Dr.K.Srithar, M.E, Ph.D. (IIT-M), PDF (ANU-Australia)

Professor,

Department of Mechanical Engineering,

Thiagarajar College of Engineering Specialization: Thermal Engineering Email: ponsathya@hotmail.com

Mobile: +91 9842185302

Last five year publications

- 1.M Vivar, M Fuentes, N Pichel, A López-Vargas, MJ Rodrigo, **K Srithar**(2020).Photovoltaic and solar disinfection technology meeting the needs of water and electricity of a typical household in developing countries: From a Solar Home System to a full ...,Science of The Total Environment, 141082.
- 2.MS Govardhanan, G Kumaraguruparan, M Kameswari, R Saravanan **K Srithar** (2020).Photovoltaic Module with Uniform Water Flow on Top Surface,International Journal of Photoenergy,2020.
- 3.**K Srithar**, T Rajaseenivasan, M Arulmani, R Gnanavel, M Vivar, (2018). Energy recovery from a vapour compression refrigeration system using humidification dehumidification desalination, Desalination 439 (439), 155-161.
- 4.**K Srithar**, T Rajaseenivasan(2018). Recent fresh water augmentation techniques in solar still and HDH desalination—A review, Renewable and Sustainable Energy Reviews 82, 629-644.
- 5.**K Srithar**, T Rajaseenivasan, M Sabeer, T Thirunavukkarasu, V Pavendan(2018).Heat Transfer Study in CPC Solar Water Heater with Turbulators,TERI Information Digest on Energy and Environment 17 (1), 13-24.
- 6.**K Srithar**, T Rajaseenivasan, M Arulmani, R Gnanavel, M Vivar, ...(2018). Energy recovery from a vapour compression refrigeration system using humidification dehumidification desalination, Desalination 439 (439), 155-161.
- 7.**K.Srithar**, KA Balasubramanian, V Pavendan, BA Kumar(2017). Experimental investigations on mixing of two biodiesel blended with diesel as alternative fuel for diesel engines, Journal of King Saud University Engineering Sciences 29 (1), 50-56.
- 8.T Rajaseenivasan, **K Srithar** (2017).Potential of a dual purpose solar collector on humidification dehumidification desalination system,Desalination 404, 35-40.

- 9.C Muthusamy, **K Srithar**(2017). Energy saving potential in humidification-dehumidification desalination system. Energy 118, 729-741.
- 10.**K Srithar**, T Rajaseenivasan(2017).Performance analysis on a solar bubble column humidification dehumidification desalination system,Process Safety and Environmental Protection 105, 41-50.
- 11.T Rajaseenivasan, R Prakash, K Vijayakumar, **K Srithar**(2017).Mathematical and experimental investigation on the influence of basin height variation and stirring of water by solar PV panels in solar still,Desalination 415, 67-75.
- 12.T Rajaseenivasan, **K Srithar**(2017).An investigation into a laboratory scale bubble column humidification dehumidification desalination system powered by biomass energy, Energy Conversion and Management 139, 232-244.
- 13.T Rajaseenivasan, S Ravi Prasanth, M Salamon Antony, **K Srithar**(2017).Experimental investigation on the performance of an impinging jet solar air heater, Alexandria Engineering Journal 56, 63-69
- 14.T Rajaseenivasan, **K Srithar**(2017).Potential of a dual purpose solar collector on humidification dehumidification desalination system,Desalination 404, 35-40.
- 15.**K.Srithar**,T.Rajaseenivasan,P.HariPrasath,Saravanan(2017).Augm entation of distillate yield in a parabolic concentrator integrated solar still,Journal of Desalination and Water Purification 9, 10-15.
- 16.**K.Srithar**,KABalasubramanian,V.Pavendan,BA.Kumar(2017).Expe rimental investigations on mixing of two biodiesel blended with diesel as alternative fuel for diesel engines,Journal of King Saud University Engineering Sciences 29 (1), 50-56.
- 17.T.Rajaseenivasan, **K.Srithar** (2017).An investigation into a laboratory scale bubble column humidification dehumidification desalination system powered by biomass energy, Energy Conversion and Management 139, 232-244.
- 18.T Rajaseenivasan, S Ravi Prasanth, M Salamon Antony, **K Srithar**(2017).Experimental investigation on the performance of an impinging jet solar air heater, Alexandria Engineering Journal 56, 63-69.
- 19.C Muthusamy, **K Srithar**(2017). Energy saving potential in humidification-dehumidification desalination system. Energy 118, 729-741.

