

## Special Issue

# Metal-Organic Framework and Its Membranes: from Design, Synthesis and Characterization to Application

### Message from the Guest Editor

Recent advances in MOF (Metal Organic Framework) and MOF-based membranes have created unique opportunities in the areas of adsorption, separation, sequestration, catalysis, energy storage, carbon capture, sensing, etc.

The objective of this Special Issue is to publish in the area of simulation, design (2D and 3D), materials chemistry, synthesis, processing and characterization of organic and inorganic MOF, MOF-based fibers, membranes and thin films. The topics of interests include, but are not limited to, novel micro scale and nanoscale MOF and its flexible fiber and membrane, MOF based composite membranes, thin films, computational simulation of advanced membrane materials, analysis of MOF materials chemistry, physical properties, development of characterization and testing methods and tools, etc.

Authors are, therefore, cordially invited to submit their exciting works in the form of original research papers, technical communications and review articles for *Membranes*. *Membranes* is indexed by EI, Scopus, PubMed, and ESCI. We are committed to maintaining a high quality and make a positive impact in the scientific community.

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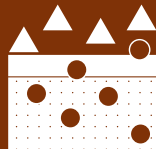
### Guest Editor

Dr. Mujibur Khan  
Mechanical Engineering Department, Georgia Southern University,  
Statesboro, GA, USA

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### Deadline for manuscript submissions

closed (15 May 2018)



## Membranes

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## About the Journal

### 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 access journal 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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### Editor-in-Chief

Prof. Dr. Spas D. Kolev  
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