Special Issue

Latest Innovations in Seawater Desalination Processes

Message from the Guest Editors

Water scarcity and the depletion of water reservoirs are increasing threats in many areas of the world. It is estimated that 66% of the global population suffers from severe water stress for at least one month per year, and this share is expected to increase in the near future. In this regard, seawater desalination is a feasible solution to mitigate this issue. This Special Issue on "Latest Innovations in Seawater Desalination Processes" seeks high-quality works focusing on the latest novel advances in desalination processes, mainly aimed at membrane-based seawater desalination and including emerging technologies such as forward osmosis and pressure-retarded osmosis. Topics include, but are not limited to:

- Progress in membrane and thermal desalination processes (forward osmosis, pressure-retarded osmosis, reverse osmosis, nanofiltration, multi-effect distillation, membrane distillation).
- Advancements in desalination processes powered by renewable energy (solar, wind, geothermal, ocean, etc.).
- Innovative combined power and desalination schemes (Rankine and Brayton cycles).
- Zero liquid schemes (brine valorization/recovery).

Guest Editors

Dr. Bartolomé Ortega-Delgado
Department of Energy Engineering, Escuela Técnica Superior de Ingeniería, 41092 Sevilla, Spain

Dr. Patricia Palenzuela-Ardila
Solar Thermal Applications Unit, CIEMAT-Plataforma Solar de Almería, 04200 Tabernas, Spain

Deadline for manuscript submissions

closed (30 September 2024)

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/140340

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

mdpi.com/journal/processes

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

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))