Special Issue

Novel Insights in Membrane Fouling during Wastewater or Water Treatment

Message from the Guest Editors

Over the last few decades, membrane separation technologies have been increasingly applied in wastewater and water treatment, due to a series of advantages offered by the employed membranes; compared to other separation methods, membrane technologies are environmentally friendly, operate in ambient temperatures and pressures, present high separation performance, and are available in ready-to-use modules that allow for their easier scale-up and implementation in large-scale facilities. Their widespread utilization, however, is hindered by membrane fouling, i.e., the undesirable deposition of dissolved or suspended solids within the membranes' pores or onto their surface, which results in elevated energy demands and frequent membrane replacement and, therefore, in the increase of operating cost. Consequently, in recent years there has been a rapid increase in research studies that focus on the study of membrane fouling and especially on the investigation of novel anti-fouling methods, which aim to reduce or control membrane fouling during wastewater/water treatment.

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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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