Sl. No.	Name with full address	Area of specialization
Panel Member from other University/Institution		
4.	Name : **Dr. N. Yuvaraj** Designation : Assistant Professor (Research) Department : Mechanical Engineering Address : Vel Tech Rangarajan Dr.Sagunthala R&D Institute of science and technology, Chennai, Tamil Nadu 600062 Mobile : 9842079202 E-mail : drnyuvaraj@veltech.edu.in	Metal matrix composite Cryogenic machining Abrasive waterjet Surface integrity

List of Publications for last 5 years	
1.	N. Yuvaraj, Abrasive water jet piercing of inclined holes on ceramic coated nickel superalloy: A Preliminary Study, *Manufacturing Letters*, 26, 59-63, 2020
2.	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, *Materials and Manufacturing Processes*, 2020 (Published online).
3.	**N. Yuvaraj,** Abrasive water jet piercing of superalloys: A study of small diameter deep holes, *Lecture Notes in Mechanical Engineering*, 2020 (Accepted)
4.	K. Balaji, **N. Yuvaraj**, Influence of Different Abrasives Mixtures on Abrasive Water Jet Drilling of Die Steel, *Lecture Notes in Mechanical Engineering*, 2020 (Accepted).
5.	**N. Yuvaraj**, Experimental Investigation on Abrasive Water Jet Polishing of Stainless steel: A Preliminary Study, *International Journal of Surface Science and Engineering*, 2020 (Accepted).
6.	CS Shamli, P Hariharan, **N Yuvaraj**, E Rajkeerthi, Study and evaluation of process parameter on Nimonic 75 alloy by Electrochemical micromachining, IOP Conference Series: Materials Science and Engineering 923, 012021, 2021.
7.	CS Shamli, P Hariharan, **N Yuvaraj**, E Rajkeerthi, Impact of Electrical Process Parameter in Electrochemical Micromachining of Nimonic 75 Alloy, International Journal of Vehicle Structures & Systems 12 (2), 2020.
8.	**N Yuvaraj**, M Pradeep Kumar, M Mughilvalavan, L Shakeel Ahmed, Abrasive Water Jet Machining process: A state of art of review, *Journal of Manufacturing Processes* 49, pp.271-322, 2020.
9.	E Pavithra, M Dhakal, P Hada, **N Yuvaraj**, K Sridhar, Experimental Investigation of Twist Fatigue Characteristics on Piston Rings, International Journal of Vehicle Structures & Systems 12 (2), 2020.
10.	M Jebaraj, M Pradeep Kumar, **N Yuvaraj**, R Anburaj, Investigation of surface integrity in end milling of 55NiCrMoV7 die steel under the cryogenic environments, Machining Science and Technology 24 (3), 465-488, 2020.
11.	S Lakshmanan, M Pradeep Kumar, M Dhananchezian, **N Yuvaraj**, Investigation of monolayer coated WC inserts on turning Ti-alloy, Materials and Manufacturing Processes 35 (7), 826-835, 2020.
12.	**N Yuvaraj**, E Pavithra, CS Shamli, Investigation of Surface Morphology and Topography Features on Abrasive Water Jet Milled Surface Pattern of SS 304, *Journal of Testing and Evaluation*, ASTM International, Vol.48(1), 2019.
13.	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, Materials and Manufacturing Processes 34 (12), 1411-1427, 2019.
14.	L Selvam, PK Murugesan, D Mani, **N. Yuvaraj**, Investigation of AlCrN-Coated Inserts on Cryogenic Turning of Ti-6Al-4V Alloy, Metals 9 (12), 1338, 2019.
15.	**N Yuvaraj**, M Pradeep Kumar, S Leninraj, A Rajadurai, Experimental Investigation on Cryogenic Assisted Abrasive Water Jet Machining of Aluminium Alloy, *International Journal of Precision Engineering and Manufacturing – Green Technology*, 6(3), 415-432, 2019.
16	**N Yuvaraj**, M Pradeep Kumar, Performance and Surface Evaluation Characteristics on Cryogenic Assisted Abrasive Water Jet Machining of AISI D2 Steel, *Non-Conventional Machining in Modern Manufacturing Systems*, ed. Kaushik Kumar, Nisha Kumari and J. Paulo Davim, pp. 202-231, 2019.
17	P Thamizhvalavan, S Arivazhagan, **N Yuvaraj**, B Ramesh, Machinability study of abrasive aqua jet parameters on hybrid metal matrix composite, *Materials and Manufacturing Processes* 34 (3), 321-344, 2019.

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18	S Ahmed L, **N Yuvaraj**, T Hariprasad, Influence of Cryogenic Reaming Process Parameters on Titanium Alloy by Using Grey Relational Analysis, FME Transactions 47 (3), 634-640, 2019.
19	**N Yuvaraj**, M Pradeep Kumar, Optimization of abrasive water jet cutting process parameters for AA5083-H32 aluminium alloy using fuzzy TOPSIS method, *International Journal of Machining and Machinability of Materials*, 20 (2), 118-140, 2018.
20	R Muruganandhan, M Mugilvalavan, K Thirumavalavan, **N Yuvaraj**, Investigation of water jet peening process parameters on AL6061-T6, Surface Engineering, *Surface Engineering* 34 (4), 330- 340, 2018.
21	**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, *International Journal of Machining Science and Technology*, 21 (3), 385-415, 2017.
22	**N Yuvaraj**, M Pradeep Kumar, Investigation of process parameters influence in abrasive water jet cutting of D2 steel, Materials and Manufacturing Processes, 32 (2), 151-161, 2017.
23	**N Yuvaraj**, M Pradeep Kumar, Surface integrity studies on abrasive water jet cutting of AISI D2 steel, Materials and Manufacturing Processes, 32 (2), 162-170, 2017.
24	**N Yuvaraj**, M Pradeep Kumar, Cutting of aluminium alloy with abrasive water jet and cryogenic assisted abrasive water jet: A comparative study of the surface integrity approach, *Wear*, 362, 18- 32, 2016.
25	**N Yuvaraj**, M Pradeep Kumar, Multiresponse Optimization of Abrasive Water Jet Cutting Process Parameters Using TOPSIS Approach, *Materials and Manufacturing Processes*, 30 (7), 882-889, 2015.

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