



an Open Access Journal by MDPI

State-of-the-Art Membrane Technologies in Chemical Engineering

Guest Editors:

Prof. Dr. Fausto Gallucci

Inorganic Membranes and Membrane Reactors, Sustainable Process Engineering, Department of Chemical Engineering and Chemistry, Eindhoven University of Technology, 5612 AZ Eindhoven, The Netherlands

Dr. Rouzbeh Ramezani

Inorganic Membranes and Membrane Reactors, Sustainable Process Engineering, Department of Chemical Engineering and Chemistry, Eindhoven University of Technology, 5612 AZ Eindhoven, The Netherlands

Message from the Guest Editors

Membranes and membrane operations are becoming a mainstay in the chemical industry. Novel membrane materials allow separations at a reduced OPEX and CAPEX compared to more conventional separations. While membrane separation is market-leading technology in water desalination, it has several advantages in other fields such as gas separation, gas/liquid contacting, solvent recovery, liquid separations, and integrated reactors.

In this Special Issue, we aim to collect the latest developments in membrane materials and operations applied to chemical engineering. Research regarding both material synthesis, membrane testing, and module and process design are welcome in the Special Issue. Topics include but not are limited to CCU, gas separation, membrane reactors, liquid separations, solvent recovery, etc.

Deadline for manuscript submissions:

20 October 2024



mdpi.com/si/152131

Special Issue