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Mass Transfer in Membranes

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Deadline for manuscript submissions:
closed (15 November 2018)

Message from the Guest Editor

Dear Colleagues,

Mass transfer is fundamental phenomenon that movement of mass from one side to another. The driving force for mass transfer is a difference in chemical potential, and other thermodynamic gradients may accommodate the mass flow. A membrane is an interphase between two adjacent phases, acting as a selective barrier, regulating the transport of substances between the two compartments, and is employed for specific functions, including separation/purification of gases, vapors, liquids, ions, or biological matters.

This Special Issue focuses on mass transfer in membranes for industrial membrane applications, such as separation/purification, barrier, extraction, fuel cell, battery, dialysis, etc. The topics of interests include, not only synthesis of novel membrane materials, membrane characterization, membrane performance and their applications, but also theoretical work of mass transport in membranes. The Guest Editor invites you to submit your original research or critical review articles to this Special Issue on “Mass Transfer in 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).

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.

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