- 20.**K Srithar**, T Rajaseenivasan(2017).Performance analysis on a solar bubble column humidification dehumidification desalination system.Process Safety and Environmental Protection 105, 41-50.
- 21.T Rajaseenivasan, R Prakash, K Vijayakumar, **K Srithar**(2017).Mathematical and experimental investigation on the influence of basin height variation and stirring of water by solar PV panels in solar still Desalination 415, 67-75.
- 22.T Rajaseenivan, AP Tinnokesh, G Rajesh Kumar, **K Srithar**(2016).Glass basin solar still with integrated preheated water supply-Theoretical and Experimental investigation,Desalination 398, 214-221.
- 23.T Rajaseenivasan, V Srinivasan, G Syed Mohamed Qadir, **K Srithar**(2016).An Investigation on the performance of sawdust briquette blending with neem power, Alexandria Engineering Journal 55, 2833-2838.
- 24.M Maria Antony Raj, K Kalidasa Murugavel, T Rajaseenivasan, **K Srithar**(2016).A review on flash evaporation desalination, Desalination and Water Treatment 57 (29), 13462-13471.
- 25.**K Srithar**, T Rajaseenivasan, N Karthik, M Periannan, M Gowtham(2016). Stand alone triple basin solar desalination system with cover cooling and parabolic dish concentrator, Renewable Energy 90, 157-165.
- 26.**K Srithar**, T Rajaseenivasan, N Karthik, M Periannan, M Gowtham(2016),Stand alone triple basin solar desalination system with cover cooling and parabolic dish concentrator,Renewable Energy 90, 157-165.
- 27.T Rajaseenivasan, **K Srithar**(2016).Performance investigation on solar still with circular and square fins in basin with CO2 mitigation and economic analysis,Desalination 380, 66-74.
- 28.T Rajaseenivasan, **K Srithar**(2016).Performance investigation on solar still with circular and square fins in basin with CO2 mitigation and economic analysis,Desalination 380, 66-74.
- 29.T Rajaseenivasan, RK Shanmugam, VM Hareesh, **K Srithar**(2016).Combined probation of bubble column humidification dehumidification desalination system using solar collectors, Energy 116, 459-469.
- 30.T.Rajaseenivasan, RK Shanmugam, VM Hareesh, **K Srithar**(2016).Combined probation of bubble column humidification

- dehumidification desalination system using solar collectors, Energy 116, 459-469.
- 31.T.Rajaseenivan, AP Tinnokesh, G Rajesh Kumar, **K Srithar**(2016).Glass basin solar still with integrated preheated water supply-Theoretical and Experimental investigation, Desalination 398, 214-221.
- 32.M Maria Antony Raj, K Kalidasa Murugavel, T Rajaseenivasan, **K Srithar**(2016).A review on flash evaporation desalination, Desalination and Water Treatment 57 (29), 13462-13471
- 33.T.Rajaseenivasan, V Srinivasan, G Syed Mohamed Qadir, **K Srithar**(2016).An Investigation on the performance of sawdust briquette blending with neem power, Alexandria Engineering Journal 55, 2833-2838.
- 34.T Rajaseenivasan, S Srinivasan, **K Srithar**(2015).Comprehensive study on solar air heater with Circular and V type turbulators attached on absorber plate, Energy 88, 863-873.
- 35.C Muthusamy, **K Srithar**(2015). Energy and exergy analysis for a humidification–dehumidification desalination system integrated with multiple inserts, Desalination 367, 49-59.
- 36.C Muthusamy, M Gowtham, S Manickam, M Manjunathan, **K Srithar**(2015).Enhancement of productivity of humidification—dehumidification desalination using modified air heater, Desalination and Water Treatment 56 (12), 3294-3304.
- 37.K Kalidasa Murugavel, **K Srithar**(2015).Effect of cover plate transmittance on solar still performance.International Journal of Green Energy 12, 431-439.
- 38.V Pavendan, K Muthukumar, N Arivazhagan, **K Srithar**(2015).Heat Transfer Augmentation in a Solar water heater using Cross and Twisted Tape Inserts,International Journal of Applied Engineering Research 10 (6), 14739-14754.
- 39.T Rajaseenivasan, S Srinivasan, **K Srithar**(2015). Comprehensive study on solar air heater with Circular and V type turbulators attached on absorber plate, Energy 88, 863-873.
- 40.C Muthusamy, **K Srithar**(2015). Energy and exergy analysis for a humidification–dehumidification desalination system integrated with multiple inserts, Desalination 367, 49-59.
- 41.C Muthusamy, M Gowtham, S Manickam, M Manjunathan, **K Srithar**(2015).Enhancement of productivity of humidification–

- dehumidification desalination using modified air heater, Desalination and Water Treatment 56 (12), 3294-3304.
- 42.K Kalidasa Murugavel, **K Srithar**(2015).Effect of cover plate transmittance on solar still performance.International Journal of Green Energy 12, 431-439.
- 43.V Pavendan, K Muthukumar, N Arivazhagan, **K Srithar**(2015).Heat Transfer Augmentation in a Solar water heater using Cross and Twisted Tape Inserts,International Journal of Applied Engineering Research 10 (6), 14739-14754.
- 44.**K.Srithar**,C.Muthusamy,R.Periyasamy,G Nishanth(2015).Efficiency Intensification of Humidification-Dehumidification Desalination System using different inserts in air heater,International Journal of Applied Engineering Research 10 (5), 13675-13690.