Special Issue

Development and Application of Ceramic Membranes

Message from the Guest Editors

Ceramic membranes are playing an important role in sustainable environment and energy applications, including wastewater and drinking water treatment, gas separation, organic solvent separation, solid-state cells/batteries, chemical membrane reactors, carbon capture and conversion, pharmaceutical production, as well as beverage and beer production. The Special Issue aims to collect original high-quality articles that explore the full potential of ceramic membranes for a wide variety of applications related to sustainable environment and energy. The research areas include (but are not limited to) the following: novel materials development, structural design and optimization, low-cost/energy-saving fabrication technology, surface and interface engineering, transport and separation mechanisms, membrane fouling mitigation, process modeling and simulation, new energy and environment applications, as well as typical industrial applications.

Guest Editors

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Deadline for manuscript submissions

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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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