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## Membrane Fouling in Water/Wastewater Treatment: Characterization, Modeling and Control

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Deadline for manuscript submissions:

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### Message from the Guest Editors

Membrane technology plays a vital role in water and wastewater treatment. A variety of membrane processes have sprung up, including low-pressure (e.g., microfiltration and ultrafiltration), high-pressure (e.g., nanofiltration and reverse osmosis), electrically driven (e.g., electrodialysis), osmotically driven (e.g., forward osmosis) and temperature-driven (e.g., membrane distillation) processes. However, their development is seriously challenged by the membrane fouling problem, which impedes the separation and makes the process energy-intensive. Foulants with various compositions can interact with the membrane material, block the pores or cover the surface. The fouling phenomena might be described under universal laws, or be specific to the detailed membrane/foulant materials or membrane processes. It is of great importance to scientifically describe, understand, predict and control fouling for the future development and application of membrane processes in the field of water/wastewater treatment.

This Special Issue aims to cover recent developments and advances in all aspects of membrane fouling in water/wastewater treatment



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# Special Issue



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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 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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