Special Issue

Design and Optimisation of Membrane Technologies for Wastewater Treatment

Message from the Guest Editors

The recent surge in interest in membrane technology and its cutting-edge applications among academics and scientists is indicative of its potential to address the complex issues associated with wastewater treatment. This Special Issue was developed with the explicit purpose of delving into advanced membrane-based technologies tailored for desalination and water reuse. The central focus of this initiative is the development of efficient separation membranes, involving a meticulous exploration of their fabrication and performance optimisation. The spectrum of technologies covered includes membrane distillation (MD), pervaporation (PV), forward osmosis (FO), reverse osmosis (RO), nanofiltration (NF), ultrafiltration (UF), microfiltration (MF), and more. Encompassing both experimental and theoretical research activities, this Special Issue aims to create a comprehensive understanding of these membrane technologies within the field of water reuse and desalination applications. Esteemed researchers and academics are warmly invited to contribute their latest findings to bring forth a wealth of insights into the design and development of advanced membrane-based technologies.

Guest Editors

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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

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