Special Issue

Membrane Bioreactors: Recent Development and Application

Message from the Guest Editors

This Special Issue aims to bring together leading researchers and practitioners to share their insights, innovations, and experiences in the field of MBRs. By fostering interdisciplinary collaboration, we encourage the authors to address existing knowledge gaps, identify emerging challenges, and propose actionable solutions for optimizing MBR performance. The goal is to advance the scientific understanding and practical applications of MBR technology to meet evolving environmental and regulatory demands. Original research articles and comprehensive reviews are welcome, including, but not limited to, the following:

- Novel membrane materials with anti-fouling property;
- Configuration design and model development of MBR systems;
- Biofouling control, membrane cleaning and resource recovery strategies;
- Emerging MBR derivatives with improved process performance, such as biofilm MBR (BF-MBR), dynamic MBR (DMBR), and osmotic MBR (OMBR);
- Hybrid MBR systems that combine biological and physicochemical processes;
- Applications of MBRs for treatment of emerging pollutants.

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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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