Special Issue

Osmotically Driven Membrane Processes

Message from the Guest Editor

Osmotically driven membrane processes (ODMPs) have great potential to satisfy the needs for the sustainable development of societies by providing purified water and clean energy. However, the potential has not been realized yet, largely because of the relatively low water flux in ODMPs compared to the hydraulic pressure driven membrane processes. Although consistent research efforts have been made in the past half century, especially in the last two decades, ODMPs remain an elusive subject in science and engineering. Beyond the practical applications, ODMPs also present a challenge to the fundamental understanding of water transport across the membrane. This Special Issue will seek contributions for better understandings of the osmotically driven membrane processes. Topics include, but are not limited to, membrane preparation and characterization, performance assessment, and fundamental theories on water transport.

Guest Editor

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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.

Editor-in-Chief

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