

Special Issue

Applications of Membranes in Processes: Preparation, Characterizations, and Performance Evaluations

Message from the Guest Editor

This Special Issue seeks contributions from all research groups that are currently engaged in the membrane-based applications research, development, and commercialization to reflect the current state of the art and the cutting-edge progress of advanced membranes for the different processes. Potential possible topics are preparation, characterizations and performance evaluations of advanced membranes in below topics, but are not limited to, the following:

- Electrochemical applications
- Energy conversion and storage
- Gas separation process
- Ion exchange membranes
- Chemical separation process
- Hydrogen energy and production
- Bioenergy and biofuels
- Microfiltration, ultrafiltration, nanofiltration, and reverse osmosis
- Hydrocarbon fuel conversion
- Environmental applications
- Green chemistry
- Carbon-based membranes

Guest Editor

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Message from the Editor-in-Chief

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