Special Issue

Advanced Preparation Technology for Separation Membrane

Message from the Guest Editor

Due to their efficiency and ability to deliver process intensification, membrane separation technology has been used in various applications, such as water treatment, pharmaceutical, petroleum, and energy-related industries. However, a limited separation performance, low productivity, and short membrane lifespan present severe technical challenges to membrane separation. To solve those issues, the innovation of membrane preparation techniques is more urgent than that of membrane materials, not only affecting physicochemical properties and the separation performance of the fabricated membranes, but also directly determining their potential of industrialized application. This Special Issue seeks contributions assessing the state-of-the-art and future developments in the field of separation membrane preparation. Topics include, but are not limited to, new manufacturing techniques and materials developments, gas purification and water treatment applications, demonstration efforts and industrial exploitation. Authors are invited to submit their latest results; both original papers and reviews are welcome.

Guest Editor

Dr. Liangliang Dong
School of Chemical and Material Engineering, Jiangnan University, 1800 Lihu Road, Wuxi 214122, China

Deadline for manuscript submissions

closed (30 September 2022)

Membranes

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/si/117360

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

MDPI

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))