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Membrane Fouling in Water/Wastewater Treatment and Separation Processes: Control and Optimization

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Deadline for manuscript submissions:
closed (30 September 2021)

Message from the Guest Editors

Fouling strongly affects membranes' performance and life. Membranes' wide use in water and wastewater treatment or in separation processes makes research on fouling control and membrane's performance optimization of high importance.

Foulants such as organics, suspended particles, bio colloids or minerals reduce membranes' performance and often lead to early membranes' replacement, increasing process maintenance costs. Several control strategies such as membranes modification using coatings, adjustment of feed's particles concentration, membranes' wettability control, control of operational parameters and so on are developed and optimized after characterization of fouling and scaling layers.

- Water, wastewater treatment
- Separation processes
- Membranes fouling, scaling characterization
- Minerals
- Foulants
- Fouling mitigation
- Membrane's wettability effect and control
- Control
- Optimization
- Membranes performance

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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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