
- morphology
- membrane operation
- porous membranes

Guest Editor

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About the Journal

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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