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Research on Wastewater Treatment with the Application of Membrane Bioreactors

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Message from the Guest Editor

With the population growing, consumption patterns altering, and living standards improving, the shortage of water resources becomes one of the major obstacles restricting the sustainable development of human society. As a promising option for wastewater treatment, (an)aerobic membrane bioreactor (MBR) enables the removal of pollutants while harvesting the resource and renewable energy from the contaminated water. Despite its huge success, the worldwide application of MBR is still facing some knotty problems to be solved, like fouling and scaling, the compromise between permeability and selectivity, and relatively high maintenance and operating costs.

This Special Issue aims to provide a platform to gather recent advancements in the applications of membrane bioreactors for wastewater treatment, resource recovery, and energy conversion. All aspects that contribute to the innovation of the design and application of MBRs are of interest. We are pleased to invite you and your colleagues to submit your original research articles and comprehensive reviews. The submission site is ready to receive your contributions towards the science of membrane bioreactors.



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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 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.

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