

Special Issue

New Frontiers in Polymeric Membranes Applications

Message from the Guest Editors

Membrane science and technologies are a key component for addressing many important issues such as drinking water, energy and elimination of environmental burdens etc. Currently, membranes have become an integral part of industrial processes with considerable commercial and technical importance. Polymeric membranes applications are varied and in recent years have evolved into many fields and are intensively investigated for application in fields such as barrier properties for packaging films; gas separation; water purification processes including nano/micro filtration, reverse osmosis; electrodialysis; dialysis; hemodialysis, and protective coatings (paint). Various emerging technologies employs polymeric membranes such as in secondary batteries and fuel cell applications, several optoelectronic applications, and conductive polymeric coatings and films. This special issue welcomes articles on different aspects of membrane applications but are not limited to:

- Energy storage and generation
- Electronics
- Biomedical applications
- Sensors
- Separation and water purification techniques
- Gas or liquid capture
- Membrane design using Industry 4.0 Technology

Guest Editors

Dr. Gautam Das

Department of Chemical Engineering, Hanyang University (Erica Campus), Ansan-si 15588, Korea

Dr. Jinsu Gim

Department of Mechanical Engineering, Wisconsin Institute for Discovery, University of Wisconsin-Madison, Madison, WI 53706, USA

Deadline for manuscript submissions

closed (10 January 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.7
CiteScore 8.0
Indexed in PubMed



mdpi.com/si/95606

Polymers

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

[mdpi.com/journal/
polymers](https://mdpi.com/journal/polymers)





Polymers

an Open Access Journal
by MDPI

Impact Factor 4.7
CiteScore 8.0
Indexed in PubMed



[mdpi.com/journal/
polymers](https://mdpi.com/journal/polymers)



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)