

Special Issue

Advanced Polymer Membranes

Message from the Guest Editors

Today, polymeric membranes are widely used in a range of industrial applications, such as desalination, wastewater treatment, biopurification/separation, solvent purification/recovery, gas and liquid phase pollutant capture, and gas separations. However, there are still drawbacks that limit the practical application of current membranes. This has prompted researchers to improve and address the shortcomings of polymeric membranes through advanced material development by (1) modifying the intrinsic membrane material, (2) combining inorganic materials with base polymeric materials (mixed matrix membranes), and (3) development of responsive or multifunctional membrane. In the scope of this Special Issue, “Advanced polymer membrane”, we aim to cover all aspects of advanced polymer-based membranes as well as applications of these membranes in industrial processes. In particular, the topics of interest include but are not limited to:

- Advanced polymer membranes;
- Membrane fabrication/modification;
- Advanced membrane material;
- Membrane application;
- Responsive membrane and multifunctional membrane;
- Polymer–inorganic composite membrane.

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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 4.7.

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

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