

Special Issue

Membrane Technologies for Desalination and Wastewater Treatment

Message from the Guest Editor

With growing global demand for clean water and sustainable resource management, membrane technologies have emerged as vital tools in desalination and wastewater treatment. Advanced membrane systems—including nanofiltration, reverse osmosis, ultrafiltration, microfiltration, forward osmosis, and membrane bioreactors—offer energy-efficient and scalable solutions for removing salts, heavy metals, organic micropollutants, and pathogens from challenging water matrices. This Special Issue on “Membrane Technologies for Desalination and Wastewater Treatment” aims to highlight recent advances in new membrane materials, separation mechanisms, and process optimization for desalination and water treatment.

Guest Editor

Dr. Qiang Xue

Singapore Membrane Technology Centre, Nanyang Environment and Water Research Institute, Nanyang Technological University, Singapore 637141, Singapore

Deadline for manuscript submissions

20 February 2026



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/245290

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

[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))