Special Issue

Advanced Membranes and Membrane Technologies for Wastewater Treatment

Message from the Guest Editor

The increasing occurrence of a wide spectrum of pollutants (MPs) in water bodies has become a threat of high-concern to the environment and human health due to MPs' stability, toxicity, and bioaccumulation potential in plants and animals. Most of the MPs found in the environment originate from household, service, and industrial activities in urban areas. As such, Wastewater Treatment Plants (WWTPs) should play a vital role as a barrier to prevent the widespread disposal of MPs in the environment. Among advanced water treatment methods, the application of processes based on membrane filtration in the purification of urban and industrial wastewater has increased considerably in recent years. These processes are considered an important alternative for a sustainable reclamation of wastewater, thus avoiding the discharge of pollutants into the environment. Membrane technology has been proven to offer effective solutions, given, among others, its applicability to pollutants of a very different nature, high selectivity, easy operation, simple equipment, non-extreme experimental conditions, and efficient use of energy.

Guest Editor

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Deadline for manuscript submissions

10 October 2025

Membranes

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/si/202659

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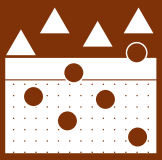

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Message from the Editor-in-Chief

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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