Special Issue

Polymer Membranes for Separation

Message from the Guest Editor

Polymer membranes are used on a large scale in many separation processes. Applications for these membranes include the desalination of seawater, gas separation, the cleaning of industrial effluents, the fractionation of macro-molecular solutions in the food and drug industries, and the controlled release of drugs in medicine. Membrane separation is in many cases faster, more efficient, less energy-demanding, and thus more economical than conventional separation techniques. Separation and/or purification processes may be categorized into the following three separate classes: (1) concentration-driven separation, represented by processes such as dialysis; (2) electro-membrane separation, used to separate dissolved charged ions; and (3) pressure-driven separation, which includes the more familiar processes of micro-/nano-/ultra-filtration and gas separation. The aim of this Special Issue is to highlight the progress and fundamental aspects of the synthesis, characterization, properties, and application of polymer membranes in various separation activities.

Guest Editor

Prof. Tae-Hyun Kim

Research Institute of Basic Sciences, Incheon National University, Incheon 22012, Korea

Deadline for manuscript submissions

closed (30 April 2021)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/46339

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/journal/polymers

MDPI

About the Journal

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 4.7.

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

Prof. Dr. Alexander Böker
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)