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Paper Title :

Sustainable Desalination Using Wind-Powered Multi-Stage Vacuum Membrane Distillation

Bio :

Dr. Mohamed Abdallah Fahmy Kotb is a Ph.D. candidate and Teaching Assistant in Mechanical Engineering at King Fahd University of Petroleum and Minerals (KFUPM). His research focuses on developing energy-efficient membrane distillation systems for sustainable water desalination, integrating renewable energy and CFD analysis. His interests include thermal sciences, desalination, renewable energy, and system optimization. Dr. Kotb has published several Q1 journal papers, contributed to U.S. patents, and received multiple awards for excellence in research and teaching.