

**Name** : Dr. T.Srinivasa Rao  
**Designation** : Professor  
**Department** : Mechanical Engineering  
**Institution** : Vasireddy Venkatadri Institute of Technology, Nambur,  
Guntur(Dt), Andhra Pradesh - 522508  
**Qualification** : Ph.D.  
**Email ID** : [sr.tanneeru@gmail.com](mailto:sr.tanneeru@gmail.com)  
**Mobile number** : 91- 9866515229  
**Area of Interest** : High speed co-flow Jets

**List of publications (last five years):**

1. **T.Srinivasarao** et al. “Energetic and Exergetic performances of a parabolic solar trough collector working with TiO<sub>2</sub> & Al<sub>2</sub>O<sub>3</sub> nanofluids for variable temperature applications” International Journal of Ambient Energy (**a SCI Journal**), **Transactions of Tayler & Francis** , Revised manuscript submitted on 1<sup>st</sup> , August,2020 with Manuscript ID TAEN-2020-0498.R1
2. **T.Srinivasarao** et al. “Experimental Investigation on Performance of Vapour Compression Refrigeration System with Integrated Sub-Cooling” TEST Engineering and Management (**Scopus indexed**), ISSN: 0193-4120, Volume 83, pp: 5104-5111 , Publication Issue: July - August 2020
3. **T.Srinivasarao** et al. “Enhancement of Efficacy and Heat Transfer Characteristics of TiO<sub>2</sub> Nano Fluids under Turbulent Flow Conditions in Parabolic Trough Solar Collector” International Journal of Mechanical Engineering and Technology (IJMET), (**Scopus indexed**), ISSN- 0976-6340, Volume 11, Issue 3, pp 68-79, March,2020.
4. **T.Srinivasarao** et al. “Experimental assessment of various fuel additives on the performance and emission characteristics of the spark ignition engine” International Journal of Ambient Energy (**a SCI Journal**), **Transactions of Tayler & Francis** (**online published on 06,Dec,2019**)
5. **T.Srinivasarao** et al. “Fabrication and Experimental Analysis of Absorber Based LiBr – Water Absorption Refrigeration System” International Journal of Engineering and Advanced Technology (IJEAT) (**Scopus indexed**), ISSN- 2249 – 8958, Volume 8, Issue 6, pp 4094, August 2019.
6. **T.Srinivasarao** et al. “Enhancement of COP of Vapour Compression Refrigeration System by using Diffusers” International Journal of Recent

Technology and Engineering (IJRTE) (**Scopus indexed**), ISSN- 2277-3878, Volume 8, Issue 2, pp 6123, July 2019.

7. **T.Srinivasarao** et al. “An Experimental Study on Drag Reduction over an Airfoil” Journal of Emerging Technologies and Innovative Research (**An UGC Approved**), ISSN-2349-5162, Volume 6, Issue 5, pp 0600206, May 2019.
8. **T.Srinivasa Rao** et al. “Refrigeration System Performance by Inserting Twisted Strip in Condenser along with Liquid Suction Heat Exchanger” International Journal of Engineering and Advanced Technology (IJEAT, **Scopus Indexed**) ISSN: 2249 – 8958, Volume-8, Issue-2C2, pp 59-62, December, 2018.
9. **T.Srinivasarao** et al. “Effect of Inner Nozzle Lip Thickness on Co-flow Jet Characteristics” International Journal of Turbo and Jet Engines, **DE GRUYTER(a SCI Journal)**, Vol.34 , Issue 3 , pp.287-293, August, 2017, **Impact Factor 0.328 ( Published after Ph.D awarded)**
10. **T.Srinivasarao** et al. “Characteristics of underexpanded co-flow jets”, Applied Mechanics and Materials, *Trans Tech Publications, Switzerland*, Vol. 575, pp. 507-511, 2014
11. **T.Srinivasarao** et al. “Characteristics of co-flow jets from orifices” International Journal of Turbo and Jet Engines, **DE GRUYTER(a SCI Journal)**, Vol. 31, Issue 2, pp.141-148, June 2014, **Impact Factor 0.261**