Special Issue

Membrane Catalytic Oxidation in Water Treatment

Message from the Guest Editor

This Special Issue aims to explore the application of membrane catalytic oxidation (MCO) technology in the field of water treatment, focusing on its innovative approaches, efficiency, and potential for sustainable water purification. Membrane catalytic oxidation represents a cutting-edge method that combines the advantages of membrane separation processes and catalytic oxidation reactions to degrade contaminants in water, offering an advanced solution to the growing demand for high-performance water treatment technologies. This Special Issue will cover a wide range of topics related to membrane catalytic oxidation, including but not limited to the following:

- Inorganic electrified membranes;
- Confined catalytic membranes;
- Catalytic membrane materials and designs;
- Fundamentals and mechanisms of catalytic membranes.

Guest Editor

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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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