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Advanced Membrane Technologies for Wastewater and Solid Waste Treatment

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Deadline for manuscript submissions:
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Message from the Guest Editors

Membrane-based technologies have emerged as promising solutions for the efficient treatment of wastewater and solid waste. Specially, membrane reactors have become efficient technologies for wastewater and organic solid waste treatment. Furthermore, membrane reactors are generally associated with stable treatment performance and economic benefits. The circular economy is changing wastewater and solid waste management, with the aim of maximizing energy generation and resource recovery from wastewater.

This Special Issue involves numerous topics within the research field of membrane sciences. Authors are invited to submit original articles and reviews concern (1) advanced membrane technologies for wastewater and solid waste treatment; (2) innovative membrane reactors; (2) energy recovery and carbon source separation; (3) new fouling mitigation strategies; (4) economic and environmental evaluations of membrane reactors; (5) the development of fouling and scaling mechanisms; (6) materials for membrane synthesis; (7) zero discharge membrane processes; and (8) the modelling, design, management, and application of membrane technologies.

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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.

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