

Special Issue

Polymer-Based Membrane in Water Treatment

Message from the Guest Editors

Water treatment is becoming more important because of the water pollution and water shortage, while polymer-based membrane plays an important role. To ensure water safety, pollutants in water can be successfully rejected by membranes (i.e. microfiltration, ultrafiltration, nanofiltration, and reverse osmosis). To enhance the purification efficiency, different pre-treatments (i.e. coagulation, adsorption, oxidation, electrochemistry, magnetism, and photocatalysis) have been investigated. Up to now, the polymer-based membrane technology has been widely applied in water treatment. The Special Issue aims to update the researches that are involved in water treatment. Various topics can be discussed, including membrane synthesis, membrane modification, fouling alleviation mechanism of membranes, membrane-based water treatment process, pilot-scale test, and membrane application.

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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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