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Enhancing the Efficiency of Membrane Processes for Water Treatment

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Deadline for manuscript submissions:
closed (31 July 2020)

Message from the Guest Editors

This Special Issue is devoted to "Enhancing the Efficiency of Membrane Processes for Water Treatment". Authors are invited to submit their contributions in forms of research articles (based on either lab-scale or pilot-scale experiments, or simulation results), technical reporting, case studies, and critical reviews. Relevant topics include:

- Treatment of surface water, sea- and brackish water, produced water, and concentrates (including also advanced wastewater treatment but excluding MBR for wastewater treatment) using organic (polymeric), inorganic (ceramic), as well as composite materials;
- Improvement of membrane retention, selectivity and/or permeability, recovery, or operational costs;
- Advanced operating procedures, e.g., membrane cleaning, dynamic flux operation, online process monitoring and controlling;
- Process combinations (hybridization) with well-established or new processes;
- System design, with regard to element level, module design, and module arrangements;
- Costs assessment studies toward membrane process optimization.

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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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