

Special Issue

Progress in Polymer Membranes and Films

Message from the Guest Editors

Humanity is nowadays troubled with three major concerns: energy that results from record oil prices, water shortages that derive from resource depletion, and global warming resulting from changing climate conditions. Membrane technology advances could offer approaches to, partially, solve or hinder such issues, as it combines several technology areas including materials science and engineering, chemistry and chemical engineering, separation and purification phenomena, molecular simulation, as well as process and product design. Polymeric membranes are a significant part of membrane science. Often, the use of innovative newly developed membranes is hindered due to drawbacks such as the lack of thermal stability and chemical resistance. This Special Issue covers all kinds of polymeric membranes with various geometries (flat-sheet, hollow fiber, electrospun, nanofibrous, etc.), with improved physical properties designed for the application. In this context, the main subjects of interest are: Membrane development (including synthesis of new monomers/polymers); Membrane crosslinking; Membrane performance characterization; Membrane transport properties.

Guest Editors

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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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