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## Selected Papers from the 16th International Conference on Inorganic Membranes (ICIM)

Guest Editors:

**Prof. Dr. Yingchao Dong**

**Prof. Dr. Kuo-Lun Tung**

**Prof. Dr. Mikel Duke**

**Dr. Dong-Yeun Koh**

**Prof. Dr. Tomohisa Yoshioka**

Deadline for manuscript  
submissions:

**closed (30 September 2022)**

### Message from the Guest Editors

This Special Issue covers a range of contemporary inorganic membrane topics, including (but not limited to):

### Membrane Types

- Metal oxide/ceramic or Siliceous membranes
- Metal–organic framework (MOF) membranes
- Zeolite membranes
- Metallic membranes
- Ion transport membranes
- 2D (e.g., graphene/GO/layered zeolite) and 1D (e.g., nanotube) membranes
- Hybrid/mixed matrix membranes

### Application Areas

- Light gas separations (e.g., CO<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub>)
- Hydrocarbon gas separations
- Hydrocarbon liquid separations
- Organics-from-water (including biorefinery) separations
- Isotope or nuclide separations
- Water treatment (e.g., desalination, decontamination, processed water)
- Biomolecule/biochemical separations
- Membrane reactors
- Membrane contactors or other hybrid processes
- Membrane-based sensors and analytical devices

### Technical Areas

- Membrane growth, fabrication and characterization
- Membrane transport modeling (simulation)



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# Special Issue



# membranes

- Membrane transport modeling/simulation
- Membrane scale-up, piloting, or industrial use
- Membrane process design and economics

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## Editor-in-Chief

**Prof. Dr. Spas D. Kolev**  
School of Chemistry, The  
University of Melbourne,  
Melbourne, VIC 3010, Australia

## Author Benefits

**Open Access:** free for readers, with applications in water, energy (AFC) and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome at the scientific community and the general public. *Physical Chemistry and Engineering* as soon as it is published. We would be pleased to welcome you as one of our authors.

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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, energy (AFC) and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome at the scientific community and the general public. *Physical Chemistry and Engineering* as soon as it is published. We would be pleased to welcome you as one of our authors.

## Contact Us

Membranes Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

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