



## Recent Progress in Synthesis and Application of Novel Membranes for Water Treatment

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editor

Dear Colleagues,

Membrane separation has been widely applied to water/wastewater treatment in recent years due to high product water quality, little or no chemical/additive use and straightforward process handling. Recent researchers have focused on developing novel membranes for water treatment, aiming to solve membrane fouling and break through trade-off effect between permeability and rejection. The development of these novel membranes are expected to enlarge the application in membrane-based water treatment. We are seeking high-quality research and review papers in the special issue. The special issue will specifically cover all aspects associated with the fabrication of novel membranes, their modifications/functionalization, and their applications in membrane-based processes for water treatment. Topics include but are not limited to: recent progress in novel membranes by functional materials, as well as membrane fabrication, novel design principles, theoretical simulations and various applications including desalination, energy storage, and environmental remediation. State-of-the-art and critical reviews are also welcome.

Dr. Lili Xu  
Guest Editor





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## Message from the Editor-in-Chief

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