



Highly Permselective Nanofiltration Membrane

Guest Editor:

Dr. Meiling Liu

State Key Laboratory of
Materials-Oriented Chemical
Engineering, National
Engineering Research Center for
Special Separation Membrane,
College of Chemical Engineering,
Nanjing Tech University, Nanjing
211816, China

Deadline for manuscript
submissions:

closed (20 April 2024)

Message from the Guest Editor

In the process industry, material separation accounts for over 50% of the total costs. The pore diameter of the nanofiltration (NF) membrane is 0.5–2.0 nm, and its molecular weight cut-off is 100–2000 g/mol. Similar molecule or ion separation processes could be achieved by NF based on its special mechanisms, including pore size screening and Donnan exclusion, etc.; however, in this special and complex separation scale, there are common problems, such as a low separation accuracy, complex large-scale preparation processes, and high production costs, which seriously restrict the development of nanofiltration membranes.

This Special Issue will include advanced NF membranes and membrane processes for the high-efficiency separation of monovalent and divalent ions, drug purification and separation, solvent recovery, and wastewater recycling as well as zero discharge technologies.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

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 5.0.

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.

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)

Contact Us

Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
X@Polymers_MDPI