Special Issue

Polymer Membranes for Separation Processes

Message from the Guest Editor

Membrane-based technologies have been regarded as important sustainable strategies in separation processes to address global issues of water security and supply. In particular, polymer membranes are increasingly being developed and utilized due to their good processability, high flexibility, multi-functionality and low cost. However, the development of high-performance polymer membranes is still restricted by their inherent limitations, including a permeability/selectivity trade-off and a high fouling propensity. This Special Issue focuses on membrane structure design at the molecular and multi-scale level, as well as membrane fabrication for separation processes including, but not limited to, microfiltration (MF), ultrafiltration (UF), nanofiltration (NF), reverse osmosis (RO), forward osmosis (FO) and membrane distillation (MD). Reports on novel membrane/materials design and formation are preferred. In this Special Issue, I sincerely invite you to submit cutting-edge research works on the design, synthesis, characterization, mechanism, performance and application of polymer membranes for separation processes, in the form of a communication, full paper, or review.

Guest Editor

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Deadline for manuscript submissions

closed (15 September 2024)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/161173

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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