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Polymer Membranes: from Synthesis to Applications

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Message from the Guest Editors

The synthesis and applications of different polymeric membranes have attracted attention in recent decades due to their advantages, such as high separation efficiency, high selectivity, feasibility, the ability to remove metal ions, organic or inorganic colloids, bacteria or other microorganisms from water and wastewater, high flow at low pressures, fouling resistance, good mechanical, thermal, and chemical stability, and low cost.

This Special Issue will focus on the synthesis, characterization, and applications of polymer membranes. In this Special Issue, original research articles, full papers, communications, and reviews are welcome. Research areas may include (but not limited to) the following:

- Preparation of polymer membranes
- Characterization of polymer membranes by various techniques, including FTIR-ATR, SEM, TEM, water contact angle, surface free energy, electrochemical impedance spectroscopy (EIS)
- Polymeric membrane processes and applications (such as: membrane-based metal removal process, polymer membranes in water treatment and so on)



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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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