

## Special Issue

# Applications of Membrane Filtration and Separation

### Message from the Guest Editors

This Special Issue, entitled "Applications of Membrane Filtration and Separation", is dedicated to advancing the science and technology of membrane filtration and separation by exploring key aspects such as microfiltration, ultrafiltration, membrane technology, filtration process design, and innovative applications. This Special Issue examines the performance of membrane filtration and separation under various operational conditions, offering insights into filtrate rate, solute rejection, power consumption, and utilization. It also addresses challenges related to filtration fouling, proposing strategies to mitigate membrane fouling and enhance filtration performance. Additionally, this Special Issue explores membrane fabrication and modification, emphasizing the role of membrane technologies in transportation, preparation, characterization, and other applications. Authors are invited to submit their latest research findings on innovative studies and industrial applications of membrane filtration and separation. Both original research papers and review articles are welcome.

### Guest Editors

Dr. Irish Valerie Maggay

R&D Center for Membrane Technology, Chung Yuan Christian University, Taoyuan 32023, Taiwan

Dr. Su-En Wu

Department of Chemical Engineering, Chung Yuan Christian University, Taoyuan 32023, Taiwan

### Deadline for manuscript submissions

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## Membranes

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*Membranes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[membranes@mdpi.com](mailto:membranes@mdpi.com)

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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  
School of Chemistry, The University of Melbourne, Melbourne, VIC  
3010, Australia

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