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Materials for Membrane Separation and Selective Adsorption

Guest Editor:

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Deadline for manuscript submissions:
closed (31 July 2018)

Message from the Guest Editor

Dear Colleagues,

This Special Issue on "Materials for Membrane Separation and Selective Adsorption" aims to present theoretical and experimental advances on material development that address key challenges in the area of membrane separation and adsorption. Topics include, but are not limited to:

- Novel materials development (e.g., graphene, metal-organic frameworks) for efficient membrane separation and adsorption
- Advanced techniques for fabricating asymmetric membranes, mixed matrix membranes or monolithic adsorbent, etc.
- Characterisation methods to reveal membrane microstructure (e.g., interfacial morphology of mixed matrix membranes)
- Relation between material structure and transport properties of membrane and porous materials
- Membrane applications in gas separation, desalination, water treatment etc.
- Developments in theoretical modelling of transport in nanoporous materials

Dr. Lei Ge
Guest Editor

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Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375).

Membranes is an international, peer-reviewed open accessjournal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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