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List of Publications: (2016 – 2020)

- 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.
- 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.
- 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.
- 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>
- **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>.
- 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>.

- 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.
- “ Design For Customer Satisfaction – A Proactive Approach To Input Customer Expectations In Design Phase” Senthilkumar Ramakrishnan, **K.R Vijayakumar** and Naveen ChandranInternational Journal of Mechanical Engineering and Technology, Vol. 10, No. 1, pp 534-542, 2019.
- Development and experimental characterization of fibre metal laminates to predict the fatigue life Boopathy, G., Vijayakumar, K.R., Chinnapandian, M., Gurusami, K. International Journal of Innovative Technology and Exploring Engineering, 2019, 8(10), pp. 2815-2819
- Comparing the influence of glass and silica fillers on the critical mechanical properties of E-glass cyanate modified epoxy laminate Andrew Nallayan, W., Vijayakumar, K.R. International Journal of Mechanical and Production Engineering Research and Development, 2019, 9(4), pp. 39-48, IJMPERDAUG20194
- The effect of fibre loading and graphene on the mechanical properties of goat hair fibre epoxy composite Jayaseelan, J., Vijayakumar, K.R., Ethiraj, N., Sivabalan, T., Andrew Nallayan, W. IOP Conference Series: Materials Science and Engineering, 2017, 282(1), 012018
- Fabrication and fatigue analysis of laminated composite plates Boopathy, G., Vijayakumar, K.R., Chinnapandian, M. International Journal of Mechanical Engineering and Technology, 2017, 8(7), pp. 388-396

- Comparison of the Effect of Curing on the Properties of E-Glass/Cyanate modified Epoxy Cross Plieed Laminates Andrew Nallayan, W., Vijayakumar, K.R., Rasheed, U.T. IOP Conference Series: Materials Science and Engineering, 2017, 197(1), 012002
- Performance evaluation of different brands of rice mills Narasimhan, R., Vijayakumar, K.R., Arulprakasajothi, M., Senthil, P.V. Journal of the Balkan Tribological Association, 2017, 23(2), pp. 343-352
- A study of tribological thermal analysis of rice polishing machine Narasimhan, R., Vijayakumar, K.R. Indian Journal of Science and Technology, 2016, 9(41), 100894
- Analysis of active vibration control in smart structures Fredrick Gnanaraj, F., Vijayakumar, K.R. International Journal of Control Theory and Applications, 2016, 9(2), pp. 625-637
- An investigation of mechanical and wear properties of AA6061 reinforced with silicon carbide and graphene nano particles-Particulate composites Radha, A., Vijayakumar, K.R. Materials Today: Proceedings, 2016, 3(6), pp. 2247-2253
- Experimental investigations and finite element analysis of composite sandwich structures with honeycomb core - Evaluation for strength and quality Abdul Sukkur, S.A., Palanisamy, P., Vijayakumar, K.R. Carbon - Science and Technology, 2016, 8(1), pp. 63-73