

## Special Issue

# Synthesis and Application of Inorganic Porous Membranes and Films

### Message from the Guest Editor

Inorganic porous membranes have been used commercially for many years for gas separation, membrane reactors, ion exchange channels, purification, and so on. Inorganic membranes in general, such as zeolite MOF, and various ceramic membrane in particular, have the advantages of possessing uniform molecular pores, solvent resistance, and thermal stability. In recent years, applied research based on inorganic porous membranes has been actively conducted. This Special Issue on "Synthesis and Application of Porous Membranes and Films" of the journal *Membranes* seeks to present the state-of-the-art research progress in the field by collecting original articles and reviews on various applications of inorganic membranes. The following topics are of interest to this Special Issue:

- Zeolite membranes
- MOF membranes
- Mesoporous membranes
- Ceramic membranes
- Gas separation
- Functional optical membranes
- Ion-conducting membranes
- Sensor applications

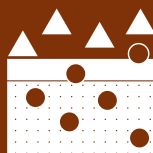
### Guest Editor

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### Deadline for manuscript submissions

closed (30 September 2020)



## 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

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