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Organic–Inorganic Hybrid Membranes for Separation and Purification Applications

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Deadline for manuscript
submissions:

closed (15 November 2020)

Message from the Guest Editors

This Special Issue seeks contributions to assess the state-of-the-art and future developments in the field of organic–inorganic membranes separation and purification applications. Authors are invited to submit their latest results; both original papers and reviews are welcome. Topics include but are not limited to

- Nanocomposite membrane
- Membrane reactor
- Metal–organic framework membrane
- Mixed matrix membrane
- Organosilica membrane
- Self-organized hybrid membrane materials
- Dynamic site complexant membranes
- Molecular recognition-based hybrid membranes
- Separation and purification application, such as
 - Gas separation
 - Water treatment
 - Energy conversion
 - Hydrogen production
 - Forward osmosis
 - Desalination
 - Ion exchange
 - Other applications
- Transport mechanism
- Separation simulation



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Special Issue



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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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