Special Issue

Research in Advanced Antifouling Membranes

Message from the Guest Editors

Membranes and membrane-based separations have been widely applied in the fields as diverse as water purification, healthcare technology, chemical and pharmaceutical industries, *etc*. However, inevitable surface fouling makes traditional membranes commonly suffer from severe declines in membrane permeance and separation efficiency, as well as membrane lifespan. Developing advanced antifouling membranes to achieve sustainable and efficient separation processes is highly desired, but always challenging. This Special Issue aims to shine light on ongoing and future research in Advanced Antifouling Membranes. We are interested in underlining advanced technologies, innovative methods, and new materials for developing antifouling membranes. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: the material and structure design of antifouling membranes, polymeric and inorganic antifouling membranes, biomimetic superwetting membranes, membrane applications in oil/water separation, molecular separation, desalination, membrane distillation, etc., as well as theoretical study on antifouling membranes.

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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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