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Teaching experience : 15 years

Area of Specialization: Thermal Engineering

Area of Research : Solar heating & cooling, Vapour Absorption & Adsorption.

Published Papers:

1. Arshi Banu, P.S., Sudharsan, N.M., 2018, 'Review of water based vapour absorption cooling systems using thermodynamic analysis', Renewable Sustainable Energy Reviews, vol.82, pp. 3750–3761, ISSN: 1364-0321. IF – 8.05.
2. Arshi Banu, P.S., Sudharsan, N.M., 2018, 'Experimental heat and mass transfer studies on horizontal falling film absorber using water-lithium bromide' Thermal Science, OnLine-First (<https://doi.org/10.2298/TSCI180307208A>):208-208. ISSN: 2334-7163. IF-1.45.
3. Arshi Banu, P.S., Sudharsan, N.M., 2017, Feasibility studies of single-effect H₂O-LiBr+LiI+LiNO₃+LiCl vapour absorption cooling system for solar based applications. Journal of Chemical Pharmaceutical Sciences, vol.12, pp. 1–7. ISSN: 0974-2115,. IF – 0.5.
4. Arshi Banu P.S., Balaji Dhanapal, 2018, Parametric behavior of vapor absorption cooling system using H₂O-LiBr as working fluid for solar energy applications. International Journal of Mechanical Engineering and Technology (IJMET), Volume 9, Issue 13, pp. 1537–1548. ISSN Print: 0976-6340.
5. Noori Banu P.S., Arshi Banu P.S., 2018, Simulation and empirical modeling of a Design of Cyclonic separator to combat air pollution. International Journal of Engineering Science and Technology, Volume 9, Issue 13, pp. 1537–1548. ISSN Print: 0976-6340.