

Special Issue

Nanofibrous Membrane

Message from the Guest Editor

Nanofibrous membranes are characterized by a very high surface-to-volume ratio and high porosity with three-dimensionally interconnected microporous structures. Nanofibrous membranes can be prepared to utilize various technologies such as bicomponent extrusion, electrospinning, melt blowing, phase separation, centrifugal spinning, drawing, self-assembly, and template synthesis. The unique features of these membranes make them a strong and excellent candidate for several progressive uses in areas such as superior performance filtration, composite materials, battery separators, electrochemical sensing, and biomedical applications. The use of nanofibrous membranes for biomedical applications has attracted a great deal of attention in the past several years. The aim of this Special Issue is to fabricate and characterize engineered nanofibrous membranes and to evaluate the biological functions of membranes for various biomedical applications. Topics include various fabrication methods, unique characterization, polymer and ceramic functional materials, biomedical applications such as tissue regeneration, drug delivery, etc.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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