

List of Journal Publication

1. S. Ramachandran, N. Kumar, M. V. Timmaraju Thermodynamic Analysis of Solar Low-Temperature Differential Stirling Engine Considering Imperfect Regeneration and Thermal Losses, *Journal of Solar Energy Engineering*, 142 (5), 2020. (Impact Factor: 1.19).
2. P. Anandakumar, M. V. Timmaraju and R. Velmurugan, Influence of graphene on tensile and indentation behavior of polyamide 66 nanocomposites, 2nd Indo Japan Bilateral Symposium on Futuristic Materials and Manufacturing for Next Generation Electric Vehicles and High Speed Railway (IJBSFMM-20), IIT Madras, 2020.
3. P. Parthiban, M. V. Timmaraju, and K. C. Sriya, Effect of preheating on the performance of over-molded short/continuous fiber reinforced polypropylene composite, 2nd Indo Japan Bilateral Symposium on Futuristic Materials and Manufacturing for Next Generation Electric Vehicles and High-Speed Railway (IJBSFMM-20), IIT Madras, 2020.
4. M. V. Timmaraju, R. Gnanamoorthy and K. Kannan, Monotonic and cyclic behavior of polyamide 66/hectorite nanocomposites in marine environment, *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, 233 (10), 2019, 2175-2186 (Impact Factor: 1.281).
5. M. V. Timmaraju, R. Gnanamoorthy, K. Kannan and G. Sriharsha, Experimental and numerical prediction of effect of frequency on bending fatigue performance of polyamide 66/hectorite nanocomposite, *Plastics, Rubber and Composites*, 47 (6), 2018, 282-295 (Impact Factor: 0.848).
6. M. V. Timmaraju, R. Gnanamoorthy and K. Kannan, Effect of initial imbibed moisture content on flexural fatigue behavior of polyamide 66/hectorite nanocomposites at laboratory condition, *Materials Science and Engineering: A*, 528 (6), 2011, 2960-2966 (Impact Factor: 3.414).
7. M. V. Timmaraju, R. Gnanamoorthy and K. Kannan, Influence of imbibed moisture and organoclay on tensile and indentation behavior of polyamide 66/hectorite nanocomposites, *Composites Part B: Engineering*, 42 (3), 2011, 466-472 (Impact Factor: 4.92).
8. M. V. Timmaraju, R. Gnanamoorthy and K. Kannan, Effect of environment on flexural fatigue behavior of polyamide 66/hectorite nanocomposites, *International Journal of Fatigue*, 33 (4), 2011, 541-548 (Impact Factor: 3.132).
9. M. V. Timmaraju, R. Gnanamoorthy and K. Kannan, Influence of organoclay on flexural fatigue behavior of polyamide 66/hectorite nanocomposites at laboratory condition, *Polymer Composites*, 31 (11), 2010, 1977-1986 (Impact Factor: 1.943).
10. K. Sivakumar, M. V. Timmaraju and R. Gnanamoorthy, Numerical study of contact behavior of roller chain drive, *International Conference on Mechanical Power Transmission (ICMPT-2019)*, IIT Madras, 2019.
11. K. Sivakumar, M. V. Timmaraju and R. Gnanamoorthy, Design and development of continuous fiber thermoplastic sprocket for tracked vehicles and machines, Indo-Japan Bilateral Symposium on Futuristic Materials and Manufacturing (IJBSFMM-2018), IIT Madras, 2018.
12. G. Venkatesh and M. V. Timmaraju, Low velocity impact behavior of high performance thermoplastic composites, Indo-Japan Bilateral Symposium on Futuristic Materials and Manufacturing (IJBSFMM-2018), IIT Madras, 2018.
13. P. Krishna Murthy, K. G. Durga Prasad and M. V. Timmaraju, Experimental investigation on tensile and stress relaxation behavior of polyamide 6/montmorillonite composite, *International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems (CDAMIES-2018)*, NIT Tiruchirapally, 2018.
14. D. Panda and M. V. Timmaraju, Study of thermal behavior of brake disc materials, *Sixth International Congress on Computational Mechanics and Simulation (ICCMS-2016)*, IIT Bombay, 2016.