

Special Issue

Membrane Fouling during Water/Wastewater Treatment Processes

Message from the Guest Editors

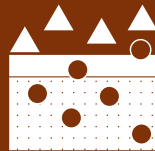
Over the past two decades, membrane fouling in drinking water and wastewater treatment has become a significant concern. Organic and inorganic fouling present major challenges that hinder the efficiency and performance of membrane systems. The consequences of membrane fouling include reduced water flux, decreased membrane selectivity, increased operational and maintenance costs, and shortened membrane lifespan. In this Special Issue, we invite authors to submit original research articles and reviews addressing membrane fouling and anti-fouling strategies in water treatment. Potential contributions may include the following: - Visual characterization of fouled membranes; - Identification and analysis of fouling agents on membrane surfaces and within the membrane matrix; - Elucidation of fouling mechanisms; - Development of innovative and sustainable anti-fouling technologies; - Optimization of cleaning protocols to enhance membrane longevity without compromising structural integrity.

Guest Editors

Dr. Nan Wang
Dr. Jianyong Feng
Dr. Da Sheng

Deadline for manuscript submissions

closed (31 December 2024)



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

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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 access journal 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

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