Special Issue

Advanced Separation Technology in Membranes

Message from the Guest Editor

Membrane separation technology has been used in various applications such as water treatment and pharmaceutical-, petroleum-, and energy-related industries due to their efficiency and ability to deliver process intensification. However, limited separation performance, low productivity, and a short membrane lifespan present severe technical challenges to membrane separation. To solve those issues, innovations in membrane preparation techniques are more urgent than for membrane materials, because these techniques not only affect the physicochemical properties and separation performance of the fabricated membranes but also directly determine their potential industrialized application. This Special Issue seeks contributions to assess the state-of-the-art and future developments in the field of separation membranes. Topics include, but are not limited to, new manufacturing techniques and material developments, gas purification and water treatment applications, demonstration efforts and industrial exploitation. Authors are invited to submit their latest results; both original papers and reviews are welcome. We look forward to receiving your contributions.

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

Prof. Dr. Spas D. Kolev
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