Special Issue

Fouling and Cleaning in Membrane Processes, Volume II

Message from the Guest Editors

Fouling is the growth and/or accumulation of material on the exterior or interior surfaces of a membrane. Fouling presents the largest challenge towards a more widespread use of membrane separation, a potentially energy- and cost-efficient separation operation, in a broad range of industrial sectors. Fouling leads to flux decline, increased energy consumption, impaired product quality, shortened membrane lifetime, and increased operating costs. The problem of fouling is a long-standing, chronic challenge which is unlikely to be eliminated and leads to frequent equipment shut-down and cleaning. The removal or cleaning of fouling layers from membranes is, therefore, critically important to restore equipment sterility and performance. Cleaning processes are often a major contributor to the water, energy, and chemical footprint of many industries. Improving the effectiveness of cleaning is key to reduce financial and environmental penalties. This Special Issue is dedicated to recent advances and new research trends in investigation and characterization techniques applicable to fouling and cleaning of membrane processes.

Guest Editors

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Deadline for manuscript submissions

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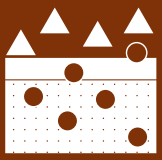

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Message from the Editor-in-Chief

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

Prof. Dr. Spas D. Kolev
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