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Membrane Separation Technology for Wastewater Treatment: Current Practice and Future Directions

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submissions:

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Message from the Guest Editors

This Special Issue is devoted to the exploration of current practice and future directions in membrane separation technology applied to wastewater treatment. The scarcity of water and the environmental concerns related to wastewater disposal make wastewater treatment a crucial issue. Membrane processes have a recognized and important role in this field, and they contribute to sustainable development. Topics in this Special Issue include, but are not limited to, membrane operations applied on an industrial scale as well as those under investigation at laboratory or pilot-plant scales for wastewater treatment. The application of membrane processes for the recovery of valuable compounds from wastewater streams, the removal of toxic products and zero liquid discharge approaches are also within the scope of the Issue. Novel membrane materials (both polymeric and inorganic) and applications (including hybrid processes) and mathematical modelling are considered as well. Original research works and reviews are welcome.



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Special Issue



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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.

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