

Department of Mechanical Engineering

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Major Publications in SCI & Referred Journals

- ➤ Harveer Singh Pali & Naveen Kumar (2016): Combustion, performance and emissions of Shorea robusta methyl ester blends in a diesel engine, Biofuels, Taylor and Francis, DOI:10.1080/17597269.2016 .1153363
- ➤ Shashi Prakash Dwivedi, Satpal Sharma and Vivek Singh, "Optimization of laser transmission joining process parameters on joint width of PET and 316 L stainless steel joint using RSM" Journal of optics (springer), 2016.
- ➤ Harveer Singh Pali & Naveen Kumar (2016): "Effects of n-Butanol Blending with Jatropha Methyl Esters on Compression Ignition Engine" Arab J Sci Eng. DOI 10.1007/s13369-016-2127-1,9 (Springer)
- ➤ Srivastava. A ,Dixit. A.R., Tiwari. S, A review on intensification of Metal matrix composite and its machining, Science and Engineering of Composite Materials, (SECM) (Thomson Reuter)- SCI (accepted), 2016.
- ➤ Srivastava. A , Dixit. A.R., Tiwari. S, Investigation of Microstructural and Mechanical Properties of Metal Matrix Composite A359/B4C through Electromagnetic Stir Casting, Indian Journal of Engineering & Materials Sciences (IJEMS) (Thomson Reuter)- SCI (accepted).
- ➤ Shashi Prakash Dwivedi, Satpal Sharma and Raghvendra Kumar Mishra, "Synthesis and mechanical behaviour of green metal matrix composites using waste eggshells as reinforcement material" Green Processing and Synthesis, Vol. 5 (2016) 275–282.
- ➤ Shashi Prakash Dwivedi, Satpal Sharma and Raghvendra Kumar Mishra, "Mechanical and Metallurgical Characterizations of AA2014/Eggshells Waste Particulate Metal Matrix Composite" International journal of precision engineering and manufacturing-green technology Vol. 3, No. 3, pp. 1-8 (Springer)2016.
- ➤ Hasan N, Khan S.M, Shameem F, "A new Flux based scheme for compressible flow" Computers and Fluids, 119 (2015), pp 58-85.
- ➤ Shashi Prakash Dwivedi, Satpal Sharma and Raghvendra Kumar Mishra, "Characterization of Waste Eggshells and CaCO3 Reinforced AA2014 Green Metal Matrix Composites: A Green Approach in the Synthesis of Composites" International journal of precision engineering and manufacturing (accepted) (Springer)
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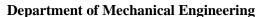
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solvents transesterification of cotton seed oil into biodiesel: effects of reaction conditions on quality of fatty acids methyl esters". Energy Conversion and Management. 84:640–8.

- ➤ Harveer Singh Pali, N. Kumar, Y. Alhassan [2015]. "Performance and emission characteristics of an agricultural engine with Sal methyl ester and diesel", Energy Conversion and Management, 90 146-153. http://dx.doi.org/10.1016/j.econman.2014.10.064 (Elsevier, Impact Factor: 3.56)
- ➤ Sachin Tejyan, Amar Patnaik, Erosive Wear Behavior and Dynamic Mechanical Analysis of Textile Material Reinforced Polymer Composites, Polymer Composites, DOI 10.1002/pc.23798, 2015.
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- ➤ Gupta Prateek and Kumar Sudhir, (2014), "Investigation of Stainless Steel Joint Fabricated Through Microwave Energy", Materials and Manufacturing Processes, Vol. 29, pp 910-914.
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- ➤ Sachin Tejyan, Amar Patnaik, A Taguchi Approach for Investigation of Solid Particle Erosion Response of Needle-Punched Nonwoven Reinforced Polymer Composites Part II, Journal of Industrial Textile, Sage, 43: 458-480, 2014.
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- ➤ A.K.Tiwari, M.M.Hasan and Mohd. Islam "Effect of Ambient Temperature on the Performance of a Combined Cycle Power Plant" *Trans CSME Canada*, issue 4, volume 37, 2013.
- A.K.Tiwari, M.M.Hasan and Mohd. Islam "Exergy analysis of combined cycle power plant- NTPC Dadri, India" *International Journal of Thermodynamics*, *Turkey*, Vol. 16, No. 1 pp 36-42, 2013.



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LIST OF PUBLICATIONS

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- ➤ Kumar, S., Kumar, S., & Kumar, A. "Microstructure and Percentage Elongation Analysis for Friction Stir Welding of Joining A6061 and A6082 alloys", Indian Welding Journal (Accepted) 2016.
- ➤ Harveer Singh Pali & Naveen Kumar (2016): Combustion, performance and emissions of Shorea robusta methyl ester blends in a diesel engine, Biofuels, Taylor and Francis, DOI:10.1080/17597269.2016 .1153363
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- ➤ Chaubey Y., Kumar C., Chauhan S. Failure Analysis of Suspension System Through Bondgraph Modeling Technique, Journal of Computational and Applied Research in Mechanical Engineering, ISSN-2228-722, Accepted, May 2016 (Scopus Indexed.)



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