

Special Issue

Membrane Preparation and Application for Separations and Water Treatment

Message from the Guest Editors

Membrane technologies are used in large-scale water and wastewater treatment processes, attributed to their remarkable features of compactness, easy automation, and high removal of contaminants with different sizes. However, a limited separation performance, low productivity, and short membrane lifespan present technical challenges to membrane separation. To solve those issues, the development of membrane preparation techniques is more urgent than that of membrane materials, not only affecting physicochemical properties and the separation performance of the fabricated membranes, but also directly determining their potential for industrialized application. This Special Issue on “Membrane Preparation and Application for Separations and Water Treatment” seeks contributions assessing the state-of-the-art and future developments in the field of separation membrane preparation and applications for water and wastewater treatment. Topics include, but are not limited to, new manufacturing techniques and materials developments, and water/wastewater treatment applications, demonstration efforts, and industrial exploitation.

Guest Editors

Dr. Zhun Ma

College of Chemical and Biological Engineering, Shandong University of Science and Technology, Qingdao 266590, China

Prof. Dr. Xueli Gao

College of Chemistry & Chemical Engineering, Ocean University of China, 238 Songling Road, Qingdao 266100, China

Deadline for manuscript submissions

closed (10 April 2023)



Separations

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Impact Factor 2.7
CiteScore 4.5



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

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About the Journal

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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