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LIST OF PUBLICATIONS

- 1. **Thirumalai, R.**, M. Seenivasan, and K. Panneerselvam. "Experimental investigation and multi response optimization of turning process parameters for Inconel 718 using TOPSIS approach." Materials Today: Proceedings, In Press,(2020).
- 2. **Thirumalai R**, KuaananTechato, Chandrasekharan M, Venkatapathy K, Seenivasan M "Experimental Investigation during turning process of Titanium material for Surface Roughness" Materials Today: Proceedings, In Press, (2020).
- 3. Senthil Kumar KM, **Thirumalai R**, Selvam TA, Natarajan A, Ganesan T, "Multi Objective Optimization in Machining Of Inconel 718 Using Taguchi Method" Materials Today: Proceedings, In Press, (2020).
- 4. Nandhakumar S, **Thirumalai R**, Viswaaswaran J, Senthil TA "Investigation of Production Costs in Manufacturing" Materials Today: Proceedings, In Press, (2020).
- 5. Dharmalingam S, NandhakumarS, Maguteeswaran R, **Thirumalai R** "Effect of process variables on MRR and Overcut in Electrochemical Micro machining of Al-6063-10% wtof SiC- 5% wtof B4C composites using grey relational analysis" International journal of disaster recovery and business continuity, Vol.11, No.1, pp.2815-2824,2020.
- 6. SathrudhanChoudhary V, SyadAbuthakker S, Nandhakumar S, **Thirumalai R**, "An Optimization of Energy Harvesting, Techniques through Mechanical Vibration" International journal of disaster recovery and business continuity, Vol.11, No.1, pp.2826-2834,2020.
- 7. Nandhakumar S, Maguteeswaran R, Dharmalingam S, **Thirumalai R**, "Stability Analysis Of Variable Structure Controlled Industrial Robotic Manipulator With Single Term Haar Wavelet Series" International journal of future generation communication and netwroking, Vol.13, No.3, pp.2247-2256,2020.
- 8. **Thirumalai, R**, Prakash, R, Ragunath, R and Senthilkumar, KM, "Experimental investigation of mechanical properties of epoxy based composites" Materials Research Express, Vol.6, pp.1-8, 2019.
- 9. **Thirumalai, R**, Balasubramaian, S, Kumaravelen, R, "A study to predict the process for producing CAM in the plasma cutting and laser beam cutting"Int. Journal of Mechanicaland Production Engineering Research and Development, Vol.8, No.7, pp.274-280,2019.
- 10. Thirumalai, Rand Sadhasivam, C. "Experimental Measurement and Computational

- Investigation on the Effect of Inlet Winglet Turbulators on the Heat Exchange Behaviour of Radiator of Tubes" Journal of Applied Fluid Mechanics, Vol. 11, Special Issue, pp. 135-139, 2018.
- 11. Murugan K, **Thirumalai R**, Raj kumar,K "Performance And Emission Analysis Of VCR Single Cylinder Four Stroke Diesel Engine Using Punnagam Oil" Journal of Ecology, Environment and Conservation, Vol.24, No.2, pp.947-951, 2018.
- 12. **Thirumalai, R**, Senthil Kumar KM, Arun KK. "Experimental investigation on analysis of performance of vortex tube through implementation of sustainable manufacturing" Int. J. Business Innovation and Research, accepted for publication, Inderscience publications, 2018.
- 13. **Thirumalai R** and Ganesan, T. "Optimization Of Process Parameters For Turning Of AISI 4140 Steel Under Dry Conditions For Safer Environment" Journal of Ecology, Environment and Conservation, Vol. 24, No.2, pp. 405-409, 2018.
- 14. Senthil Kumar, KM. **Thriumalai, R**. Senthilkumaar, JS. Chandrsekharan, M. "Experimental Investigation Of Process Parameters During Environment Friendly Turning Process" Journal of Ecology, Environment and Conservation, Vol. 24, No.2, pp. 422-427, 2018
- 15. **Thirumalai R** and Ganesan T, "Experimental Analysis For Machining Process Parameters Optimization For AISI 4140 Steel" Journal of the Balkan Tribological Associations, Vol.23, No.4, pp. 583-591, 2017.
- 16. Seenivasan M, Arularasu M, **Thirumalai R**, Senthilkumar KM, "Implementation of Occupational Health and Safety Analysis in Manufacturing Industries", Asian Journal of Research in Social Sciences and Humanities, Vol. 7, No. 1, PP. 384-391.2017.
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