Special Issue

Facilitated Transport Membranes for Gas Separations

Message from the Guest Editor

Facilitated transport membranes have been considered extremely attractive for a long time for their ability to increase the permeability and selectivity of target molecules with respect to other compounds. The presence of selective carriers which are able to transport the compounds of interest across the membrane, mimicking the mechanisms of many biological membranes, have resulted in a very interesting approach to separation and stimulate research from both academia and industry. Among the many possible applications, the present paper focuses on the use of facilitated transport membranes in the field of gas separation. Papers are sought focusing on the development and production of new materials and/or carriers for gas separation membranes as well as on the study of the transport phenomena in the membrane and membrane module. General reviews about the most common separation and studies related to novel or hybrid applications are also welcome.

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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