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[National Institute of Technology, Tiruchirappalli](#)**1. Publications in International journals:**<https://scholar.google.com/citations?user=WvwJAWUAAAAJ&hl=en&oi=ao>

INTERNATIONAL JOURNALS				
S.No.	Title of Paper	Author (s)	Name & Vol. Of Journal	Year & Page Nos.
1.	Sensitivity analysis of design parameters for erythritol melting in a horizontal shell and multi-finned tube system: Numerical investigation	R Anish, Mahmood Mastani Joybari, Saeid Seddegh, V Mariappan, Fariborz Haghighat, Yanping Yuan	Publication date 2021/1 Journal Renewable Energy Publisher Pergamon	2021 Volume 163 Pages 423-436
2.	Experimental investigation on the energy storage/discharge performance of xylitol in a compact spiral coil heat exchanger.	R Anish, V Mariappan, S Suresh, Mahmood Mastani Joybari, Ammar M Abdulateef	Publication date 2021/1 Journal International Journal of Thermal Sciences Publisher Elsevier Masson	2021 Volume 159 Pages 106633
3.	Performance study of solar photovoltaic cold storage system using phase change materials.	P Sarafoji, V Mariappan, R Anish, K Karthikeyan, Jayabharata Reddy	Publication date 2020/8/11 Journal Materials Today: Proceedings Publisher Elsevier	2020
4.	Study of the Cooling Performance of a Mist-Type Regenerative Evaporative Cooler Under Different Feed Water Temperature	BS Arun, V Mariappan	Publication date 2020/5/28 Journal International Journal of Air- Conditioning and Refrigeration Pages 2050011 Publisher World Scientific Publishing	2020 ISSN (print): 2010-1325 Volume 28, Issue 02 (June 2020)

INTERNATIONAL JOURNALS				
S.No.	Title of Paper	Author (s)	Name & Vol. Of Journal	Year & Page Nos.
			Company	
5.	Performance comparison of the thermal behavior of xylitol and erythritol in a double spiral coil latent heat storage system	R Anish, V Mariappan, Mahmood Mastani Joybari, Ammar M Abdulateef	Publication date 2020/3/1 Journal Thermal Science and Engineering Progress Publisher Elsevier	2020 Volume 15 Pages 100441
6.	Experimental study on combined low temperature regeneration of liquid desiccant and evaporative cooling by ultrasonic atomization	BS Arun, V Mariappan, Valeriy Maisotsenko	Publication date 2020/4/1 Journal International Journal of Refrigeration. Publisher Elsevier	2020 Volume 112 Pages 100-109
7.	Experimental investigation on melting and solidification behaviour of erythritol in a vertical double spiral coil thermal energy storage system	R Anish, V Mariappan, S Suresh	Publication date 2019/1/1 Journal Sustainable Cities and Society Publisher Elsevier	2019 Volume 44 Pages 253-264
8.	Experimental investigation on the melting and solidification behavior of erythritol in a horizontal shell and multi-finned tube latent heat storage unit	R Anish, V Mariappan, Mahmood Mastani Joybari	Publication date 2019/10/1 Journal Applied Thermal Engineering	2019 Volume 161 Pages 114194 Publisher Pergamon