



water

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Membrane-Based Processes and Applications for Water Reclamation

Guest Editors:

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Deadline for manuscript
submissions:
closed (31 October 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on presenting recent developments in membrane-based processes and applications with a special emphasis on water reclamation and resource recovery. Topics of interest include, but not limited to, the following:

- Membrane bioreactors and fouling;
- Emerging fouling mitigation techniques;
- Anaerobic membrane bioreactors;
- Osmotic membrane bioreactors;
- Nutrients' recovery and membrane reactors;
- Water reclamation from non-conventional resources;
- Desalination of brackish and seawater;
- Attached growth processes integrating membranes;
- Biofilm formation;
- Membrane nanotechnology;
- Membrane porous materials and functionality;
- Membrane technology and disinfection;
- Salinity gradient energy;
- Fate and removal of micropollutants by membrane processes;
- Membrane permeability and transport phenomena;
- Membranes and cleaning processes;
- Membrane separation processes;
- Biosolids retention and effluent quality;
- MBR operation control.



mdpi.com/si/22440

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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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Journal Rank: JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

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