



Polymer-Based Membrane in Water Treatment

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Deadline for manuscript
submissions:

closed (31 March 2022)

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.

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