

## Special Issue

# Novel Membrane Materials and Membrane Processes

### Message from the Guest Editors

Dear colleagues, This Special Issue (SI) is intended to cover recent developments and discoveries related to high-performance membrane materials and membrane-based operations. The issue provides a perfect opportunity for researchers to report on the topics of, but not limited to, new types of membrane materials with characterizations and applications, related membrane manufacture methods, membranes for specialty applications, and state-of-the-art membrane technologies towards process intensification/integration. Research articles and critical reviews related to the scope of the SI are welcome for submission. **Keywords**

- Membrane materials
- Polymers and ceramics
- Biopolymers
- Mix matrix membranes (MMMs)
- Functionalization and Surface modifications
- Nanocomposites
- Membrane processes
- Process intensification
- Integrated systems
- Water and wastewater treatment
- Membrane fouling

### Guest Editors

Prof. Dr. Fawzi Banat

Prof. Dr. Pau Loke Show

Dr. G. S. Nirmala

### Deadline for manuscript submissions

closed (31 August 2022)



## 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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