Special Issue

Membrane Development for Energy Conversion

Message from the Guest Editors

Energy conversion refers to the global energy sector's shift from fossil-based systems of energy production and consumption—methods incorporating oil, natural gas and coal—to renewable sources like wind, solar, and hydrogen energy. Thanks to its economic and environmental friendliness, renewable energy is regarded as one of the ultimate solutions to human energy problems, one which is profoundly affecting the long-term reconstruction of the world's energy supply and application system and accelerating the rapid change and generational development of transportation, power generation, industry and housing. Membrane has been playing an important role in alleviate the energy penalty and prohibitive cost associated with the separation, purification and conversion of energy and other industrial commodities, the processes for which involve a large proportion of energy production worldwide. The membrane industry has been devoted to solving the large demand for water in the energy industry, to addressing pollution of the atmosphere and water environment, and to development new energy industries.

Guest Editors

Dr. Tao Zhang

Dr. Huai Su

Dr. Ran Tao

Dr. Ping Hu

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Membranes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
membranes@mdpi.com

mdpi.com/journal/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.

Editor-in-Chief

Prof. Dr. Spas D. Kolev
School of Chemistry, The University of Melbourne, Melbourne, VIC 3010, Australia

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