



New Advances in Polymer-Based Membranes

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Deadline for manuscript
submissions:

closed (15 February 2024)

Message from the Guest Editors

Membranes have found an important place in chemical technology and are used in a broad range of applications. Most applications refer to concentration, purification, and fractionation. However, in recent decades, much research has been devoted to new materials, and polymeric membranes are required to solve the energy and environmental crisis; nevertheless, there is still a long way to go.

Membranes are not merely the subject of significant research. Even though polymeric membranes suffer from the permeability and selectivity trade-off effect, research groups are investigating novel design and synthesis strategies, modeling, and applications on polymeric membranes aiming at breaking the limitations. This indicates that the field sparks the curiosity and interest of various membrane separation experts for enhanced separation efficiency and prospective applications.





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