

List of publications

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S.No	Title, Authors, Journal, Volume, Page nos	Year
1	“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
2	“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
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	“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
5	“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
6	“Minimization of specific cutting energy consumption during slot milling integrated with tool path pattern using grey relational analysis” Santhakumar, J., Mohammed Iqbal U., Journal of Green Engineering 10 (7), 3361–3375	2020
7	“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
8	“Role of trochoidal machining process parameter and chip morphology studies during end milling of AISI D3 steel” J Santhakumar, U Mohammed Iqbal, Journal of Intelligent Manufacturing, 1-17	2019

9	“Experimental Investigation on Machining Parameters of Hastelloy C276 Under” S Vignesh, U Mohammed Iqbal, Advances in Forming, Machining and Automation: Proceedings of AIMTDR 2018, 253	2019
10	“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
11	“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
12	“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
13	“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
14	“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
15	“Optimization of Dissimilar Friction Stir Welding Process Parameters of AA5083-H111 and AA6082-T6 by CCD-RSM Technique” HMA Kumar, VV Raman, SP Shanmughanathan, J John, UM Iqbal, Advances in Manufacturing Processes, 49-60	2019
16	“Influence of Tool Electrodes on Machinability of Stainless Steel 420 Using Electrochemical Micromachining Process” T Geethapriyan, P Lakshmanan, M Prakash, U Mohammed Iqbal, S Suraj, Advances in Manufacturing Processes, 441-456	2019
17	“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
18	“Optimization of one direction tool path orientation for pocket milling of Ti-6Al-4V using taguchi based grey relational analysis” J Santhakumar, U Mohammed Iqbal, M Prakash, IOP Conference Series: Materials Science and Engineering 402 (1)	2018
19	“Parametric optimization in turning of AA2014/Al₂O₃ nano composite for machinability assessment using sensors” M Prakash, U Mohammed Iqbal, IOP Conference Series: Materials Science and Engineering 402 (1), 012013	2018

20	“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 Prakash, International Journal of Mechanical Engineering and Technology (IJMET)	2017
21	“Productivity Improvement through Automated Loading of Brake Plates into Conveyor System in an Automobile Industry” U Mohammed Iqbal, J Dinesh, R Yogeshwaran, Indian Journal of Science and Technology 9 (33)	2016
22	“Modelling and Performance Evaluation of a Duplex Reciprocating Pump” R Ravivarman, U Mohammed Iqbal, International Journal of Control Theory and Applications 9 (37), 537-543	2016
23	“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