

Dr.K.R. VIJAYAKUMAR

LIST OF PUBLICATIONS

International Journal

1. K. R. Vijayakumar, “Analysis of Particle Damping Characteristics on Steel Vertical Machining Centre Column with Epoxy Reinforced Granite” Journal of Engineering Research in Africa, (2020) Vol. 50, pp.94-102.
2. K.R Vijayakumar, “Optimization of Active Vibration Control Using Artificial Neural Network” International Journal of Advanced Science and Technology, Vol. 29, No. 05, (2020), pp. 10365-10371.
3. K.R. Vijayakumar, “Fabrication of Coconut Raw Leaf Epoxy Composite for Sustainable Hut Roofs” International Journal of Mechanical and Production Engineering Research and Development, (2020) Vol. 10, No. 03, (2020), pp. 259–268.
4. K.R. Vijayakumar, “Investigation on aluminium/mild steel plates bonded polyurethane sheets to control vibration” Materials Today, (2020)
<https://doi.org/10.1016/j.matpr.2020.08.285>
5. **K.R Vijayakumar**, “A study on sliding wear behavior of carbon fiber reinforced IPN composites”, Materials Today. (2020) <https://doi.org/10.1016/j.matpr.2020.05.124>.
6. K.R Vijayakumar, “Experimental analysis on mechanical properties of banana fibre/epoxy (particulate) reinforced composite” Materials Today. (2020),
<https://doi.org/10.1016/j.matpr.2020.05.103>.
7. G. Boopathy, **K.R Vijayakumar** and M. Chinnapandian, “Experimental Characterization Of Fibre Metal Laminates For Tensile And Impact Properties With Finite Element Modelling Approach” Caribbean Journal of Science, Vol. 53, No. 2, pp 534-542, 2019.
8. Senthilkumar Ramakrishnan, **K.R Vijayakumar** and Naveen Chandran, “Design For Customer Satisfaction – A Proactive Approach To Input Customer Expectations In Design Phase” International Journal of Mechanical Engineering and Technology, Vol. 10, No. 1, pp 534-542, 2019.
9. K.R Vijayakumar “Investigations on the performance characteristics of carbon nanotubes, alumina and titanium dioxide-based plasma sprayed coatings on AISI 1020 steel” RASAYAN Journal of Chem, Vol. 10 | No. 2 | 652 - 664 | April - June | 2017
10. G. Boopathy, **K.R Vijayakumar** and M. Chinnapandian, “Fabrication and fatigue analysis of laminated composite plates” International Journal of Mechanical Engineering and Technology, Vol. 8, No. 7, pp 388-396, 2017.

11. W Andrew Nallayan, **K.R Vijayakumar** and Usama Tariq Rasheed, “Comparison of the Effect of Curing on the Properties of E-Glass/Cyanate modified Epoxy Cross Plieed Laminates” IOP Conference Series: Materials Science and Engineering, Vol. 197, No. 1, pp 1-13, 2017.
12. S.A. Abdul Sukkur, P. Palanisamy, **K.R. Vijayakumar**. “Experimental investigations and finite element analysis of composite sandwich structures with honeycomb core – Evaluation for strength and quality” Carbon – Science and Technology, , Vol. 8, No. 1, pp 63-73, 2016.
13. Augustin.T, **K.R Vijayakumar**. “Displacement Ventilation System for an Auditorium”, International Journal for Research in Applied Science & EngineeringTechnology, Vol. 4, No. V, pp 96- 101, 2016.
14. Ayaskant Harichandan, **K.R Vijayakumar**. “Study On Tensile Behaviour Of Carbon Jute Aluminiumfibre Metal Laminates”, International Journal of Mechanical And Production Engineering, Vol. 4, No. 7, pp 96- 101, 2016.
15. A.Radha, **K.R Vijayakumar**, et al., " An investigation of mechanical and wear properties of AA6061 reinforced with silicon carbide and graphene nano particles- Particulate composites, Materials Today, Vol. 3 pp 2247-2253, 2016.
16. F. Fredrick Gnanaraj and **K. R. Vijaya kumar**. “Analysis of Active Vibration Control in Smart Structures”, International Journal of Applied Engineering Research, ISSN 0973-4562 I J C T A, Vol. 9, No. 2, pp. 257-269, 2016.
17. J. Jayaseelan, P. Palanisamy and **K. R. Vijaya kumar**. “Effect of Graphene filler content on mechanical strength and hardness for goat hair fibre reinforced epoxy composites”, International Journal of Vehicle Structures and Systems, Vol. 7, No. 4, pp. 165-168, 2015.
18. J. Jayaseelan, P. Palanisamy and **K. R. Vijaya kumar**. “Study on mechanical properties of hair based Fibre Composite”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10, No. 68, pp. 689-692, 2015.
19. W.Andrew Nallayanand **K. R. Vijayakumar**. “Comparing the mechanical properties of cyanate modified epoxy/ e glass (unidirectional/ bidirectional/ random oriented) laminates”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10, No. 57, pp. 232-238, 2015.

20. A.Radha,.**K.R Vijayakumar**, et al.," An investigation of Mechanical Properties on Aluminium 6061 Reinforced with Silicon Carbide-Metal Matrix Composites, Applied Mechanics and Materials Vol. 787 pp 568-572, 2015.
21. A.Radha,.**K.R Vijayakumar**, et al.," An investigation of mechanical properties on Aluminum 6063 reinforced with Silicon carbide and graphene nano particle by stir casting Technique -Metal Matrix Hybrid Composites, IJAER, ISSN 0973-4562 Vol. 10 No. 57, 2015.