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Advances in Membrane Distillation

Guest Editors:

Prof. Dr. Fei Guo

School of Energy and Power
Engineering, Dalian University of
Technology, No.2 Linggong Road,
Dalian 116024, China

Dr. Zongli Xie

CSIRO Manufacturing, Private
bag 10, Clayton South, VIC 3169,
Australia

Deadline for manuscript
submissions:

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Message from the Guest Editors

Dear Colleagues,

We are delighted to invite you to submit your original research work to the upcoming Special Issue of *Membranes* on Membrane Distillation. Membrane distillation is a rapidly growing technology with great potential in various fields including desalination, wastewater treatment, food industry, and pharmaceutical production. Membrane distillation has distinct advantages over traditional separation techniques such as low fouling tendency, high separation efficiency, and the ability to operate at low temperatures and pressures.

This SI aims to compile recent advances in membrane distillation technology and its applications, presenting them alongside emerging challenges and potential solutions. We welcome original research articles, reviews, and perspectives on various aspects of membrane distillation. Potential topics include, but are not limited to:

- Novel membrane materials and structures;
- Advanced membrane distillation configurations and systems;
- Fouling and scaling phenomena and mitigation strategies;
- Modeling and simulation of membrane distillation processes;
- Applications of membrane distillation in desalination, wastewater treatment, and other areas.



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Special Issue



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Editor-in-Chief

Prof. Dr. Spas D. Kolev

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

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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Membranes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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