Special Issue

Environmentally Conscious Development of Membrane Separations

Message from the Guest Editor

As an emerging unit operation, membrane technology not only plays an important role in separation processes but also holds promise for achieving sustainable development in the context of lowering the energy consumption and reducing the environmental footprint. However, advancing membrane separations still faces various challenges. On the one hand, the efficiency of membrane processes needs to be further enhanced by mitigating the negative effects or optimizing filtration performance of the membrane. On the other hand, the use of synthetical polymers for the membrane fabrication raises environmental concerns. This Special Issue is intended to report recent advances in membrane separations that address these sustainability-related challenges. Research articles and reviews are all welcome to cover (but not limited to) the following topics: (i) efficiency-enhancing techniques for membrane separations; (ii) novel methods for green fabrication of membranes; (iii) effective strategies for minimizing negative impacts of membrane separations on the environment.

Guest Editor

Dr. Weiyi Li

School of Environmental Science and Engineering, Southern University of Science and Technology, Shenzhen 518055, China

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Membranes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
membranes@mdpi.com

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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
School of Chemistry, The University of Melbourne, Melbourne, VIC 3010, Australia

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