



Solar-assisted Membrane Distillation

Guest Editor:

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Deadline for manuscript
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Message from the Guest Editor

Dear Colleagues,

Different membrane desalination (MD) processes under thermal-based and pressure-driven methods have been implemented using solar energy resources with a corrosion-free heat exchanger. The combination of solar thermal and PV energy (or thermal/PV hybrid) with MD has proven technically feasible and widely recognized in saline water desalination. Technological assessments have been examined in the nexus of technical feasibility and economic benefits with the aim to create integrated systems of a solar-assisted thermal-driven transport of vapor through a porous hydrophobic membrane. The advances and prospects of using emerging membrane desalination modules on device performance are discussed. This Special Issue is dedicated to providing a forum of comprehensive coverage on the state-of-the-art and study of advanced applications in MD with solar energy resources and delivering suitable large-scale design MD processes in various industrial applications. Both original research articles and reviews are welcomed. All submissions for the Special Issue will go through the normal peer-review process.

Prof. Dr. Chii-Dong Ho

Guest Editor





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Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375).

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