



Membrane Distillation

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Message from the Guest Editor

Dear Colleagues,

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.





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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.

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