Special Issue

Design of Composite Membranes towards High-Efficiency Separation

Message from the Guest Editor

In most cases, membrane configuration dictates separation performance. One of the typical membrane configurations involves the construction of an ultrathin top layer composited with an underlying support, referred to as “composite membrane”. In this way, the top layer in which the major resistance lies provides the separation function during filtration, while the mechanical stability of the membrane is guaranteed by the support. This asymmetric configuration lends composite membranes to separation applications with high flux and high selectivity. Therefore, great attention should be paid to composite structures when designing advanced membranes for different separation scenarios. This Special Issue aims to broadcast the recent progress in the design of composite membranes for high-efficiency separation.

Guest Editor

Prof. Dr. Leiming Guo

Key Laboratory of Textile Science and Technology, Ministry of Education, College of Textiles and Innovation Center for Textile Science and Technology, Donghua University, Shanghai 201620, China

Deadline for manuscript submissions

closed (31 October 2023)

Membranes

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/si/155431

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))