

Special Issue

Advanced Membrane Technologies for Ion Separation

Message from the Guest Editor

Ion-selective membranes are crucial in many industrial and environmental processes, such as wastewater treatment, desalination, isotope separation, electrodialysis, and osmotic energy harvesting. Compared to conventional methods, membrane technology allows for lower energy consumption and higher selectivity. With the growing need to optimize resource and energy usage while minimizing environmental footprint, advanced ion separation membranes that can separate ions at scale in a cost-effective manner will be indispensable. In this Special Issue, we would like to highlight the latest progress in advanced membrane technologies for ion sieving and explore challenges, problems, and solutions to the related issues to further promote the application of membrane technologies. We look forward to receiving your manuscripts.

Guest Editor

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About the Journal

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.

Editor-in-Chief

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