Special Issue

Polymeric Membranes as Promising Pathways to Low-Carbon Future

Message from the Guest Editors

The role of polymeric membranes is increasingly significant and essential in further alleviating or eliminating emerging and persistent problems such as energy conservation, green energy production or global warming. Some critical examples include: (1) polymeric membranes and the variations therefrom, which facilitate CO2 separation at high permeance and high selectivity; (2) osmotic (blue or green) energy harvesting though pressure-retarded osmosis processes, (3) proton exchange membranes for fuel cell applications or green hydrogen production, and (4) anion exchange membranes for green hydrogen production through electrolysis, to name a few. The Special Issue will strive to highlight the latest developments in the field of polymeric membranes with deeper insights into materials, processes, and applications, specifically related to areas such as low energy consumption in membrane processes (including RO), energy harvesting, carbon emission reduction, and green energy production.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2022)

Membranes

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/si/112627

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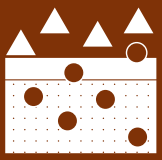

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Message from the Editor-in-Chief

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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