

## Paper Publications in year 2013-14 (International Journal)

| Sr No | Title of the paper   | Authors             | Details  |
|-------|--|---------------------|--|
| 1     | Wear behaviors of single-layer and multi-layer coated carbide inserts in high speed machining of hardened AISI 4340 steel                                    | Satish Chinchanikar | Journal of Mechanical Science and Technology/ Vol. 27(5) (2013) 1451-1459. <i>Cited by 4 as on June 2015.</i>              |
| 2     | Investigation of chip-tool interface temperature during turning of hardened AISI 4340 alloy steel using multi-layer coated carbide inserts                   | Satish Chinchanikar | Advanced Materials Research/ Vol. 701 (2013) 354-358. <i>Cited by 6 as on June 2015.</i>                                   |
| 3     | Investigations on machinability aspects of hardened AISI 4340 steel at different levels of hardness using coated carbide Tools                               | Satish Chinchanikar | International Journal of Refractory Metals and Hard Materials/ Vol. 38 (2013) 124-133. <i>Cited by 21 as on June 2015.</i> |
| 4     | Hard turning using HipIMS-coated carbide tools: Wear behavior under dry and minimum quantity lubrication (MQL)   | Satish Chinchanikar | Measurement, Vol 55, Sept 2014, pp.536-548   |
| 5     | Characteristics of wear, force and their inter-relationship: In-process monitoring of tool within different phases of the tool life                          | Satish Chinchanikar | Procedia of Material Science, Elsevier, Volume-5, 2014, pp.1424-1433.  |
| 6     | Evaluation of chip-tool interface temperature: Effect of tool coating and cutting parameters during turning hardened AISI 4340 steel                         | Satish Chinchanikar | Procedia of Material Science, Elsevier, Volume-6, 2014, pp. 996-1005.  |
| 7     | Machinability assessment through experimental investigation during hard and soft turning of hardened steel   | Satish Chinchanikar | Procedia of Material Science, Elsevier, Volume-6, 2014, pp. 80-91.   |
| 8     | Behaviour of rarefied gas flow near the junction of a suddenly expanding tube  | Vijay Varade        | Journal of Fluid Mechanics , Cambridge University Press 2013/ Vol. 39, 2014, pp. 363-391.                                  |
| 9     | Experimental study of rarefied gas flow near sudden contraction junction of a tube   | Vijay Varade        | Physics of Fluids (1994-present) 26, no. 6 (2014): 062002  |
| 10    | Dry turning of AISI 304 austenitic stainless steel using AlTiCrN coated insert produced by HPPMS technique   | A. P. Kulkarni      | Procedia of Engineers/64, 737-746. <i>Cited by 5 as on June 2015.</i>  |
| 11    | Machinability studies of austenitic stainless steel (AISI 304) using PVD cathodic arc evaporation (CAE) system deposited AlCrN/ TiAlN coated carbide inserts | A. P. Kulkarni      | Procedia of Engineers/64, 907-914. <i>Cited by 2 as on June 2015.</i>  |
| 12    | Performance of multilayered PVD coated cemented carbide inserts during dry turning of AISI 304 austenitic stainless steel                                    | A. P. Kulkarni      | Advanced Materials Research/794, pp. 248 – 254 (September 2013)  |
| 13    | Investigation into the machinability characteristics of AISI 304 austenitic stainless steels using multilayer TiN/TiAlN coated cemented carbide inserts      | A. P. Kulkarni      | Journal of Manufacturing Engineering/8 (3), pp 178 - 182   |
| 14    | Heat Transfer enhancement in a diffuser using vortex generators placed in a side wall  | R. R. Kulkarni      | Journal of Mechanical Engineering/ Vol 3, No 4, August-October 2013  |
| 15    | The effect of vortex generators on pressure and skin friction in a diffuser  | R. R. Kulkarni      | International Journal of Mechanical Engineering and Robotics Research/ Vol 2, No 4, October 2013                           |
| 16    | Generation of Shelf Life Equation for  | A. D. Kale          | International Journal of Agriculture and   |

