

Special Issue

New Advances in Membrane Separation Technology for Water Pollution Control and Membrane Fouling Mitigation

Message from the Guest Editors

Water pollution is a serious threat to the ecological environment and human health. Benefiting from outstanding water quality, small footprints, and easy operation, membrane technology has achieved great attention in industrial separation and environmental protection. However, as “the Achilles heel” of membrane technology, membrane fouling is an inevitable issue. Therefore, it is urgent to develop advanced membrane materials and membrane processes for effective water pollution control and sustainable membrane fouling mitigation. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Membranes for ion/molecule separation.
- Membrane separation technology for drinking water pollution control.
- Membrane separation technology for wastewater pollution control.
- Antifouling membrane materials.
- Membrane cleaning strategies.
- Self-cleaning membrane.
- Advanced membrane fouling control strategies.
- Catalytic membranes for enhanced separation and fouling control.

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Deadline for manuscript submissions

10 September 2025



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/236659

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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