



## Polymer-Based Membrane in Water Treatment

Guest Editors:

**Dr. Baiwen Ma**

Research Center for Eco-  
Environmental Sciences, Chinese  
Academy of Sciences, Beijing  
100085, China

**Dr. Meng Sun**

School of Environment, Tsinghua  
University, Beijing 100085, China

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### Message from the Guest Editors

**Dear Colleagues,**

**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.**

**Guest Editor**

**Dr. Baiwen Ma**

**Dr. Meng Sun**





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### **Prof. Dr. Alexander Böker**

Lehrstuhl für Polymermaterialien  
und Polymertechnologie,  
University of Potsdam, 14476  
Potsdam-Golm, Germany

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*Polymers* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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