

Name of the DC Member : Dr.T.Velmurugan,
 Designation : Assistant Professor(Senior Grade)
 Department :Mechanical Engineering
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List of Publications

1. Madhankumar A, **Velmurugan.T**, Pradharaj M, Aarthi S, (2018) “Thermo Mechanical Behavior of Glass-Kevlar/Epoxy Hybrid Laminates –An Experimental and Theoretical Approach” Journal of Materials today: Proceedings, Published by **Elsevier**.
2. **T.Velmurugan**, 2017,” Aerodynamic Design And Optimization Of Wind Turbine Rotor Blade For Different Wind Speed “Journal of Advances in Natural and Applied Sciences, Published by AENSI Publications, PP 389-401. ISSN:1995-0772.
3. **Velmurugan, T** & Parammasivam, KM 2016, “A CFD Analysis of Controlled Flutter Phenomenon”, **Thermal Science**, vol.20, Suppl.4, pp. S955-S965
4. **Velmurugan, T** & Parammasivam, KM 2016, “Investigation on the Design Parameters of an Aero-elastic Wind Energy Generator”, Journal of the Balkan Tribological Association, vol. 22, no. 1A-II, pp. 844–860.
5. **T.Velmurugan**, M.Ranjithkumar, K.M.Parammasivam, (2015), “Performance and Emission Evaluation of a VCR Diesel Engine using Algae Methyl Ester” International Journal of Applied Engineering Research, Vol.10, No.76 Published by Research India Publications
6. **T.Velmurugan**, P.Livankumar, (2015), “Reduction of Harmful Emissions From C.I. Engine Fueled By Biodiesel Using Nano Material Coated Catalytic Converter” Journal of Chemical and Pharmaceuticals Sciences, pp.226-228, ISSN:0974-2115.

Published in International/National Conference Proceedings as Papers:

7. Velmurugan, T & Parammasivam, KM 2015, “A CFD/CSD Analysis of Controlled Flutter Phenomenon”, International Conference on Advances in Mechanical Engineering, pp.1028-1036.
8. **T.Velmurugan** et al “Design and Analysis of Connecting rod using Al-Mg-SiC composition” Second International Conference on Recent Advancement In Mechanical Engineering and Technology(ICRAMET’16), Organized by Aarupadai Veedu Institute of Technology, Chennai on 28&29th April 2016.
9. **T.Velmurugan** et al “Design, Analysis and Parametric Optimization of Aluminum Piston Alloys Using Simulation” Second International Conference on Recent Advancement in Mechanical Engineering and Technology(ICRAMET’16), Organized by Aarupadai Veedu institute of Technology, Chennai on 28&29th April 2016.
10. **T.Velmurugan** et al “Modeling and Analysis of a Cranks Shaft in a Single Cylinder Four Stroke Petrol Engine” Second International Conference on Recent Advancement in Mechanical Engineering and Technology(ICRAMET’16), organized by Aarupadai Veedu Institute of Technology, Chennai on 28&29th April 2016.

11. **T.Velmurugan** et al “Performance and Emission Evaluation of A VCR Diesel Engine Using Algae Methyl Ester” International conference on trends in engineering and technology,science and humanities,Management2015,Organized by Tamizhan college of Engineering and Technology on 19&20thFebruary 2015.
12. **T.Velmurugan** et al “Design and Analysis of Various Materials of Piston by using ANSYS software” Second National Conference on Materials Science and its Future Prospects(NCMSFP-2017).
13. **T.Velmurugan** et al “Heat rejection and Exhaust Emission Reduction of Spark Ignited Free Piston Engine” Third International Conference on Innovative Design, Analysis & Development Practices in Aerospace and Automotive Engineering organized by Vel Tech Deemed University on 22-24 February 2018.
14. **T. Velmurugan** et al “Performance and emission characteristics of Lemon Peel Oil Methyl Ester and it Blends in a DI Diesel Engine” International Conference on Automobile, Marine & Mechanical Engineering(ICAMME-2018) organized by Sri Venkateswara College of Engineering, Sriperumbudur-602117 on 4th and 5 May2018.