

### **Publication record for past 5 years**

1. N Yuvaraj, M Pradeep Kumar, Multiresponse Optimization of Abrasive Water Jet Cutting Process Parameters Using TOPSIS Approach 2015, Materials and Manufacturing Processes 30 (7), 882-889.
2. N Yuvaraj, MP Kumar, Cutting of aluminium alloy with abrasive water jet and cryogenic assisted abrasive water jet: A comparative study of the surface integrity approach 2016, Wear 362, 18-32
3. N Yuvaraj, MP Kumar, Surface integrity studies on abrasive water jet cutting of AISI D2 steel 2017, Materials and Manufacturing Processes 32 (2), 162-170
4. N Yuvaraj, MP Kumar, Investigation of process parameters influence in abrasive water jet cutting of D2 steel 2017, Materials and Manufacturing Processes 32 (2), 151-161
5. Y Natarajan, PK Murugesan, M Mohan, S Ahmed, Abrasive Water Jet Machining process: A state of art of review 2020, Journal of Manufacturing Processes 49, 271-322
6. N Yuvaraj, M Pradeep Kumar, Study and evaluation of abrasive water jet cutting performance on AA5083-H32 aluminum alloy by varying the jet impingement angles with different abrasive mesh sizes 2017, Machining Science and Technology 21 (3), 385-415
7. R Muruganandhan, M Mugilvalavan, K Thirumavalavan, N Yuvaraj, Investigation of water jet peening process parameters on AL6061-T6 2018, Surface Engineering 34 (4), 330-340
8. M Jebaraj, M Pradeep Kumar, N Yuvaraj, G Mujibar Rahman, Experimental study of the influence of the process parameters in the milling of Al6082-T6 alloy 2019, Materials and Manufacturing Processes 34 (12), 1411-1427
9. P Thamizhvalavan, S Arivazhagan, N Yuvaraj, B Ramesh, Machinability study of abrasive aqua jet parameters on hybrid metal matrix composite 2019, Materials and Manufacturing Processes 34 (3), 321-344
10. N Yuvaraj, E Pavithra, CS Shamli, Investigation of Surface Morphology and Topography Features on Abrasive Water Jet Milled Surface Pattern of SS 304 2020, Journal of Testing and Evaluation 48 (4), 2981-2997
11. Y Natarajan, PK Murugesan, S Leninraj, R Arunachalam, Experimental Investigation on Cryogenic Assisted Abrasive Water Jet Machining of Aluminium Alloy 2019, International Journal of Precision Engineering and Manufacturing-Green ...
12. N Yuvaraj, MP Kumar, Optimisation of abrasive water jet cutting process parameters for AA5083-H32 aluminium alloy using fuzzy TOPSIS method 2018, International Journal of Machining and Machinability of Materials 20 (2) ...
13. M Jebaraj, M Pradeep Kumar, N Yuvaraj, R Anburaj, Investigation of surface integrity in end milling of 55NiCrMoV7 die steel under the cryogenic environments 2020, Machining Science and Technology 24 (3), 465-488
14. N Yuvaraj, M Pradeep Kumar, Performance and Surface Evaluation Characteristics on Cryogenic Assisted Abrasive Water Jet Machining of AISI D2 Steel 2019, Non-Conventional Machining in Modern Manufacturing Systems 10, 202-231
15. P Hariharan, Shamli, Rajkeerthi, P Shruthilaya, N Yuvaraj, Influence of Process Parameters on Electrochemical Micromachining of Nimonic 75 Alloy, ASME 2017 International Mechanical Engineering Congress and Exposition 2 ...
16. N Yuvaraj, P Kumar, Experimental Study of Cryogenically Enhanced Abrasive Water Jet Cutting of AISI D2 Steel 2016, AIMTDR 2016

17. L Selvam, PK Murugesan, D Mani, Y Natarajan, Investigation of AlCrN-Coated Inserts on Cryogenic Turning of Ti-6Al-4V Alloy 2019, *Metals* 9 (12), 1338
18. S Ahmed L, N Yuvaraj, T Hariprasad, Influence of Cryogenic Reaming Process Parameters on Titanium Alloy by Using Grey Relational Analysis 2019, *FME Transactions* 47 (3), 634-640
19. K Balaji, N Yuvaraj, Influence of Different Abrasives Mixtures on Abrasive Water Jet Drilling of Die Steel 2021, *Lecture Notes in Mechanical Engineering*, 511-519
20. N Yuvaraj, N Arunkumar, MS Nivetha, AL Esther, Abrasive water jet piercing of inclined holes on ceramic coated nickel superalloy: A Preliminary Study 2020, *Manufacturing Letters* 26, 59-63
21. V Sivalingam, Z Zhuoliang, S Jie, S Baskaran, N Yuvaraj, MK Gupta, Use of Atomized Spray Cutting Fluid Technique for the Turning of a Nickel Base Superalloy 2020, *Materials and Manufacturing Processes*, 1-8
22. E Pavithra, M Dhakal, P Hada, N Yuvaraj, K Sridhar, Experimental Investigation of Twist Fatigue Characteristics on Piston Rings 2020, *International Journal of Vehicle Structures & Systems* 12 (2)
23. CS Shamli, P Hariharan, N Yuvaraj, E Rajkeerthi, Impact of Electrical Process Parameter in Electrochemical Micromachining of Nimonic 75 Alloy 2020, *International Journal of Vehicle Structures & Systems* 12 (2)
24. R Thillaigovindan, Y Natarajan, Experimental Investigation on Cryogenic Assisted Abrasive Aqua Jet Machining of Die Steel 2020, *FME Transactions* 48 (4), 954-961
25. CS Shamli, P Hariharan, N Yuvaraj, E Rajkeerthi, Study and evaluation of process parameter on Nimonic 75 alloy by Electrochemical micromachining 2020, *IOP Conference Series: Materials Science and Engineering* 923, 012021
26. S Lakshmanan, M Pradeep Kumar, M Dhananchezian, N Yuvaraj, Investigation of monolayer coated WC inserts on turning Ti-alloy 2020, *Materials and Manufacturing Processes* 35 (7), 826-835
27. PG Kumar, N Yuvaraj, V Kumaresan, R Velraj, Selection of Heat Transfer Fluids for Solar Thermal Applications Using Multi-Criteria Decision-Making Tools 2020, *Journal of Testing and Evaluation* 48 (1), 595-612
28. N Yuvaraj, MP Kumar, EXPERIMENTAL INVESTIGATION OF ABRASIVE WATER JET CUTTING PERFORMANCE ON AISI D2 STEEL BY INFLUENCING OF JET IMPINGEMENT ANGLES AND ABRASIVE MESH SIZES 2015, *COPEN* 9
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