

## Topical Collection

# Polymeric Membranes: Science, Materials and Applications

### Message from the Collection Editor

Polymeric membranes are the most popular membranes due to the following features: high selectivity, easy operation, ability to be functionalized and modified, among others; hence, they have been extensively studied. Multiple polymers have been investigated in membrane fabrication, including conventional polymers and some sustainable polymers. Sustainable polymers have been investigated to minimize the use of petroleum-derived polymers to meet the requirements of membranes. These polymers are derived from natural products, which significantly decrease the carbon footprint of the manufacturing process. The aim of this collection is to highlight the progress of monomers, the synthesis, characterization, properties, and applications of polymers, copolymers, blends and composites for the fabrication of separation membranes.

- Polymeric membrane science
- Novel polymers and polymeric blends
- Membrane modifications
- Membrane fouling
- Innovative applications of polymeric membranes
- Green polymers and processes
- Organic and inorganic additives to polymeric membranes

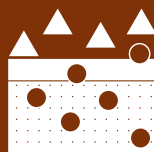
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### Collection Editor

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## 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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