

Dr .M. Pradeep KumarProfessor, Department of Mechanical Engineering, CEG, [Anna University](#)

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<u>TITLE</u>	<u>CITED BY</u>	YEAR
Effect of cryogenic CO2 and LN2 coolants in milling of aluminum alloy M Jebaraj, MP Kumar Materials and Manufacturing Processes	9	2019
Effect of nozzle angle and depth of cut on grinding titanium under cryogenic CO₂ J Elanchezhian, M Pradeep Kumar Materials and Manufacturing Processes, 1-5	7	2018
Optimisation of abrasive water jet cutting process parameters for AA5083-H32 aluminium alloy using fuzzy TOPSIS method N Yuvaraj, MP Kumar International Journal of Machining and Machinability of Materials 20 (2 ...	5	2018
Drilling of AISI 304 Stainless Steel under Liquid Nitrogen Cooling: A Comparison with Flood Cooling MP Kumar, LS Ahmed Materials Today: Proceedings 4 (2), 1518-1524	9	2017
Improving the machining performance characteristics of the μEDM drilling process by the online cryogenic cooling approach R Manivannan, MP Kumar Materials and Manufacturing Processes, 1-7	16	2017
Study and evaluation of abrasive water jet cutting performance on AA5083-H32 aluminum alloy by varying the jet impingement angles with different abrasive mesh ... N Yuvaraj, M Pradeep Kumar Machining Science and Technology, 1-31	15	2017
Investigation of process parameters influence in abrasive water jet cutting of D2 steel N Yuvaraj, MP Kumar Materials and Manufacturing Processes 32 (2), 151-161	23	2017
Multi-attribute decision-making of cryogenically cooled micro-EDM drilling process parameters using TOPSIS method R Manivannan, MP Kumar Materials and Manufacturing Processes 32 (2), 209-215	42	2017
Experimental investigations on cryogenic assisted abrasive water jet machining of aluminium alloy and die steel MP Kumar	1	2017

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<u>TITLE</u>	<u>CITED BY</u>	YEAR
Chennai		
Performance evaluation of cryogenic cooling in reaming process for titanium alloys MP Kumar Chennai		2017
Performance Evaluation of Magnetic Field Assisted Micro Electrical Discharge Machining (μEDM) Process R Manivannan, MP Kumar		2016
Cutting of aluminium alloy with abrasive water jet and cryogenic assisted abrasive water jet: A comparative study of the surface integrity approach N Yuvaraj, MP Kumar Wear 362, 18-32	27	2016
Surface Integrity Studies on Abrasive Water Jet Cutting of AISI D2 Steel N Yuvaraj, MP Kumar Materials and Manufacturing Processes	23	2016
Investigation of Cryogenic Cooling Effect in Reaming Ti-6Al-4V Alloy LS Ahmed, MP Kumar Materials and Manufacturing Processes	20	2016
Multiresponse optimization of cryogenic drilling on Ti-6Al-4V alloy using topsis method LS Ahmed, MP Kumar Journal of Mechanical Science and Technology 30 (4), 1835-1841	19	2016
Finite Element Modelling of Orthogonal Cryogenic Machining Process S Sriram, V Vignesh, KS Vijay Sekar, M Pradeep Kumar Applied Mechanics and Materials 852, 248-254		2016
Investigation of cryogenic cooling in micro EDM drilling process MP Kumar Chennai		2016
Experimental investigation of process parameters under dry EDM using modified electrode MP Kumar Chennai		2016

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<u>TITLE</u>	<u>CITED BY</u>	YEAR
Optimization of Dry EDM Process Parameters Using Grey Relational Analysis N Pragadish, MP Kumar Arabian Journal for Science and Engineering, 1-8	37	2016
Multi-response optimization of Micro-EDM process parameters on AISI304 steel using TOPSIS R Manivannan, MP Kumar Journal of Mechanical Science and Technology 30 (1), 137-144	49	2016
Performance Evaluation of Dry EDMed Aluminium Alloy MP Kumar, N Pragadish ASME 2015 International Mechanical Engineering Congress and Exposition ...		2015
Grinding titanium Ti-6Al-4V alloy with electroplated cubic boron nitride wheel under cryogenic cooling J Elanchezhian, MP Kumar, G Manimaran Journal of Mechanical Science and Technology 29 (11), 4885-4890	12	2015
Machining process parameter and surface integrity in conventional EDM and cryogenic EDM of Al-SiC p MMC SV Kumar, MP Kumar Journal of Manufacturing Processes 20, 70-78	25	2015
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Multiresponse Optimization of Abrasive Water Jet Cutting Process Parameters Using TOPSIS Approach N Yuvaraj, M Pradeep Kumar Materials and Manufacturing Processes 30 (7), 882-889	104	2015
Cryogenic Drilling of Ti-6Al-4V Alloy Under Liquid Nitrogen Cooling LS Ahmed, MP Kumar Materials and Manufacturing Processes	54	2015
Surface characteristics analysis of dry EDMed AISI D2 steel using modified tool design N Pragadish, MP Kumar	9	2015

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<u>TITLE</u>	<u>CITED BY</u>	YEAR
Journal of Mechanical Science and Technology 29 (4), 1737-1743		
Experimental Investigations on Cryogenic Cooling in the Drilling of Titanium Alloy LS Ahmed, N Govindaraju, M Pradeep Kumar Materials and Manufacturing Processes	44	2015
Sensitivity Analysis of Material Constitutive Model Parameters in Numerical Simulation of the Orthogonal Turning Process SKS Vijay, KM Pradeep Advanced Materials Research 1119, 591-596		2015
Study on surface integrity of high speed turning of Inconel 718 using Taguchi DOE approach M Nataraj, M Ramamoorthy, MP Kumar International Journal of Applied Engineering Research 10 (2), 4191-4200	4	2015