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**Last 5 year Publication details :**

1. M Pradeep Kumar, C Chandrasekhara Sastry, "Experimental investigation of dry and cryogenic broaching of AISI 4340 steel", Materials and Manufacturing Processes, published by Taylor & Francis. Vol. 35, Issue 14, pp. 1584-1597 (2020).
2. S. Lakshmanan , M. Pradeep Kumar , M. Dhananchezian & N. Yuvaraj, "Investigation of monolayer coated WC inserts on turning Ti-alloy", Materials and Manufacturing Processes, published by Taylor & Francis. pp. 826-835 (2020).
3. C. Chandrasekhara Sastry<sup>1</sup> · K. Gokulakrishnan P. Hariharan, M. Pradeep Kumar, S. Rajendra Boopathy, "Investigation of boring on gunmetal in dry, wet and cryogenic conditions", Journal of the Brazilian Society of Mechanical Sciences and Engineering, published by Springer. Vol. 42, pp. 1-24 (2020).
4. Pragadish N, Pradeep Kumar M , Elango N, "Optimum Control Parameters During Machining of LM13 Aluminum Alloy Under Dry Electrical Discharge Machining (EDM) With A Modified Tool Design", MATERIALS SCIENCE (MEDŽIAGOTYRA), published by MEDŽIAGOTYRA. Vol. 25, Issue 3, pp. 270-275 (2019).
5. Chandrasekhara Sastry, C, Hariharan, P & Pradeep Kumar, M, "Experimental investigation of dry, wet and cryogenic boring of AA 7075 alloy", Materials and Manufacturing Processes, published by Taylor & Francis. Vol. 34, Issue 7, pp. 814-831 (2019).
6. Chandrasekhara Sastry, C, Hariharan, P, Pradeep Kumar, M & Muthu Manickam, MA, "Experimental investigation on boring of HSLA ASTM A36 steel under dry, wet, and cryogenic environments", Materials and Manufacturing Processes, published by Taylor & Francis. Vol. 34, Issue 12, pp. 1352-1379 (2019).
7. Yuvaraj Natarajana, \*, Pradeep Kumar Murugesanb , Mugilvalavan Mohanb , Shakeel Ahmed Liyakath Ali Khanc, "Abrasive Water Jet Machining process: A state of art of review", Journal of Manufacturing Processes, published by Elsevier. Vol. 49, pp. 271-322 (2019).

8. Lakshmanan Selvam , Pradeep Kumar Murugesan , Dhananchezian Mani and Yuvaraj Natarajan, "Investigation of AlCrN-Coated Inserts on Cryogenic Turning of Ti-6Al-4V Alloy ", Metals, published by Mdpi. Vol. 9, Issue 1138, pp. 1-15 (2019).
9. N. Pradeep, K. Shanmuga Sundaram, M. Pradeep Kumar, "Multi-response optimization of electrochemical micromachining parameters for SS304 using polymer graphite electrode with NaNO<sub>3</sub> electrolyte based on TOPSIS technique", Journal of the Brazilian Society of Mechanical Sciences and Engineering, published by Springer. Vol. 41, pp. 2-10 (2019).
10. N. Yuvaraj, M. Pradeep Kumar, "Optimisation of abrasive water jet cutting process parameters for AA5083-H32 aluminium alloy using fuzzy TOPSIS method", International Journal of Machining and Machinability of Materials, published by Interscience. Vol. 20, Issue 2, pp. 118-140 (2018).
11. Manivannan, R., and Pradeep Kumar, M, "Multi-attribute decision making of cryogenically cooled Micro-EDM drilling process parameters using TOPSIS method", Materials and Manufacturing Processes, published by Taylor & Francis. Vol. 32, Issue 2, pp. 209-215 (2017).
12. Yuvaraj, N., and Pradeep Kumar, M, "Investigation of Process parameters influence in AWJ cutting of D2 steel", Materials and Manufacturing Processes, published by Taylor & Francis. Vol. 32, Issue 2, pp. 151-161 (2017).
13. Shakeel Ahmed. L, Pradeep Kumar. M, "Performance Evaluation of Cryogenic Cooling in Reaming Titanium Alloy", Materials and Manufacturing Processes, published by Taylor & Francis. Vol. 32, Issue 3, pp. 302-308 (2017).
14. Shakeel Ahmed. L, Pradeep Kumar. M, "., Investigation of cryogenic cooling effect in reaming Ti-6AL-4V alloy", Materials and Manufacturing Processes, published by Taylor & Francis. Vol. 32, Issue 9, pp. 970-978 (2017).
15. Yuvaraj, N., and Pradeep Kumar, M, "Surface Integrity Studies On Abrasive Water Jet Cutting Of Aisi D2 Steel", Materials and Manufacturing Processes, published by Taylor & Francis. Vol. 32, Issue 2, pp. 162-170 (2017).
16. Yuvaraj, N., and Pradeep Kumar, M, "Study And Evaluation Of Abrasive Water Jet Cutting Performance On Aa5083-H32 Aluminium Alloy By Varying The Jet Impingement Angles With Different Abrasive Mesh Sizes", International Journal of

Machining Science and Technology, published by Taylor & Francis. Vol. 3, pp. 1-31 (2017).

17. Vinoth Kumar, S., Pradeep Kumar. M, "Experimental Investigation and Optimization of Machining Process Parameters in AISI D2 Steel Under Conventional EDM and Cryogenically Cooled EDM Process", Transactions of the Indian Institute of Metals, published by SPRINGER. Vol. 70, Issue 9, pp. 2293-2301 (2017).
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19. Shakeel Ahmed. L, Govindaraju. N, Pradeep Kumar. M, " Experimental Investigations on Cryogenic Cooling in the Drilling Of Titanium alloy", Materials and Manufacturing Processes, published by Taylor & Francis. Vol. 31, pp. 603-607 (2016).
20. S. Vanangamudi, M. Pradeep Kumar, "Experimental study on surface roughness in MS bar by using double point cutting tool in turning", International Journal of recent and innovation trends in computing and communication, Vol. 3, Issue 9, pp. 5493-5499 (2016).
21. Vinoth Kumar, S., Pradeep Kumar. M, "Experimental Investigation of the process parameters on AISI D2 tool steel under cryogenic cooling electrode in EDM process", Journal of Mechanical Science and Technology, published by SPRINGER. Vol. 29, Issue 9, pp. 3865-3871 (2015).