Special Issue

Emerging Materials for Mixed-Matrix Membranes

Message from the Guest Editors

The purpose of this special issue is to assemble a collection of research, covering recent progress in materials for MMMs used in desalination, gas separation, wastewater treatment processes, and solvents and resources recovery. High-quality submissions are not limited to the novel materials development for MMMs, but modeling of transport properties, membrane characterizations, and application-oriented research of emerging materials looking into fouling, scaling-up, long-term stability and (techno)economic analysis are welcome. Field of studies can include any gas separation, reserve-, forward- and pressure-retarded osmosis, membrane contactor and distillation, nano-, ultra- and micro-filtration, organic solvent nanofiltration, and oil/water separation. Interested authors are invited to submit their latest results, perspectives, opinions, or review papers on the topics above. Keywords

- Nanoporous nanomaterial
- Novel polymeric material Flat-sheet membrane
- Hollow-fiber membrane
- Interfacial morphology
- Membrane characterization
- Mixed-matrix membrane fabrication
- Modeling of transport
- Membrane fouling
- Technoeconomic review
- Scaled-up fabrication

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2021)

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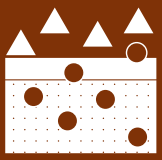

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Message from the Editor-in-Chief

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 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

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