

## **Panel Member's 5 year Publication details - PRDC**

### **Members from other University / Institutions**

#### **Member 5**

**Dr. T.Venugopal**

**Associate Professor**

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1. **Venugopal T.**, and A. Ramesh. "Experimental studies on the effect of injection timing in a SI engine using dual injection of n-butanol and gasoline in the intake port." *Fuel* 115 (2014): 295-305.
2. Yashwanth, M. Sai, **T. Venugopal**, and A. Ramesh. "Experimental and Simulation Studies to Determine the Effective Octane Number in an Engine Fuelled with Ethanol and Gasoline." *International Journal of Automotive & Mechanical Engineering* 10 (2014).
3. **Thangavel Venugopal**, et al. "Experimental studies on simultaneous injection of ethanol–gasoline and n-butanol–gasoline in the intake port of a four stroke SI engine." *Renewable Energy* 91 (2016): 347-360.
4. Sankaralingam, Ram Kishore, and **T. Venugopal**. "Current trends on combustion control methods using fuel reactivities." *International Journal of Automotive & Mechanical Engineering* 13.3 (2016).
5. Kishore Sankaralingam, Ram, **Venugopal Thangavel**, and Saleel Ismail. *A Simple and Cost Effective Electronic Fuel Injection for Reactivity Controlled Compression Ignition (RCCI) Engines*. No. 2017-28-1940. SAE Technical Paper, 2017.

6. Gobinath, N., **T. Venugopal**, Karthikeyan Palani, and Anand A. Samuel. "Numerical modelling of thermophoresis in water-alumina nanofluid under pool boiling conditions." *International Journal of Thermal Sciences* 129 (2018): 1-13.
7. Ram Kishore Sankaralingam , Ferroskhan , Saleel Ismail and **Venugopal T** "Experimental Studies on Premixed Charge Compression Ignition (Pcci) Engine Using Port Injection of Heated Diesel" *Journal of Engineering Science and Technology* Vol. 13, No. 11 (2018) 3457 – 3472.
8. N. Gobinath and **T. Venugopal** "Nucleate pool boiling heat transfer characteristics of R600a with CuO nanoparticles" N Gobinath, T Venugopal - *Journal of Mechanical Science and Technology* volume 33, pages465–473(2019).
9. **T Venugopal** and R Anubhav "A New Approach for Development of a High-Performance Intake Manifold for a Single-Cylinder Engine Used in Formula SAE Application" *SAE International Journal of Engines*(Vol. 12, Issue 4), 2019.
10. A Abi Mathew and **V Thangavel** "Investigation on indirect natural convection solar drying of anti-diabetic medicinal products" *Journal of Food Processing and Preservation* , Volume43, Issue11, November 2019.
11. R Pradeep and **T Venugopal** "Experimental study of lithium-ion battery cooling using mixture of phase change materials" *International Journal of Electric and Hybrid Vehicles*, Volume 12, Issue 2, 2020.
12. Pradeep R and **Venugopal T** "Investigations on melting and solidification of a battery cooling system using different phase change materials" *THERMAL SCIENCE* First Issue 00, Pages: 220-220 ,2020.
13. Balaji Subramanian and **Venugopal Thangavel** "Analysis of onsite HHO gas generation system" *International Journal of Hydrogen Energy* Volume 45, Issue 28, 21 May 2020, Pages 14218-14231.

14. Balaji Subramanian and **Venugopal Thangavel** “Experimental investigations on performance, emission and combustion characteristics of Diesel-Hydrogen and Diesel-HHO gas in a Dual fuel CI engine” International Journal of Hydrogen Energy Volume 45, Issue 46, 21 September 2020, Pages 25479-25492.
15. **Thangavel Venugopal**, Manshu Gupta, Prateek Arora, R Narayanan “Graphene Oxide Coated on Copper-Based Exhaust Gas Recirculation Cooler for Future Automotive Engines” SAE Technical Paper, Issue 2020-01-5095,2020.