

## **PUBLICATIONS**

### **Dr. VIJAYANANTH S**

1. Sanoop Sebastian Vijay Ananth Suyamburajan, (2020) Microstructural analysis of diffusion bonding on copper stainless steel, Materials Today: Proceedings, (In Press)
2. S. Ajith Arul Daniel, R. Pugazhenth, R. Kumar, S. Vijayananth, "Multi objective prediction and optimization of control parameters in the milling of aluminium hybrid metal matrix composites using ANN and Taguchi -grey relational analysis" in Defense Technology (Article in Press)
3. Ajith Arul Daniel, Vijayananth Suyamburajan, Parthiban Alagesan, Sivaganesan Selvaraju (2020) Optimization of machining parameters in electro chemical machining of Al5059/SiC/MoS<sub>2</sub> composites using taguchi method, , Materials today: proceedings.
4. Poovazhagan Lakshmanan, Vijayananth S, Sivaganesan S, (2020) Optimizing Ultrasonic Power on Fabricating Aluminum Nanocomposites Reinforced with Boron Carbide Nanoparticles, Materials Science Forum, Vol. 979, pp 28-33.
5. R. Pugazhenth, D. Sreeram, S.Vijay Ananth, A. Devaraju, (2020) Surface fracture analysis of stir casted AA 6063/TiC/Gr hybrid composites under different solidification rate, Materials Today: Proceedings, 22 701–704.
6. V. Jayaseelana, S. Vijayananth, J. Francis Xavier, S. Ajith Arul Daniel, Nallapaneni Manoj Kumard, X.X. Jiange, (2019), Experimental investigation on bi-axial superplastic forming characteristics of AA6063/SiCp with various percentages of SiCp under various temperatures and pressures, Results in Physics, Vol. 15, pp 1-4.
7. Vijayananth S, Jayaseelan, Ajith Arul Daniel S, Nallapaneni Manoj Kumar, (2019) High temperature superplasticity and its deformation mechanism of AA6063/SiCp, Case Studies in Thermal Engineering, Vol 14, pp. 1-6
8. S. Vijayananth S. Ajith Arul Daniel R K Muthuraman and R. Pugazhenth (2018) Analysis of Material Removal Rate and Surface Roughness in WEDM Of AL/SIC/MOS<sub>2</sub> International Journal of Mechanical Engineering and Technology, Vol 9, (11), pp. 1419–1428
9. R. Pugazhenth R K Muthuraman S. Ajith Arul Daniel and S. Vijayananth (2018) Minimizing Production Operation Cycle Time Using Exponential Distribution Heuristic, International Journal of Mechanical Engineering and Technology, Vol 9, (11), pp. 1429–1437.
10. S. Ajith Arul Daniel S. Vijayananth R. Pugazhenth R K Muthuraman (2018) Impact Analysis of Insas Rifle Bullet against the Vehicle Aluminium, Composite armour plate using LS-DYNA, International Journal of Mechanical Engineering and Technology, Vol 9, (11), pp. 1438–1446.
11. S. Vijayananth S. Ajith Arul Daniel R K Muthuraman and R. Pugazhenth (2018) Analysis of Material Removal Rate and Surface Roughness in WEDM Of AL/SIC/MOS<sub>2</sub>, International Journal of Mechanical Engineering and Technology, Vol. 9 (11), 1419–1428.

12. J. Immanuel Durai Raj , K. Arun Vasantha Geethan, S. Vijayananth, A .John Rajan, (2017), Remanufacturing of mobiles in India: Issues and challenges, International Journal of Pure and Applied Mathematics, Volume 117 No. 16 2017, 323-331.
13. S. Vijay Ananth, M. Dev Anand, D. Jackson and N. Prabhu (2016), Investigation of Biodiesel Production from High Free Fatty Acid through RSM, Indian Journal of Science and Technology, Vol 9(13), pp 1-10.
14. S. Vijay Ananth, A. Siddique Ahmed Ghias, M. Dev Anand and G. Glan Devadhas (2016) , Experimental Study of Thermal Performance of Coil in Shell Heat Exchanger, Indian Journal of Science and Technology, Vol 9(13), pp 1-17 .