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Brief Bio-Data of the Author

Mr. **Akshayveer** is a Ph.D candidate in the Department of Mechanical Engineering at IIT (BHU) Varanasi. He has completed B.Tech in the Mechanical Engineering from IMS Engineering College (IMSEC) Ghaziabad, Uttar Pradesh Technical University, Lucknow and M.Tech degree in Mechanical Engineering from MNNIT Prayagraj. His current areas of research are solar Photovoltaic-thermal systems, heat transfer and fluid flow, modelling and simulation (CFD analysis), thermal energy storage.

LIST OF PUBLICATIONS

Refereed Journal Papers

1. **Akshayveer**, A.Kumar, A.P. Singh, O.P.Singh. Effect of Novel PCM Encapsulation Designs on Electrical and thermal Performance of a Hybrid Photovoltaic Solar Panel. **Solar Energy** 205 (2020), 320-333 (IF-5.742).
2. **Akshayveer**, Amit Kumar, Ajeet Pratap Singh, R. Sreeram Kotha, O.P Singh. Thermal energy storage design of a new bifacial PV/PCM system for enhanced thermo-electric performance. **Energy Conversion and Management** 250 (2021), 114912 (IF- 9.709).
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Journal Papers under Review

1. A. Kumar, A.P. Singh, **Akshayveer**, O.P.Singh. Effect of channel designs and its optimization for enhanced thermo-hydraulic performance of solar air heater. *Journal of solar energy engineering* (Accepted) (IF-2.384).

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1. **Akshayveer**, Amit Kumar, Ajeet Pratap Singh, O.P. Singh. Effect of new extended type non-rectangular PCM enclosure designs on thermo-electric performance of a PV/PCM systems. **Renewable Energy, 2022.**
2. **Akshayveer**, Amit Kumar, Ajeet Pratap Singh, O.P. Singh. Behaviour of novel design of non-rectangular PCM enclosure for PV/PCM systems under variable boundary and ambient conditions. **Applied Energy, 2022.**

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1. **Akshayveer**, A.P. Singh, A.Kumar, O.P.Singh. Effect of energy storage design of PCM enclosure on PV/T module. **ISHMT-ASTFE, Heat and Mass Transfer Conference (IHMTTC-2019)**, December 28-31, 2019, IIT Roorkee, India.
2. **Akshayveer**, A.P. Singh, A.Kumar, O.P.Singh. Effect of natural convection air-flow channel on the electrical and thermal performance of photo-voltaic thermal system integrated with phase change materials (PV-T/PCM) systems. **International Conference on Solar Energy Photovoltaics (ICSEP-2019)**, December 19-21, 2019, KIIT Bhubaneswar, India.
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