Profile Page

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Research Interests :

Manufacturing processes, Machining, Sustainable manufacturing, Agriculture, Bio waste management

Other Profile Links :

Google Scholar Link :

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Personal Web Link :

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Journal Publications :

Year	Journal	Publication
2020	Journal of cleaner production, Elsevier	Machining characteristics based life cycle assessment in eco-benign turning of pure titanium alloy, Munish Kumar Gupta, Qinghua Song, Zhanqiang Liu, Catalin Iulian Pruncu, Mozammel Mia, Gurraj Singh, Jose Adolfo Lozano, Diego Carou, Aqib Mashood Khan, Muhammad Jamil, Danil Yu Pimenov
2019	The International Journal of Advanced Manufacturing Technology, Springer	Hybrid cooling-lubrication strategies to improve surface topography and tool wear in sustainable turning of Al 7075-T6 alloy. Munish Kumar Gupta, Mozammel Mia, GurRaj Singh, Danil Yu Pimenov, Murat Sarikaya, Vishal S Sharma
2019	Materials , MDPI	Investigations of machining characteristics in the upgraded MQL-assisted turning of pure titanium alloys using evolutionary algorithms
2018	Journal of cleaner production, Elsevier	An approach to cleaner production for machining hardened steel using different cooling-lubrication conditions, Mozammel Mia, Munish Kumar Gupta, Gurraj Singh, Grzegorz Królczyk, Danil Yu Pimenov

2018	The International Journal of Advanced Manufacturing Technology, Springer	Modeling and optimization of tool wear in MQL-assisted milling of Inconel 718 superalloy using evolutionary techniques
2018	Precision Engineering, Elsevier	Influence of Ranque-Hilsch vortex tube and nitrogen gas assisted MQL in precision turning of Al 6061-T6. Mozammel Mia, GurRaj Singh, Munish Kumar Gupta, Vishal S Sharma
2018	Materials , MDPI	Machinability investigations of Inconel-800 super alloy under sustainable cooling conditions, Munish Kumar Gupta, Catalin Iulian Pruncu, Mozammel Mia, Gurraj Singh, Sunpreet Singh, Chander Prakash, PK Sood, Harjot Singh Gill
2018	International Journal of Machining and Machinability of Materials, Inderscience publishers	Sustainable drilling of aluminium 6061-T6 alloy by using nano-fluids and Ranque-Hilsch vortex tube assisted by MQL: an optimisation approach, GurRaj Singh, Vishal S Sharma, Munish Kumar Gupta
2018	International Journal of Materials and Product Technology, Inderscience publishers	Investigations of performance parameters in NFMQL assisted turning of titanium alloy using TOPSIS and particle swarm optimisation method. Munish Kumar Gupta, PK Sood, Gurraj Singh, Vishal S Sharma
2017	Journal of cleaner production, Elsevier	Sustainable machining of aerospace material–Ti (grade-2) alloy: modeling and optimization, Munish Kumar Gupta, Pardeep Kumar Sood, Gurraj Singh, Vishal S Sharma
2017	Advanced manufacturing technologies, Springer	Experimental investigation and optimization on MQL-assisted turning of Inconel-718 super alloy, Munish K Gupta, PK Sood, Gurraj Singh, Vishal S Sharma
2016	The International Journal of Advanced Manufacturing Technology, Springer	Analyzing machining parameters for commercially puretitanium (Grade 2), cooled using minimum quantity lubrication assisted by a Ranque-Hilsch vortex tube, GurRaj Singh, Vishal S Sharma
2015	Materials and manufacturing processes, TAYLOR AND FRANCIS	A review on minimum quantity lubrication for machining processes, Vishal S Sharma, GurRaj Singh, Knut Sørby
2015	Journal of The Institution of Engineers (India): Series C, Springer	Modelling and optimization of tool wear in machining of EN24 steel using taguchi approach, MK Gupta, G Singh, PK Sood

Conference Publications :

Year	Conference	Publication
2018	Materials Today: Proceedings, Elesvier	Improving the Surface roughness and Flank wear of the boring process using particle damped boring bars
2018	Materials Today: Proceedings, Elesvier	Study on surface roughness in machining of Al/SiCp metal matrix composite using desirability function analysis approach
2016	6th International Workshop of Advanced Manufacturing and Automation, Atlantis press	Parametric Optimization Using The Particle Swarm Optimization (PSO) Technique for Minimizing Tool Wear While Milling Inconel 718 Alloy Assisted by Minimum Quantity Lubrication. Vishal S Sharma, GurRaj Singh, Knut Sorby