Special Issue

Advance in Photocatalytic Membrane Reactor (2nd Edition)

Message from the Guest Editors

The lack of access to clean water remains a severe issue all across the world. In this way, coupling photocatalysis with membrane filtration, which is known as a photocatalytic membrane reactor (PMR), is gaining popularity as a water treatment alternative. The development of hybrid materials that exhibit the simultaneous action of photocatalysis and membrane filtration can lead to improved water treatment processes. In addition, photocatalysis can greatly improve membrane processes by limiting fouling formation. There has been considerable progress in the development of photocatalytic membrane reactors, which will soon be available on the water/wastewater treatment market. This Special Issue highlights some of the recent advances in PMRs, including membrane elaboration, reactor configuration, and possible applications in water treatment. Research areas may include, but are not limited to, the following: the effect of irradiation time and light intensity on membrane material; progress in the configuration and operational parameters of PMRs; and development prospects for practical applications (process efficiency and light source).

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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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