

Special Issue

Polymer Membranes for Water Treatment Applications

Message from the Guest Editor

With the growing global challenges of water scarcity and pollution, the development of efficient water treatment technologies has become increasingly critical. This Special Issue focuses on recent advances in polymer membranes for water treatment applications, highlighting innovations in membrane material design, fabrication processes, and performance optimization. Polymer membranes play an indispensable role in water treatment due to their high efficiency, energy-saving characteristics, and scalability. Recent breakthroughs in molecular design, surface modification, and composite membrane technologies have led to significant improvements in selectivity, flux, antifouling properties, and durability. These advancements offer sustainable solutions for seawater desalination, wastewater reuse, and drinking water purification. We welcome contributions that bridge fundamental research and technological applications, providing a platform for advancing innovation in water treatment membrane technologies.

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 4.9.

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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