

Publication record for past 5 years

1. U Mohammed Iqbal, VS Senthil Kumar, S Gopalakannan, Application of Response Surface Methodology in optimizing the process parameters of Twist Extrusion Process for AA6061-T6 aluminium alloy 2016, Measurement 94, 126-138
2. Santhakumar, J., Mohammed Iqbal U. Parametric Optimization of Trochoidal Step on Surface Roughness and Dish Angle in End Milling of AISID3 Steel Using Precise Measurements 2019, Materials 12 (8), 1335
3. J Santhakumar, U Mohammed Iqbal, M Prakash, Investigation on the Effect of Tensile Strength on Fdm Build Parts Using Taguchi-Grey Relational Based Multi-Response Optimization 2017, International Journal of Mechanical Engineering and Technology (IJMET) 8
4. U Mohammed Iqbal, S Muralidharan, Optimization of die design parameters and experimental validation on Twist Channel Angular Pressing Process of AA6061-T6 aluminium alloy 2019, Materials Research Express
5. J Santhakumar, U Mohammed Iqbal, M Prakash, Taguchi-Grey Relational Based Multi-Response Optimization on the Performance of Tool Coating Thickness in Pocket Milling 2018, Materials Today: Proceedings 5 (5), 13422-13428
6. C Sakthivel, VSS Kumar, U Mohammed Iqbal, Effects of Prior Annealing on the Mechanical Properties of a Twist-Extruded AA 7075 Aluminum Alloy 2020, Materials and Technology 54 (1), 17-23
7. S Vignesh, U Mohammed Iqbal, Experimental Investigation on Machining Parameters of Hastelloy C276 Under Different Cryogenic Environment 2019, Advances in Forming, Machining and Automation, 253-267
8. HMA Kumar, VV Raman, SP Shanmughanathan, J John, UM Iqbal, Optimization of Dissimilar Friction Stir Welding Process Parameters of AA5083-H111 and AA6082-T6 by CCD-RSM Technique 2019, Advances in Manufacturing Processes, 49-60
9. S Vignesh, U Mohammed Iqbal, G Tigere, 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 2019, Advances in Materials and Processing Technologies 5 (1), 78-94
10. G Tigere, U Mohammed Iqbal, S Vignesh, Comparative Study of Different Coolants in End Milling of OHNS Using Minimum Quantity Lubrication Technique 2019, Journal of Applied Science and Engineering 22 (1), 93-101
11. S Vignesh, U Mohammed Iqbal, Experimental study on end milling parameters of Ti6Al4V Titanium superalloy in different cutting environment 2020, IOP Conference Series: Materials Science and Engineering 912 (3), 032051
12. S Arun kumar, S Muralidharan, U Mohammed Iqbal, A study on the combined effect of aging and severe plastic deformation on the mechanical properties of AA6061 alloy 2020, IOP Conference Series: Materials Science and Engineering 912 (3), 032017
13. H Muddubhai Asif, U Mohammed Iqbal, Zero Defect Assurance of 3-Wheeler product using IoT Systems 2020, IOP Conference Series: Materials Science and Engineering 912 (3), 032025
14. U Mohammed Iqbal, S Muralidharan, PV Abhishek, Experimental studies on magnesium metal matrix composites processed by twist extrusion 2020, IOP Conference Series: Materials Science and Engineering 912 (3), 032055

15. U Mohammed Iqbal, S Muralidharan, Effect of Heat Treatment and Plasma Arc Welding on the Mechanical and Metallurgical Properties of Hastelloy C276 2020, IOP Conference Series: Materials Science and Engineering 912 (3), 032002
16. Santhakumar, J., Mohammed Iqbal U. Minimization of specific cutting energy consumption during slot milling integrated with tool path pattern using grey relational analysis 2020, Journal of Green Engineering 10 (7), 3361–3375
17. J Santhakumar, U Mohammed Iqbal, Role of trochoidal machining process parameter and chip morphology studies during end milling of AISI D3 steel 2019, Journal of Intelligent Manufacturing, 1-17
18. S Vignesh, U Mohammed Iqbal, Experimental Investigation on Machining Parameters of Hastelloy C276 Under 2019, Advances in Forming, Machining and Automation: Proceedings of AIMTDR 2018, 253
19. T Geethapriyan, P Lakshmanan, M Prakash, U Mohammed Iqbal, S Suraj, Influence of Tool Electrodes on Machinability of Stainless Steel 420 Using Electrochemical Micromachining Process 2019, Advances in Manufacturing Processes, 441-456
20. J Santhakumar, U Mohammed Iqbal, M Prakash, Optimization of one direction tool path orientation for pocket milling of Ti-6Al-4V using taguchi based grey relational analysis 2018, IOP Conference Series: Materials Science and Engineering 402 (1)
21. M Prakash, U Mohammed Iqbal, Parametric optimization in turning of AA2014/Al₂O₃ nano composite for machinability assessment using sensors 2018, IOP Conference Series: Materials Science and Engineering 402 (1), 01201
22. U Mohammed Iqbal, J Dinesh, R Yogeshwaran, Productivity Improvement through Automated Loading of Brake Plates into Conveyor System in an Automobile Industry 2016, Indian Journal of Science and Technology 9 (33)
23. R Ravivarman, U Mohammed Iqbal, Modelling and Performance Evaluation of a Duplex Reciprocating Pump 2016, International Journal of Control Theory and Applications 9 (37), 537-543