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### **Journal Publications Details**

1. Effect of Heat Treatment and Plasma Arc Welding on the Mechanical and Metallurgical Properties of Hastelloy C276 U Mohammed Iqbal, S Muralidharan IOP Conference Series: Materials Science and Engineering 912 (3), 032002, 2020.
2. Experimental studies on magnesium metal matrix composites processed by twist extrusion U Mohammed Iqbal, S Muralidharan, PV Abhishek IOP Conference Series: Materials Science and Engineering 912 (3), 032055, 2020.
3. Zero Defect Assurance of 3-Wheeler product using IoT Systems H Muddubhai Asif, U Mohammed Iqbal IOP Conference Series: Materials Science and Engineering 912 (3), 032025, 2020.
4. A study on the combined effect of aging and severe plastic deformation on the mechanical properties of AA6061 alloy S Arun kumar, S Muralidharan, U Mohammed Iqbal IOP Conference Series: Materials Science and Engineering 912 (3), 032017, 2020.
5. Experimental study on end milling parameters of Ti6Al4V Titanium superalloy in different cutting environment S Vignesh, U Mohammed Iqbal IOP Conference Series: Materials Science and Engineering 912 (3), 032051, 2020.
6. Effects of Prior Annealing on the Mechanical Properties of a Twist-Extruded AA 7075 Aluminum Alloy C Sakthivel, VSS Kumar, U Mohammed Iqbal Materials and Technology 54 (1), 17-23, 2020.

7. Comparative Study of Different Coolants in End Milling of OHNS Using Minimum Quantity Lubrication Technique G Tigere, U Mohammed Iqbal, S Vignesh Journal of Applied Science and Engineering 22 (1), 93-101,2019.
8. Optimization of end milling process of Oil Hardened Non-Shrinking Die Steel (OHNS) under different cutting environment using Taguchi and Response surface methodology (RSM) approach S Vignesh, U Mohammed Iqbal, G Tigere Advances in Materials and Processing Technologies 5 (1), 78-94,2019.
9. Optimization of Dissimilar Friction Stir Welding Process Parameters of AA5083-H111 and AA6082-T6 by CCD-RSM TechniqueHMA Kumar, VV Raman, SP Shanmughanathan, J John, UM IqbalAdvances in Manufacturing Processes, 49-60,2019.
10. Experimental Investigation on Machining Parameters of Hastelloy C276 Under Different Cryogenic Environment S Vignesh, U Mohammed Iqbal Advances in Forming, Machining and Automation, 253-267,2019.
11. Optimization of die design parameters and experimental validation on Twist Channel Angular Pressing Process of AA6061-T6 aluminium alloy U Mohammed Iqbal, S Muralidharan Materials Research Express,2019.
12. Parametric Optimization of Trochoidal Step on Surface Roughness and Dish Angle in End Milling of AISID3 Steel Using Precise Measurements Santhakumar, J., Mohammed Iqbal U. Materials 12 (8), 1335,2019.
- 13.Taguchi-Grey Relational Based Multi-Response Optimization on the Performance of Tool Coating Thickness in Pocket Milling J Santhakumar, U Mohammed Iqbal, M Prakash Materials Today: Proceedings 5 (5), 13422-13428,2018.
14. Investigation on the Effect of Tensile Strength on Fdm Build Parts Using Taguchi-Grey Relational Based Multi-Response Optimization J Santhakumar, U Mohammed Iqbal, M PrakashInternational Journal of Mechanical Engineering and Technology (IJMET) 8 (12 )2017.
15. Application of Response Surface Methodology in optimizing the process parameters of Twist Extrusion Process for AA6061-T6 aluminium alloy U Mohammed Iqbal, VS Senthil Kumar, S Gopalakannan Measurement 94, 126-138,2016.