

# **GOVT. POLYTECHNIC, SECTOR-26, PANCHKULA**

## **List of Publications**

VIKAS (Lecturer, Mechanical Engineering)

[Vikas - Google Scholar](#)

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<https://www.researchgate.net/profile/Vikas-Chauhan-9>

S.NO.	RESEARCH PAPER TITLE	PUBLICATION TYPE	YEAR
1	<b>Effect of multi-tubes and eccentricity on melting performance of honeybee wax thermal energy storage system: A comprehensive numerical study and experimental validation</b> <a href="https://doi.org/10.1002/est2.670">https://doi.org/10.1002/est2.670</a>	Book Chapter	2024
2	<b>Performance assessment of multi-tube inline and staggered array based latent heat storage system</b> <a href="https://doi.org/10.1016/j.est.2023.107770">https://doi.org/10.1016/j.est.2023.107770</a>	International Journal (SCI)	2023
3	<b>Experimental Investigation of Photovoltaic Panel Cooling by Uniformly Flowing Water on the Top Surface for Efficiency Improvement</b> <a href="https://doi.org/10.1007/978-981-99-7213-5_28">https://doi.org/10.1007/978-981-99-7213-5_28</a>	Book Chapter	2022
4	<b>A comprehensive study on melting enhancement by changing tube arrangement in a multi-tube latent heat thermal energy storage system</b> <a href="https://doi.org/10.1016/j.est.2022.105517">https://doi.org/10.1016/j.est.2022.105517</a>	International Journal (SCI)	2022
5	<b>Melting dynamics analysis of a multi-tube latent heat thermal energy storage system: Numerical study</b> <a href="https://doi.org/10.1016/j.applthermaleng.2022.118803">https://doi.org/10.1016/j.applthermaleng.2022.118803</a>	International Journal (SCI)	2022
6	<b>Phase change materials for comfort management of poultry farms-A review</b> <a href="https://doi.org/10.1016/j.matpr.2021.09.152">https://doi.org/10.1016/j.matpr.2021.09.152</a>	Scopus	2022
7	<b>Ranking of Phase Change Materials for Medium Temperature Thermal Energy Accumulation System Using Shannon Entropy, TOPSIS, and VIKOR Methods</b> <a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781003125150-3-3/">https://www.taylorfrancis.com/chapters/edit/10.1201/9781003125150-3-3/</a>	Book Chapter	2021
8	<b>The Southwest Monsoon During COVID-19 Pandemic: A Potential Concern</b> <a href="https://doi.org/10.1177/1010539520944729">https://doi.org/10.1177/1010539520944729</a>	International Journal (ESCI)	2020
9	<b>Simulation of melting process of a phase change material (PCM) using ANSYS (Fluent)</b> <a href="#">IRJET-V4I5807.pdf</a>	UGC	2017

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**JITENDER (Lecturer, Mechanical Engineering)**

<b>S.NO.</b>	<b>RESEARCH PAPER TITLE</b>	<b>PUBLICATION TYPE</b>	<b>YEAR</b>
<b>1</b>	Optimization of dissimilar friction stir welding process parameters of AA5083 and AA6061 using taguchi approach.	Conference Paper	2024
<b>2</b>	Effect of process parameters on hardness & tensile strength in FSW of AA5083 and AA6061	Conference Paper	2023