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## Modeling, Simulation and Application of Membrane Processes for Water Treatment

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Deadline for manuscript submissions:

**closed (20 August 2022)**

### Message from the Guest Editors

This Special Issue aims to gather the foremost developments in methodologies, algorithms and advanced computer-aided tools to enhance water treatment systems. Modeling and simulation approaches embracing modelling of phenomena and simulation algorithm and methods that allow analyzing the response of systems, optimal system designs and operation. Manuscripts related to the above are welcomed to address the most challenging problems faced by the water industry today. Topics include, but are not limited to:

- Water treatment powered by renewable energy
- Water–energy nexus
- Desalination systems
- Urban and industrial wastewater treatment
- Hybrid membrane processes for water treatment
- Transport and process modelling in water treatment
- Optimal operation of membrane processes for water treatment
- Fouling and scaling in membrane processes for water treatment
- Control of membrane processes in water treatment





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## Editor-in-Chief

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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 access journal 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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