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## Advanced Membranes for Microfiltration, Ultrafiltration, Nanofiltration and Reverse Osmosis

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Deadline for manuscript submissions:

**closed (31 October 2023)**

### Message from the Guest Editors

This Special Issue "Advanced Membranes for Microfiltration, Ultrafiltration, Nanofiltration and Reverse Osmosis" aims to publish original research on pressure-driven membrane filtration. Its scope includes, but is not limited to:

1. New membrane materials and their application in pressure-driven membrane processes, such as novel polymer materials, 2D materials, inorganic materials, MOF/COF materials, etc.;
2. New membrane processes that employ pressure-driven membranes;
3. Novel physically and chemically modified membranes and composite membranes for pressure-driven membrane separations;
4. Simulations, including numerical, molecular, and process modeling of membrane materials, mass transport in membranes, and membrane processes;
5. Techno-economic analysis (TEA) and life-cycle assessment (LCA) of pressure-driven membrane processes and systems.



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# Special Issue



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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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