

Special Issue

Advanced Polymeric Membranes for Energy & Environment

Message from the Guest Editors

Air and water pollution are two of the major challenges faced by the current world. Membrane technology provides a sustainable pathway to overcome these challenges by efficient separation and treatment. The applications of membrane technology are diverse and range from CO₂ capture from powerplants, water and wastewater treatment to bio-fuels upgradation and natural gas processing, and so on. These applications require the use of different membrane processes. Despite their many advantages, current membranes face certain limitations that hinder their wide-scale industrial application. There is an urgent need to design membrane materials that facilitate the commercialization of membranes. This Special Issue aims to cover recent advances in membranes development and is mainly aimed at environmental and energy applications. The Special Issue will cover both original research articles and reviews in subject areas including membrane fabrication, new materials, membrane modification, membrane fouling control, membrane modelling and other methods and techniques to improve the efficiency of membrane processes.

Guest Editors

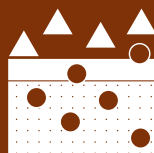
Dr. Asim Khan

Dr. Salman Shahid

Dr. Pejman Ahmadiannamini

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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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