

Special Issue

Cellulose and Nano-Cellulose Based Flexible Membranes

Message from the Guest Editors

Cellulose is one of the raw materials used for the production of membranes. Using pure cellulose or its derivative solutions in different solvents has been the traditional method. During the last decade, nanofibrillar cellulose (NFC) and cellulose nano-crystal (CNC) films with enhanced barrier characteristics have also been investigated for the production of highly oriented super strong films or membranes. Cellulose-based film or fibrous membranes have a wide range of applications including water treatment, heavy metals and dye removal, biomedical applications, toxic gas barrier, catalytic membrane, and many others. In this Special Issue, we are going to publish the last updated research results to cover 1) the methods of nano-cellulose-based membrane production; 2) the nano-cellulose-based membrane application; and 3) the test and evaluation methods for this type of membrane. It is our hope that the researchers will want to share their research results in this Special Issue.

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About the Journal

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.

Editor-in-Chief

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