Special Issue

Polymeric Membranes Preparation, Modification and Separation Applications

Message from the Guest Editors

Water scarcity and increasingly serious water pollution are making clean water supplies more challenging. During the past several decades, membrane technology has become a promising and important separation technology in water/wastewater treatment, due to its low energy use, excellent selectivity of the specific compounds, and high flexibility. In membrane separation processes, the design and preparation of membranes are critical because they determine the intrinsic properties of resultant membranes. This Special Issue aims to emphasize the state-of-the-art findings and achievements concerning the fabrication of polymeric membranes for water or wastewater treatment and reuse.

- Development of novel polymer membranes;
- Regulation of the membrane structure and its mechanism;
- Membrane modification;
- The novel strategy of membrane fouling mitigation;
- Membrane distillation;
- Novel preparation of polyamide composite membrane
- Regulation of interfacial polymerization;
- High-performance nanofiltration membrane;
- Formation mechanism of polyamide membrane;
- Nanostructured polyamide 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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