Special Issue

Membrane Distillation

Message from the Guest Editor

Membrane distillation (MD) is relatively a new membrane process becoming of significant interest, mainly due to its ability to exploit waste grade and low heat for operation and nearly feed concentration-independent production of high-purity distillate. In addition to traditional desalination, the process has been declared feasible for various applications in the pharmaceutical, agrofood, petroleum and nuclear industries. Due to its unique features and a broad sphere of applications, the process has recently gained considerable attention from both academia and industry. The Special Issue will cover developments at various forefronts of MD, including membrane preparation, transport phenomenon, fouling and scaling issues, process improvements and applications. The contributions on temperature polarisation phenomenon, new microporous hydrophobic membranes, graphene and 2D materials for membrane preparation and applications in various nontraditional areas, such as space and nuclear sectors, are particularly welcomed.

Guest Editor

Prof. Dr. Enrico Drioli

National Research Council Institute on Membrane Technology (ITM-CNR), c/o University of Calabria, Cubo 17C, 87036 Rende, Italy

Deadline for manuscript submissions

closed (20 December 2016)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/7067

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, 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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)