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### **List of Publications**

1. R Anish, V Mariappan, PS Hitha, BS Arun, 'Accelerated charging of PCM in a horizontal shell and multi-finned tube energy storage system', Materials Today: Proceedings, 2020.
2. P Sarafoji, V Mariappan, R Anish, K Karthikeyan, 'Performance study of solar photovoltaic cold storage system using phase change materials', Materials Today: Proceedings, 2020.
3. BS Arun, V Mariappan, 'Study of the Cooling Performance of a Mist-Type Regenerative Evaporative Cooler Under Different Feed Water Temperature', International Journal of Air-Conditioning and Refrigeration, Volume 28, No. 02, 2020.
4. BS Arun, V Mariappan, V Maisotsenko, 'Experimental study on combined low temperature regeneration of liquid desiccant and evaporative cooling by ultrasonic atomization', International Journal of Refrigeration, Volume 112, April 2020, Pages 100-109.
5. R Anish, V Mariappan, MM Joybari, AM Abdulateef, 'Performance comparison of the thermal behavior of xylitol and erythritol in a double spiral coil latent heat storage system', Thermal Science and Engineering Progress, Volume 15, 1 March 2020.
6. BS Arun, V Mariappan, 'Experimental study of an ultrasonic regenerative evaporative cooler for a desiccant cooling system', Building Services Engineering Research and Technology, March 2019, Volume 40, Issue 2, Pages 151-175.
7. R Anish, V Mariappan, S Suresh, 'Experimental investigation on melting and solidification behaviour of erythritol in a vertical double spiral coil thermal energy storage system', Sustainable Cities and Society, Volume 44, January 2019, Pages 253-264.

8. A Kathiravan, E Karthikeyan, V Mariappan, Chidambaram T Muthiah, 'Thermodynamic Analysis of Heat and Mass Transfer Enhancement for R134a-DMAC/CNT Vapour Absorption Refrigeration System', Applied Mechanics and Materials, 2014, Volume 592, Pages 1832-1836.
9. V Mariappan, M Udayakumar, Sah Md Fahim Anwar, 'Thermoeconomic Analysis of R134a-DMAC Vapour Absorption Refrigeration System', Applied Mechanics and Materials, 2014, Volume 592, Pages 1837-1841.