Special Issue

Hollow Fiber Membrane Technology and Applications

Message from the Guest Editors

Hollow fiber membranes are ubiquitously used in industrial separations and has received increased interest for its self-supporting property, good flexibility, high packing density, large specific surface area, and high energy-efficient. The prominent objective of this Special Issue is to provide an opportunity for researchers to share their high-quality research and review papers on all aspects related to Hollow Fiber Membrane Technology and Applications. Topics of interest include, but are not limited to:

- Hollow-fiber membrane based new materials including COF, MOF, GO, MXene...
- Fabrication techniques including TIPS, NIPS, stretching, electrospinning...
- Hollow-fiber membrane for membrane contactor, membrane reactor, Membrane aeration...
- Emerging application like CO2 capture, artificial lung, forward/reverse osmosis, nanofiltration, solvent extraction, membrane deoxygenators, renal dialysis, membrane distillation/absorption, membrane bioreactor, refrigeration systems.
- Modeling and simulation of hollow-fiber membrane processes.
- Reinforcing or modification of hollow fiber membrane.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2024)

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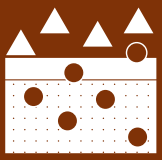

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About the Journal

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 accessjournal 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.

Editor-in-Chief

Prof. Dr. Spas D. Kolev
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