



Nanocomposite Membranes for Water Treatment

Guest Editor:

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Message from the Guest Editor

Membrane technology in water and wastewater treatment as well as water desalination has been extensively developed as several promising nanomaterials were used for the polymeric membrane modification. Its incorporation into the membrane matrix has been overcoming the challenges of conventional polymeric membranes, and stimulating its application to water treatment. The development of nanocomposite membranes is being undertaken with the aim to overcome performance declines driven by membrane fouling, energy intensiveness, and endowing selectivity to specific solutes. Future perspectives will focus on the developing superhydrophobic membrane for membrane distillation and plasmonic membranes for energy efficiency.

In this Special Issue, the fabrication, application of nanocomposite membrane to water and wastewater treatment and water desalination are thoroughly discussed. In particular, this Special Issue includes both nanocomposite materials and nanocomposite membranes that have achieved enhanced performance on separation efficiency.

It is my great pleasure to invite you to submit a manuscript for the Special Issue. Full papers, communications, and reviews are all welcomed.





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Message from the Editor-in-Chief

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