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Membrane Fouling and Antifouling Strategies in Water and Wastewater Treatment

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Water and wastewater treatment can not only mitigate water pollution, but also relieve water shortage by the production of high-quality freshwater. Membrane-based technologies have been widely used for water/wastewater treatment and reclamation owing to the merits of no need of chemical addition, relatively low energy consumption and high automation. However, irreversible membrane fouling encumbers the performance and efficiency of membrane systems. Insights into membrane fouling mechanism and strategies for membrane fouling control are of great importance.

This Special Issue aims to deepen the understanding of membrane fouling phenomena and mechanisms, and propose feasible membrane fouling control strategies during water/wastewater treatment.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Membrane fouling characterization
- Modeling and simulation
- Membrane fouling control
- Membrane material
- Membrane module design
- Pressure-driven membrane technology
- Electronic membrane technology

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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.

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