Special Issue

Application of Membrane Materials for Gas/Chemical Separation

Message from the Guest Editor

Separation is an important process in chemical industry, and its energy consumption occupies ~40% of the total chemical process. Membrane-based separation technology has garnered immense attention because of its low energy consumption, high separation efficiency, and small footprint, which has been widely utilized in the fields of water purification, gas separation, VOCs recovery, ion exchange, etc. This Special Issue aims to collate papers that focus on the fabrication, characterization, modification, process engineering and application of various membrane materials, including polymeric membranes, inorganic membranes, mixed matrix membranes, etc., with the aim of achieving effective separation.

Guest Editor

Dr. Zhihao Si

College of Life Science and Technology, Beijing University of Chemical Technology, Beijing 100029, China

Deadline for manuscript submissions

closed (30 September 2024)

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

mdpi.com/journal/separations

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Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman
Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

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