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Development and Application of Novel Membranes

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Message from the Guest Editors

The most common membranes in wastewater treatment are made of polysulphone (PSF) and poly(ether)sulfone (PES). However, due to their hydrophobicity, tjey are highly susceptible to fouling. Different physical and chemical membrane modification processes have been tried out, including modification of membrane materials before membrane formation up to graph polymerization, plasma treatment, physical preadsorption, and others.

This Special Issue aims to cover recent developments and advances in all aspects of novel membranes and their applications, including membrane processes, combined processes (including one membrane step), modified membranes, new materials, the possibility of recycling and reusing membranes, and new technologies to reduce fouling and improve the efficiency of enhanced processes.

Keywords

- modified membranes
- physical membrane modification process
- chemical membrane modification process













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Message from the Editor-in-Chief

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