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## Inorganic Membranes for Energy and Environmental Applications

Guest Editors:

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**Prof. Dr. Genghao Gong**

**Dr. Liang Yu**

**Dr. Rong Xu**

Deadline for manuscript  
submissions:

**closed (20 June 2024)**

### Message from the Guest Editors

Dear Colleagues,

We are pleased to invite you to this Special Issue, “Inorganic Membranes for Energy and Environmental Applications”, to promote membrane technologies based on a variety of inorganic materials. Energy and environmental issues have been recognized as significant challenges for sustainable development, and inorganic membranes offer great opportunities for efficiently addressing related problems in the field, particularly for applications under harsh conditions. This Special Issue aims to report recent advances in inorganic membranes for energy and environmental applications, covering both fundamental and industrial perspectives. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

1. Membrane preparation (zeolite, silica, carbon, metallic, metal oxide, etc.);
2. Membrane applications (gas separation, liquid separation, ion separation, fuel cell, chemical production, etc.);
3. Membrane process development;
4. Modeling and simulation.

We look forward to receiving your contributions.

Prof. Dr. Gang Li

Prof. Dr. Genghao Gong

Dr. Liang Yu

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*Guest Editor*



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# Special Issue



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## Editor-in-Chief

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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 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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