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Electrically Conductive Membranes

Guest Editor:

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Message from the Guest Editor

Electrically conductive membranes have the potential to enable enhanced performance in controlling the flux, separation, permselectivity, antifouling, or controlled release properties via electrical stimulation. Therefore, they could be used in different applications to address various challenges. However, there is still a need to develop novel conductive-materials-based membrane system technologies and gain mechanistic and structural understanding. This Special Issue specifically focuses on Electrically Conductive Polymeric Membranes and their potential applications including water treatment, separations (including biological separation), food packaging, and biomedical applications. It expects to receive contributions in the form of original research papers and reviews. Topics may include but are not limited to novel conductive-polymeric-materials-based membrane development and characterization, composite membranes involving conductive graphene or carbon nanotubes, surface-modified conductive membranes, novel manufacturing techniques, electrical-stimuli-mediated separation or controlled release, and the economic feasibility of conductive polymeric membranes.

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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).

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