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Development of Antifouling Ultrafiltration Membranes

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Deadline for manuscript
submissions:

closed (10 September 2022)

Message from the Guest Editors

We are pleased to invite you to contribute to the present Special Issue. It focuses on the development of antifouling membranes using various membrane modification strategies and novel approaches of membrane preparation. The Special Issue aims to cover the latest progress in the design of antifouling membrane surfaces including membrane polymer modification (pre-modification), blending of the membrane polymer with a modifying agent (additive) and surface modification after membrane preparation (post-modification) (grafting, coating, immobilization).

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Development of antifouling membranes;
- Membrane modification;
- Modification using polyelectrolytes;
- Modification using block-copolymers;
- Modification using nanoparticles;
- Hydrophilization of membrane;
- Smart membranes;
- Self-cleaning membranes;
- Water treatment;
- Grafting;
- Coating;
- Immobilization;
- Layer-by-layer;
- Photocatalytic membranes.



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We look forward to receiving your contributions.

Special Issue



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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 access journal 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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