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.

Guest Editors

Dr. Zhonglong Yin

School of Chemistry and Materials Science, Nanjing Normal University, Nanjing 210023, China

Dr. Weichen Lin

School of Environment, Beijing Normal University, Beijing 100875, China

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

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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
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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