Dr.U.Mohammed Iqbal– Publications (2016-2020)

1. Vignesh, S. and Iqbal, U.M., 2020, August. Experimental study on end milling parameters of Ti6Al4V Titanium superalloy in different cutting environment. In *IOP Conference Series: Materials Science and Engineering* (Vol. 912, No. 3, p. 032051). IOP Publishing.

2. Muralidharan, S., Kumar, S.A. and Iqbal, U.M., 2020, August. A study on the combined effect of aging and severe plastic deformation on the mechanical properties of AA6061 alloy. In *IOP Conference Series: Materials Science and Engineering* (Vol. 912, No. 3, p. 032017). IOP Publishing.

3. Hussain, M.A. and Iqbal, U.M., 2020, August. Zero Defect Assurance of Three-Wheeler Product Using IoT Systems. In *IOP Conference Series: Materials Science and Engineering* (Vol. 912, No. 3, p. 032025). IOP Publishing.

4. Iqbal, U.M., Muralidharan, S. and Abhishek, P.V., 2020, August. Experimental studies on magnesium metal matrix composites processed by Twist Extrusion. In *IOP Conference Series: Materials Science and Engineering* (Vol. 912, No. 3, p. 032055). IOP Publishing.

5. Iqbal, U.M. and Muralidharan, S., 2020, August. Effect of Heat Treatment and Plasma Arc Welding on the Mechanical and Metallurgical Properties of Hastelloy C276. In *IOP Conference Series: Materials Science and Engineering* (Vol. 912, No. 3, p. 032002). IOP Publishing.

6. Sakthivel, C., Kumar, V.S. and Iqbal, U.M., 2020. Effects of prior annealing on the mechanical properties of a twist-extruded as 7075 aluminum alloy. *Material in technologies*, *54*(1), pp.17-23.

7. Vignesh, S. and Iqbal, U.M., 2019. Experimental Investigation on Machining Parameters of Hastelloy C276 Under. *Advances in Forming, Machining and Automation: Proceedings of AIMTDR 2018*, p.253.

8. Iqbal, U.M. and Muralidharan, S., 2019. Optimization of die design parameters and experimental validation on twist channel angular pressing process of AA6061-T6 aluminium alloy. *Materials Research Express*, *6*(8), p.0865f2.

9. Vignesh, S., Iqbal, U.M. and Tigere, G., 2019. 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. *Advances in Materials and Processing Technologies*, *5*(1), pp.78-94.

10. Vignesh, S. and Iqbal, U.M., 2019. Experimental Investigation on Machining Parameters of Hastelloy C276 Under Different Cryogenic Environment.

In *Advances in Forming, Machining and Automation* (pp. 253-267). Springer, Singapore.

11. Tigere, G., Iqbal, U.M. and Vignesh, S., 2019. Comparative Study of Different Coolants in End Milling of OHNS Using Minimum Quantity Lubrication Technique. *Journal of Applied Science and Engineering*, *22*(1), p.93г101.

12. Kumar, H.A., Raman, V.V., Shanmughanathan, S.P., John, J. and Iqbal, U.M., 2019. Optimization of dissimilar friction stir welding process parameters of AA5083-H111 and AA6082-T6 by CCD-RSM technique. In *Advances in Manufacturing Processes* (pp. 49-60). Springer, Singapore.

13. Geethapriyan, T., Lakshmanan, P., Prakash, M., Iqbal, U.M. and Suraj, S., 2019. Influence of Tool Electrodes on Machinability of Stainless Steel 420 Using Electrochemical Micromachining Process. In *Advances in Manufacturing Processes* (pp. 441-456). Springer, Singapore.

14. Santhakumar, J., Iqbal, U.M. and Prakash, M., 2018. Taguchi-Grey Relational Based Multi-Response Optimization on the Performance of Tool Coating Thickness in Pocket Milling. *Materials Today: Proceedings*, *5*(5), pp.13422-13428.

15. Santhakumar, J., Iqbal, U.M. and Prakash, M., 2018, August. Optimization of one direction tool path orientation for pocket milling of Ti-6Al-4V using taguchi based grey relational analysis. In *IOP Conference Series: Materials Science and Engineering* (Vol. 402, No. 1, p. 012166). IOP Publishing.

16. Prakash, M. and Iqbal, U.M., 2018. Parametric optimization in turning of AA2014/Al 2 O 3 nano composite for machinability assessment using sensors. *MS&E*, *402*(1), p.012013.

17. Santhakumar, J., Iqbal, U.M. and Prakash, M., 2017. Investigation on the Effect of Tensile Strength on Fdm Build Parts Using Taguchi-Grey Relational Based Multi-Response Optimization. *International Journal of Mechanical Engineering and Technology (IJMET)*, *8*(12), p.53.

18. Iqbal, U.M., Dinesh, J. and Yogeshwaran, R., 2016. Productivity Improvement through Automated Loading of Brake Plates into Conveyor System in an Automobile Industry. *Indian Journal of Science and Technology*, *9*, p.33.

19. Iqbal, U.M., Kumar, V.S. and Gopalakannan, S., 2016. Application of Response Surface Methodology in optimizing the process parameters of Twist Extrusion process for AA6061-T6 aluminum alloy. *Measurement*, *94*, pp.126-138.
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