

Name of the DC Member : Dr.K.Velmurugan
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 Department : Mechanical Engineering
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LIST OF PUBLICATIONS

1. E.Manikandan, P.Shribalaji, A.Jeevan, Dr. K.Velmurugan,“Heat Transfer Analysis In Serpentine Shaped Micro Tube by Using Carbon Nano Fluid”International Journal of Advanced Research in Mechanical Engineering and Technology (IJARMET), April-June, 2019. Vol., Issue-2, ISSN NO: 2454-736. Pp 7-11.
2. A. Thiagarajan, K. Jagadish Chandra Bose, K. Velmurugan, V. S. K. Venkatachalapathy“Study on Tensile Strength of GFRP Nanocomposites by VARTM”Advances in Manufacturing Technology , 18 April 2019, pp 351-360.
3. R.Manikandan, K. Velmurugan, K.Navanitha Krishnan, Karthikeyan Natesan “Design And Fabrication Of Spring Stiffness Testing Machine” International Journal of Research, March 27 & 28, 2019.ISSN NO:2236-6124
4. K.Navanitha Krishnan, K. Velmurugan, R.Manikandan, Karthikeyan Natesan “Design and Fabrication of Automatic Mano and Metate Machine”International Journal of Research, March 27 & 28, 2019.ISSN NO:2236-6124
5. S.Arul Pradeep, K. Velmurugan,R.Rajasekaran, Karthikeyan Natesan “Design and fabrication of Oil Spill Eradicator”International Journal of Research, March 27 & 28, 2019.
6. S.Sharavanan, E.Manikandan, Dr.K.Velmurugan“Straight Blade Wind Turbine”International Journal of Research, March 27 & 28, 2019.
7. E.Manikandan, R.Selladurai, B.Krishnakaant, Dr.K. Velmurugan, Dr.V.S.K. Venkatachalapathy “Heat Transfer Analysis In Serpentine Micro Channel Using Al₂O₃ Nano Fluid”International Journal of Research,March 27 & 28, 2019.
8. Dr.V.S.K. Venkatachalapathy , Dr.K. Velmurugan ,A.Thiagarajan, “Diagnosing Railway Wheel Conditions With The Aid Of Ai-Techniques”International Journal of Mechanical Engineering and Technology (IJMET), 2018.
9. R. Manikandan, K. Velmurugan,K.Navanitha Krishnan “Design and Fabrication of Automatic Corrugated Partition Box Assembler” International Journal Of Innovative Research Explorer 5 (3), ISSN: 2347-6060, Vol.5, March 2018, pp.81-86

10. K.Navanitha Krishnan , K. Velmurugan, R. Manikandan “Design and Fabrication of Organic Fertilizer Spraying Machine” International Journal Of Innovative Research Explorer, ISSN: 2347-6060, Vol.5, March 2018, pp.75-80
11. B.Aravinth, P. Janagarathinam, Dr.Subramanian, Dr. K.Velmurugan“A literature survey on Mechanical properties in Aluminum Matrix Reinforced Composites” International Journal Of Innovative Research Explorer, ISSN: 2347-6060, Vol.5, March 2018, pp.87-91.
12. G.G.Sozhamannan, K.Naveenkumar, A.Mathiarasu, K.Velmurugan, V.S.K.Venkatachalapathy“Machining characteristics of Al/Ticp/Gr hybrid composites”Materials Today: Proceedings Vol. 5 issue 2, Part 1, 2018, pp. 5940-5946.
13. G.G. Sozhamannan, MM Yusuf, G Aravind, G Kumaresan, K Velmurugan,“Effect Of Applied Load On The Wear Performance Of 6061 Al/Nano Ticp/ Gr Hybrid Composites” Materials Today: Proceedings 5 (2), 2018, pp.6489-6496
14. A.Thiagarajan, M.Anbarasan, E.Deenadhayalan, P.Senthilkumaran, B.Sivaprakash, K.Velmurugan, V.S.K.Venkatachalapathy. “Effect of Tio2 on Polymer Fiber/Foam Reinforced Nano Composites”, International Journal on Advanced Research Methodology in Engineering &Technology, Vol.03, 2017, pp.6-8.
15. A.Thiagarajan, E.Melvin Joe, S.Sugandhan, N.Sundaravaradan, L.Sundaravelu, K.Velmurugan, V.S.K.Venkatachalapathy“Investigation on tensile strength of silicon carbide epoxy polymer nanocomposite”. International Journal on Advanced Research Methodology in Engineering&Technology, Vol.03, 2017, pp.17-19.
16. A.Thiagarajan, G.Padmapriyaa, R.Raveena, K.Velmurugan, V.S.K.Venkatachalapathy “Investigation of surface roughness on fiber reinforced composite using abrasive water jet machining”, International Journal on Advanced Research Methodology in Engineering &Technology, Vol.03, 2017, pp.25-28.
17. Thiagarajan, P.Loganathan, B.Aravinth, K.Velumurugan, V.S.K. Venkatachalapathy “Impact Characterization of fiber/foam reinforced polymer nanocomposites”, International journal for research in applied science & Engineering technology, Vol.4, 2016, pp.107-113.
18. P. Madavan, A. Thiagarajan, B. Parisithu, K. Velmurugan,K. Kiruba Raj, “Influence of granite powder and polymer based admixture on compressive behavior of M40 grade concrete”, International Journal of Science and Innovative Engineering & Technology, ISBN 978-81-904760-8-9, Vol.01, 2016, pp.1-6.
19. G.G.Sozhamannan,M.Mutharasan,M.Sivaselvam,K.Velumurugan,V.S.K.Venkatachalapathy "Comparative study of 6061 Alumnium alloy and aluminium with nano SiC p

- composites by powder metallurgy method” ,Journal of Material Science and Mechanical Engineering,(2015), 2,57-60.
20. G.G.Sozhamannan,K.Kaviarasan,K.Velumurugan,V.S.K.Venkatachalapathy,“Characterization of hybrid (Al/SiC/TiC) nano composites by powder metallurgy method”,Journal of Material Science and Mechanical Engineering,(2015), 2,54-56.
 21. E.Manikandan,P.Balaji,I.MadhanRam,G.G.Sozhamannan,K.Velmurugan,V.S.K.Venkatachalapathy,“Tribological behaviour of aluminium magnesium oxide composites”, Journal of Materials Science and Mechanical Engineering,(2015),2,61-65
 22. A.Thiayarajan,R.Vigneswrran,G.G.Sozhamannan,K.Velmurugan,V.S.K.Venkatachala pathy, “Wear behaviour of carbon / glass fiber vinylester SiC nano composites”, Journal of Materials Science and Mechanical Engineering,(2015),2,66-69.
 23. Thiagarajan, K. Palaniradja, K.Velumurugan.“Effect of interfacial bonding on impact properties of chopped glass fiber polymer nanocomposites”, Composite Interfaces, Vol.22, 2015, pp.265- 280.
 24. K.M.Venkatraman, A. Thiagarajan, K. Velmurugan, V.S.K. Venkatachalapathy. “Synthesis and Characterization of Epoxy/TiO₂ Nanocomposites”, International Journal of Applied Engineering Research, Vol.10, 2015, pp. 2433-2435.