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PUBLICATIONS :JOURNALS

1. **Muthuraman, V** & Pradeep Kumar, M (2014), 'Performance Evaluation of Liquid Nitrogen as coolant in Turning of Al/SiC Metal Matrix Composites', Advanced MaterialsResearch,vol.893, pp. 341-345.

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14. **Muthuraman.V**, Karunakaran K, Arunkumar.S,& Sridhar (2018), 'Performance comparison of various Dry,Paraffin and conventional coolants in turning 6082 Aluminium alloy, International Journal of Management,Technology and Engineering, vol.8,Issue XII,pp.4607-4611

15. **Muthuraman.V**,Sridhar R,Palpandian P, Arunkumar.S(2018), 'Influence of Cryogenic LN2 coolant on Chip morphology in Machining 7075 Aluminium alloy', International Journal of Management,Technology and Engineering ,vol.8,Issue XII,pp.4611-4615
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19. **Muthuraman V,** Gurusamy P,Arunkumar S,Parthiban A (2020), 'Investigation on Influence of Cutting Forces In Performance Evaluation of Machining Of Al/Sic Composite (LM-13) Using Cryogenic Liquid Nitrogen as A Coolant' TEST Engineering and Management, 82 (2020) 11776–11780
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NATIONAL AND INTERNATIONAL CONFERENCES

1. Investigation on Influence of Cutting forces in Performance Evaluation of machining of Al/SiC Composite(LM-13) using Cryogenic Liquid Nitrogen as a coolant, in International conference on Emerging Trends in Engineering Research ICETER 18 , May 18-19, 2018 organized by Vels University, Chennai and SIAM University, Thailand.

2. Modelling and simulation analysis of metal castings, in International conference on Emerging Trends in Engineering Research ICETER 16 , Oct 20-21 ,at Vels University, Chennai.

3. Performance Evaluation of Liquid Nitrogen as coolant in Turning of Al/SiC Metal Matrix Composites(AMMC), in International conference on Advance Materials and Engineering Material ICAMEM 2013, Dec 14-15 ,Singapore.

4. Experimental Comparison of turning of Aluminum Silicon alloy composite using liquid nitrogen and conventional coolant in International Conference On Modeling Optimization and Computing, at Noorul Islam University, Apr 10-11, 2014, Nagerkoil.

5. Investigation and solidification analysis of aluminum - 12 % wt.silicon alloy piston casting using finite element method in International Conference on Emerging Research and Advances in Mechanical Engineering ERA'09 at Velammal Engineering College, Chennai **.**

6. Thermal Analysis of Aluminium-12% Wt.Silicon Alloy Piston Casting using Finite Element Method in National Conference on Global Technologies in Manufacturing and Thermal Sciences, GTMTS'08 at Sethu Institute of Technology, Virudhunagar.

7. Best practices in teaching –learning process" in National Seminar on TTQI'09 organized by Consortium of Self-financing Professional, Arts & Science colleges in Tamilnadu at Sathyabama University, Chennai.