Special Issue

Electrospun Nanofibrous Membrane for Environmental Applications

Message from the Guest Editors

Electrospinning is a popular technique that is widely used in a variety of fields to fabricate nanofibers due to its versatility, scalability, low cost, and easy use. The resultant electrospun nanofibrous membranes offer several attractive features, including high surface area and porosity, intrinsic rough texture, controllable pore size/thickness, and interconnectivity. These outstanding properties make the electrospun nanofibrous membrane a versatile and promising material for environmental applications, such as desalination, oil/water separation, heavy metal adsorption, and photocatalysis. Over the past few years, we have witnessed a surge in the design and engineering of nanofibrous membranes and structures to enhance their selectivity, permeability, wettability, and stability. These major breakthroughs have led the way to greatly improved process efficiency, reduced treatment cost and energy consumption, and many new exciting possibilities in environmental applications. **Keywords**

- Electrospinning
- Nanofibrous membrane
- Water treatment
- Environmental application

Guest Editors

Dr. Weihua Qing

Prof. Dr. Xianhui Li

Dr. Senlin Shao

Deadline for manuscript submissions

closed (10 June 2022)

Membranes

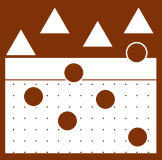
an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/si/85530

Membranes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
membranes@mdpi.com

mdpi.com/journal/membranes



Membranes

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/journal/membranes

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Polymer Science) / CiteScore - Q1 (Chemical Engineering (miscellaneous))