

JOURNAL PUBLICATIONS (for last 5 years):

1. 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.
2. **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.
3. 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.
4. 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.
5. **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.
6. **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.
7. 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.
8. 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.
9. 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.
10. 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)

11. Nagendran N, **Shanmuganathan V K**, Gayathri N, Suresh K, Aravindh S & Prakash E, “Investigations on Mechanical Behavior of Al6061-TiO₂-SiC Produced by Stir Casting”, International Journal of Engineering & Technology (UAE), ISSN 2227-524X, Vol.7 (3.34), pp 369-371, 2018.
12. 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.