

#### **JOURNAL PUBLICATIONS (for last 5 years):**

1. P A Ananda Kumar, **N Gayathri**, P Tamilarasan & K Kamal, "Experimental investigations on Electrical Discharge Machining of Titanium using Copper Electrode and Different Dielectric Mediums", IOSRD International Journal of Engineering, 2 (1), pp.01-08, 2015.
2. **Gayathri.N**, Ramesh Babu.B.R, V.K.Shanmuganathan & T.Raphael, "Surface Analysis of Ceramic Coated Turbine blade", International Journal of Applied Engineering Research, Indexed in Scopus, ISSN 0973-4562, 10(13), pp.11227- 11231, 2015.
3. **N.Gayathri**, N.Karthick, S.Naveenkumar & N.Anandhasabhapathi, "Study and Analysis of Composite Material using Natural Fiber", International Journal of Applied Engineering Research, Indexed in Scopus, ISSN 0973-4562, 10(13), pp.11023- 11027, 2015.
4. V.K.Shanmuganathan, A.P.Haran, **N.Gayathri** & T.Raphael, "Re-evaluation of Reliability and Mean Residual Life of Aero-Engine - A New Approach", International Journal of Applied Engineering Research, Indexed in Scopus, ISSN 0973-4562, 10(13), pp. 11119- 11124, 2015.
5. **Gayathri.N**, Dinesh Bharathy.S , Prashanth.V & Gopinath.N, "Elimination of Heat Check Marking in Chip Stripper", International Journal of Innovative Research in Science, Engineering and Technology, ISSN (Print) : 2347 - 6710 ISSN (Online) : 2319 – 8753, 4(3), pp. 82-88, 2015.
6. **Gayathri.N**, Shanmuganathan.V.K & Seenu Balaji.S, "Cost Reduction of Sheet Metal Parts with Feasible Raw Material Specifications", International Journal of Applied Engineering Research, Indexed in Scopus, ISSN 0973-4562, 10(57), pp.328-332, 2015.
7. **Gayathri.N**, Shanmuganathan.V.K, Mani Shankar.T.S, Karthick Ganesh.S & Deepan Gokul.M, "Creep Analysis of a Unit Flame Tube used in Turbo Fan Engine", International Journal of Applied Engineering Research, Indexed in Scopus, ISSN 0973-4562, 10(57), pp.138-142, 2015.
8. Shanmuganathan VK, **Gayathri N**, Kabilan S & Umanath K, "Comparative study on Performance of Linear and Annular Aero-Spike Nozzles", International Journal: Australian Journal of Basic and Applied Sciences, Indexed in Scopus, ISSN:1991-8178, 9(11), pp. 883-892, 2015.
9. V.K. Shanmuganathan, A.P. Haran & **N. Gayathri**, "Condition Monitoring Maintenance of Aero-Engines through LUMS - A Method for the Implementation of Lean Tools", International Journal : Measurement 73 (2015), Indexed in Scopus, Elsevier, pp.226-230, 2015.
10. S.Seenuvas, N.Nagendran, **N.Gayathri**, T.V.B.Babu & R.Manjunathan, "Energy Absorption Analysis in Front Bumper of a Car", Journal of Chemical and Pharmaceutical Sciences, ISSN: 0974-2115, JCHPS Special Issue 2, pp. 158-160, 2017.

11. E. Prakash, N. Nagendran, R. Suresh, **N. Gayathri** & N. Karthick, "An Experimental Investigation of I.C-Engine Using Nano Material Dispersed Biodiesel", Journal of Chemical and Pharmaceutical Sciences, ISSN: 0974-2115, JCHPS Special Issue 2, pp. 259-263, 2017.
12. S.Seenuvas, N.Nagendran, **N.Gayathri**, T.V.B.Babu & R.Manjunathan, "Numerical Analysis of Ballistic Impact on Combination of Polymer and Aluminum", Journal of Chemical and Pharmaceutical Sciences, ISSN: 0974-2115, JCHPS Special Issue 2, pp. 264-266, 2017.
13. N. Nagendran, V.K. Shanmuganathan, **N. Gayathri** & G. Dinesh Ram, "Wear analysis of LM25 (A356) alloy manufactured by squeeze casting, Applied Mechanics and Materials", Trans Tech Publications, ISSN: 1662-7482, Vol. 867, pp 157-164, 2017.
14. N. Nagendran, **N. Gayathri**, V.K. Shanmuganathan & S. Praveen, "Effects of nano particles on the microstructure of LM25 (A356) alloy manufactured by squeeze casting", Trans Tech Publications, ISSN: 1662-7482, Vol. 867, pp 64-70, 2017.
15. **Gayathri N**, Shanmuganathan V.K, Karthigayan K.G & Manesh Kumar S, "Energy Saving Method For Operating CNC Machine Door", Trans Tech Publications, ISSN: 1662-7482, Vol. 867, pp 272-279, 2017.
16. **Gayathri N**, Neethish R P , Navin Kishore S , Jagadesh P & Manoj Kumar J, "Cycle Time Reduction in Boiler Roof Panel", International Journal of Pure and Applied Mathematics, Vol. 116(23), ISSN: 1311-8080, pp. 197-201, 2017.
17. **Gayathri N** , Nagendran N , Manavalan R J , ManikandaBalaji M & Manikandan N, "Improvement of Pass Ratio in Creta Car Door Frame Line by Reducing the Rejection Rate", International Journal of Pure and Applied Mathematics, Vol. 116(23), ISSN: 1311-8080, pp. 191-196, 2017.
18. B.R.Ramesh Babu, **N.Gayathri**, B.Vijayakumar & V.K.Shanmuganathan, "Chemical Synthesis and Characterization of Thoria incorporated Yttria Ceria-Stabilized Zirconia nano particles for high temperature applications", Digest Journal of Nanomaterials and Biostructures, ISSN: 1842-3582, vol. 12, no.4, pp. 973-979. (Annexure I, Impact Factor 0.836)
19. Nagendran N, Shanmuganathan V K, **Gayathri N**, Suresh K, Aravindh S & Prakash E, "Investigations on Mechanical Behavior of Al6061-TiO<sub>2</sub>-SiC Produced by Stir Casting", International Journal of Engineering & Technology (UAE), ISSN 2227-524X, Vol.7 (3.34), pp 369-371, 2018.
20. **Gayathri N**, Karthick N, Shanmuganathan V K, Adhithyan T R, Madhan Kumar T & Gopalakrishnan J, "Productivity Improvement and Cost Reduction in Hydraulic Cylinders", International Journal of Engineering & Technology (UAE), ISSN 2227-524X, Vol.7 (3.34), pp 382-384, 2018.