

Special Issue

Functional Membranes: From Synthesis To Applications

Message from the Guest Editor

Membranes represent an essential component in many industries and applications. They could be used in simple purification applications. Advanced membranes could also be highly selective toward the separation/passage of specific materials via a proper insertion of functional groups and/or controlling their microscopic structure. The emergence of new technologies (electro-spinning, ultra-thin film spin-coating, etc.) to membrane manufacturing significantly amplifies the possibilities for designing novel membranes and opens avenues for more applications in different areas of our life. This Special Issue is dedicated to the latest cutting-edge research in the synthesis of new polymeric materials with potential use in membranes in different applications, use of recent technologies for assembling membranes with new functionalities and selectivity, recent characterization tools for membranes for a better understanding and to improve their performance, and theoretical modeling for predicting and maximizing the efficiency of membranes.

Guest Editor

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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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