

DEPARTMENT OF MECHANICAL ENGINEERING

STAFF PUBLICATIONS

2015 - 16

1. R.Prakash, R.K.Singh and S. Murugan, Effect of wood pyrolysis oil addition in the Jatropha methyl ester fueled direct injection diesel engine, International Journal of Oil, Gas and Coal Technology, Inderscience publications, 9 (No.1), pp.89 - 108, 2015. (SCI) Impact factor: 0.22.
2. R.Prakash, R.K.Singh and S. Murugan, Experimental studies on combustion, performance and emission characteristics of diesel engine using different biodiesel bio oil emulsions, Journal of Energy Institute, Elsevier publications, 88 (1), 64–75, 2015. (SCI) Impact factor: 0.469
3. M. Ramesh, K. Palanikumar and K. Hemachandra Reddy, “Influence of fiber orientation and fiber content on properties of sisal-jute-glass fiber-reinforced polyester composites”, Journal of Applied Polymer Science (Published by Wiley online library, Impact Factor: 1.77), 133, 2015, 42968(1-9).
4. M. Ramesh, P. Sudharsan, K. Palanikumar, “Processing and mechanical property evaluation of flax-glass fiber reinforced polymer composites”, Applied Mechanics and Materials, Trans Tech Publications, 766-767, 2015, 144-149.
5. R. Bhoopathi, C. Deepa, G. Sasikala, M. Ramesh, “Experimental investigation on mechanical properties of hemp-banana-glass fiber reinforced composites”, Applied Mechanics and Materials, Trans Tech Publications, 766-767, 2015, 167-172.
6. M. Ramesh, S. Nijanthan, K. Palanikumar, “Processing and mechanical property evaluation of kenaf-glass fiber reinforced polymer composites”, Applied Mechanics and Materials, Trans Tech Publications, 766-767, 2015, 187-192.
7. M. Ramesh, R. Vimal, K. Hari Hara Subramaniyan, C. Aswin, B. Ganesh, C. Deepa, “Study of mechanical properties of jute-banana-glass fiber reinforced epoxy composites under various post curing temperature”, Applied Mechanics and Materials, Trans Tech Publications, 766-767, 2015, 211-215.
8. R. Vimal, K. Hari Hara Subramaniyan, C. Aswin, V. Logeswaran, M. Ramesh. “Comparisional study of succinylation and phthalicylation of jute fibres: study of mechanical properties of modified fibre reinforced epoxy composites”, Materials Today: Proceedings (Published by Elsevier Ltd.,) 2, 2015, 2918 – 2927.
9. R. Ashokgandhi, B.K. Raghunath, K. Palanikumar, V. Jayaseelan and S. Ganapathy ,” Optimization of Wear Characteristics of Polypropylene (PP)-Carbon Nano Tube (CNT)

- Using Taguchi Table” Advanced Nanomaterials: Synthesis and Applications, pp. 141-144 (2015)
10. R. Ashokgandhi*, B. K. Raghunath , K. Palanikumar,G. Swaminathan and V. Jayaseelan “Experimental Investigation of Wear Property of Polypropylene Composite Reinforced With Cnt/Mmt” *Proceedings of the 4th National Convention on Hydrogen Energy and Advanced Materials (NCHEAM-2015)* November 28-29, 2015
 11. Karthik Babu R N, Sarvesh R, Saravanakumar P M, Balaji K , Rajendra Prasad A , Muruganandam D, Swaminathan G “Evaluation of Mechanical Properties and Analysis of Rapidly Heat Treated T-1 High Speed Steels”. *International Journal of Applied Engineering Research*, ISSN 0973-4562 Vol. 10 No.49 (2015)
 12. Manickavasagam V.M , Vijaya Ramnath B, Elanchezhian C , Sundarrajan R, Vickneshwaran S, Santhosh Shankar A, Kaosik R , Santhosh Kumar K, “Evaluation of the double shear and hardness of abaca and flax reinforced polymer composite for automotive applications”,*Applied Mechanics and Materials Vols 766-767* (2015) pp 85-89
 13. Manickavasagam V.M, Vijaya Ramnath B, Elanchezhian C, Ramakrishnan G, S.Sathish, L.R. Prasanna Venkatesh, S. Pithchai Pandian , “Investigation of tensile behavior of flax-abaca hybrid epoxy composite ”,*Applied Mechanics and Materials Vols 766-767* (2015) pp 140-143
 14. Vijaya Ramnath B, Manickavasagam V.M, Elanchezhian C , Rajendra Prasad A , Kavin C, Karthik Subramanian B, Rahul V , “Investigation of Tensile Properties of Manila Fibre Reinforced Composite”, *Applied Mechanics and Materials Vols 766-767* (2015) pp 96-99
 15. Vijaya Ramnath B, Elanchezhian C, JayaKumar C.V , Manickavasagam V.M , U. S. Aswin, H. Eashwar, P. Kavirajan, D. Murugan, “ Investigation of Flexural Characteristics of Flax and Abaca Hybrid Epoxy Composites”, *Applied Mechanics and Materials Vols 766-767* (2015) pp 183-186
 16. Vijaya Ramnath B, Manickavasagam V.M, Elanchezhian C ,Karthick R, Bharath U Maruthi Kishore R, Rahul R, “ Investigation of Tensile behavior of Abaca-Raffia Hybrid composite ”,*APRN Journal of Engineering And Applied sciences*, Vol 10, No 13, July 2015 pp 5577-5580
 17. Manickavasagam V.M, Vijaya Ramnath B, Elanchezhian C , “A Review on Natural and Bamboo Fiber Composites ”,*International Journal of Advanced research in Science, Engineering and Technology Vol 2, Issue 11, November 2015 PP 1076-1080* (Google scholar)

b) International Conferences

1. S.K. Dinesh Kumar, M. Sivakumar, R. Selvanayagam, K. Sivakumar “A Study On Working Process Of Wire-Edm By Using Copper Powder Mixed Dielectric Fluid On

Hchr Alloy Steel”, In: Proceedings of the 10th International Conference Science engineering and technology (SET-2015), vellore institute of technology,vellore,India. 2015,p.250.

c) National Conferences

1. R. Prakash, A. Rajendra Prasad, S. Murugan, Impact of Engine Parameters on the Performance and Emissions of a DI Diesel Engine Fueled with Biofuel Emulsion, 24th National Conference on I.C. Engines and Combustion, University of Petroleum and Energy Studies, Dehradun, 30th October 2015 – 1st November 2015.
2. M. Ramesh, V. Vijai Ragul, B. Karthik Subramanian, “Energy generation by the influence of flux pinning on rotating turbine blades”, In: Proceedings of the 24th National Conference on IC Engines and Combustion (NCICEC 2015), University of Petroleum and Energy Studies, Dehradun, India, 2015, p. 230-234.
3. Swaminathan G, Rajendra Prasad A, Suresh S , S.M.Rahul, ”Experimental Analysis of Hardness And Densification of Microwave Sintered Al/Sic/Al₂O₃/Flyash Composites” 102nd Indian Science congress Association, Mumbai (2015)