



Special Issue Membrane Science and Technology

Call for Papers

Membrane Science and Technology is a highly interdisciplinary engineering discipline that integrates materials chemistry, transport phenomena, process engineering and environmental technology, centered on the design, fabrication, characterization and industrial deployment of selective semi-permeable barriers. It focuses on regulating molecular/ionic mass transfer across tailored membrane interfaces to achieve precise separation, reaction coupling and energy conversion functions, with inherent advantages of low energy consumption, minimal waste generation and modular scalability compared to conventional thermal-driven separation processes. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in the area of **Membrane Science and Technology**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **Membrane Science and Technology**. In this special issue, potential topics include, but are not limited to:

- Advanced Membrane Materials & Fabrication
- Membrane Separation Processes & Engineering
- Membrane Reactors & Coupled Systems
- Fundamental Transport Mechanisms & Characterization
- Sustainable & Intelligent Membrane Applications

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue – Membrane Science and Technology**” should be selected during your submission.

Special Issue timetable:

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Guest Editor:

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