

Special Issue

State-of-the-Art Membrane Technologies in Chemical Engineering

Message from the Guest Editors

Membranes and membrane operations are becoming a mainstay in the chemical industry. Novel membrane materials allow separations at a reduced OPEX and CAPEX compared to more conventional separations. While membrane separation is market-leading technology in water desalination, it has several advantages in other fields such as gas separation, gas/liquid contacting, solvent recovery, liquid separations, and integrated reactors. In this Special Issue, we aim to collect the latest developments in membrane materials and operations applied to chemical engineering. Research regarding both material synthesis, membrane testing, and module and process design are welcome in the Special Issue. Topics include but not are limited to CCU, gas separation, membrane reactors, liquid separations, solvent recovery, etc.

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