Publications List of Dr R. Senthil in the Last 5 years

1. E. Vengadesan, **R. Senthil**, "A review on recent development of thermal performance enhancement methods of flat plate solar air collector", Renewable and Sustainable Energy reviews, 134, **2020** (SCI, Elsevier), Impact Factor: 12.11.
2. **R. Senthil**, Effect of charging of phase change material in vertical and horizontal rectangular enclosures in a concentrated solar receiver, Case Studies in Thermal Engineering (SCIE, WoS, Elsevier). 21, 100653, **2020**. IF: 4.01.
3. E. Vengadesan, **R. Senthil**, "A review on recent development of thermal performance enhancement methods of flat plate solar water heater", Solar Energy, (WoS, SCI, Elsevier). 206, 935-961, **2020**. IF: 4.608.
4. **R. Senthil**, M. Cheralathan. "Enhancement of the thermal energy storage capacity of a parabolic dish concentrated solar receiver using phase change materials", Journal of Energy Storage, 25, **2019**, 100841. (SCIE, Elsevier). IF: 3.762.
5. **R. Senthil** et al., Enhancement of absorptance of absorber surfaces of a flat plate solar collector using black coating with graphene, Energy Sources Part A (SCI indexed, Taylor & Francis), Sep **2020**. Impact Factor = 1.184.
6. **R. Senthil**, S. Yuvaraj, "A comprehensive Review on Bioinspired Solar Photovoltaic Cells", International Journal of Energy Research, 43(3), pp. 1068-1081, (WoS, SCIE, Wiley), Impact Factor: 3.741.
7. **R. Senthil**, "Effect of uniform and variable fin height on charging and discharging of PCM in a horizontal cylindrical thermal storage, Thermal Science, (SCIE), 22, 3 Part B, 1981-1988, **2017**. IF: 1.574.
8. **R. Senthil**, Effect of position of heat transfer fluid tube on melting of phase change material in cylindrical thermal energy storage, Energy Sources Part A: Recover, Utilization and Environ. effects (WoS, SCI, Taylor & Francis,). DOI: 10.1080/15567036.2019.1649751. Impact Factor =1.184.
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11. **R. Senthil**, M. Cheralathan, "Effect of non-uniform temperature distribution on surface absorption receiver in parabolic dish solar concentrator", Thermal Science, 21 (5), **2017**, pp. 2011-2019. DOI: 10.2298/TSCI150609169S, (SCIE indexed), Impact Factor: 1.574.
12. G. Vijayan, P.P. Shantharaman, **R. Senthil**, R. Karunakaran, Thermal Performance analysis of a low volume fraction Al2O3 and De-ionized Water Nanofluid on Solar Parabolic Trough Collector, Journal of Thermal Analysis and Calorimetry, Sep **2020**, SCI indexed, DOI: 10.1007/s10973-020-10313-w. IF=2.731.

13. **R. Senthil**, Arvind Chezian, Z.H.Ajmal Arsath, Heat Transfer Augmentation of Concentrated Solar Absorber Using Modified Surface Contour, International Journal of Engineering and Technology Innovation, Oct **2020**, SNIP=0.924, WoS.
14. **R. Senthil**, Enhancement of Engineering Education by Incorporating Active Learning Methodologies, J. Engineering Education Transformations, 34(1), 12-20, **2020**. (Scopus indexed).
15. **R. Senthil**, et al., Melting Behavior of Phase Change Material in a Solar Vertical Thermal Energy Storage with Variable Length Fins added on the Heat Transfer Tube Surfaces, Int J of Renewable Energy Development, 9 (3), 2020, 361-367. (ESCI, Scopus).