Special Issue

Polymer-Based Membrane Technology and Applications

Message from the Guest Editor

Sustainable development has its roots in the respect and the protection of natural resources for a qualitative improvement of our life. In this context, eco-friendly technologies are emerging as a valid solution for preserving the environment through energy-saving products and the reduction of waste production. Membrane-based operations have become increasingly competitive thanks to the existing technologies and find a great variety of applications in many industrial sectors, such as extraction, concentration, purification, recovery, and production. Polymers are, by far, the most commonly used material for preparing membranes. The choice of a selected polymer affects the final membrane morphology and properties, hence, the starting material is of crucial importance for assuring an efficient separation process. Both renewable and nonrenewable polymeric sources should be employed. With the development of membrane technology, improvements in membrane performance have been made through polymer modifications. However, a much greater effort is still needed to obtain sustainable membrane processes.

Guest Editor

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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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