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|----|---|-----------------|--|
|    | Cauliflower.  |                 | Food Science/ ISSN 2249/3050 Vol. 5, Apr 2014  |
| 17 | A study of Some Nonparametric Models of MR Fluid damper for Vibration Control                                 | N. H. Ambhore   | International Journals of Current Engineering & Technology/ Vol.3, No.2 (June 2013), ISSN 2277 – 4106, (Impact Factor 1.27)                                |
| 18 | Experimental Analysis of Recirculation Type Solar Air Dryer   | P. S. Purandare | International Journal of Recent Scientific Research/ ISSN: 0976-3031, Vol. 4, Issue, 8, pp.1175- 1180, August, 2013  |
| 19 | Comparison of Multibody Dynamic Analysis of Double Wishbone Suspension using Simmechanics And FEA Approach    | A. R. Deshpande | International Journal of Research in Engineering and Science (IJRES)/ ISSN (Online): 2320-9364, ISSN (Print): 2320-9356 Vol.2 Issue 4 April. 2014 PP.31-37 |
| 20 | Modeling and PID control implementation on Double Wishbone suspension using multibody Dynamic Approach        | A. R. Deshpande | International Journal of Mechanical Engineering and Computer Applications/ Vol 1 Issue 7 December 2013 ISSN 2320-6349. <i>Cited by 1 as on June 2015.</i>  |
| 21 | Stress Analysis of Connecting Rod: A Review   | A. R. Deshpande | International Journal of Engineering Research & Technology (IJERT)/ ISSN: 2278-181, Vol. 3 Issue 2, Feb-2014   |
| 22 | Energy absorption characteristics of rib reinforced thin-wall extruded structure subjected to axial crush     | R. S. Ghogare   | Int. J. Vehicle Safety, Vol.7, Nos. 3/4, 2014  |
| 23 | Mathematical Modeling of an Automobile Damper   | N. B. Kate      | International Journal of Engineering Research, Vol.2, Issue 7, pp:467-471  |
| 24 | Experimental Study of Heat Transfer for Wavy Twisted Tape Insert of Various Pitches Placed in A Circular Tube | D. B. Nalawade  | International Journal of Innovative Research and Development, Feb 2014, Vol.3 , issue 2; ISSN 2278-0211  |
| 25 | Fuzzy logic modeling of heat transfer enhancement using various twisted wire inserts                          | D. B. Nalawade  | International Journal of Engineering and Technology Research / ISSN : 2278 – 6082, Vol 2 (2), Sep. 2013 (001-005)  |
| 26 | Performance Analysis of Wavy Twisted Tape Inserts for Heat Transfer in a Circular Tube                        | D. B. Nalawade  | International Journal for Technological Research in Engineering, Vol.1, Issue 6, Feb 2014; ISSN: 2347-4718   |
| 27 | Productivity enhancement for Spray Painting Process of Wheel Hub  | P. S. Purandare | Int Journal of Engg Research and Development, 2278-067X, vol 10, issue 5, May 2014, PP.61-64   |
| 28 | An Overview of Modal Analysis using Finite Element Method   | A. P. Kulkarni  | Int Journal of Scientific Research and Development, Vol.2, issue 3, ISSN:2321-0613.  |
| 29 | An Overview of Modal Analysis using Finite Element Method   | P. S. Purandare | Int Journal of Scientific Research and Development, Vol.2, issue 3, ISSN:2321-0613.  |

## Paper Publications in year 2013-14 (International Conference)

| Sr No | Title of the paper   | Authors          | Details   |
|-------|--|------------------|---|
| 1     | Developing Effective Industry Partnerships to Promote Learning and Entrepreneurship (Poster Presentation)                              | A. D. Kale       | International Conference on Transformations in Engineering Education, 16-18 January, 2014, Hubli ,Karnataka                               |
| 2     | A Study on Impact Perforation Resistance of Jute-Polyester Composite Laminates   | Ashok Mache      | SAE Technical Paper 2014-01-1055, 2014,/ doi:10.4271/2014-01-1055.  |
| 3     | Characteristics of wear, force and their inter-relationship : In-process monitoring of tool within different phases of the tool life   | Satish Chinchani | International Conference on Advances in Manufacturing and Materials Engineering at NIT Suratkal, India, 27th-29th March 2014 (AMME 2014). |
| 4     | Machinability assessment through experimental investigation during hard and soft turning of hardened steel                             | Satish Chinchani | International Conference on Materials Processing and Characterisation at GRIET Hyderabad, India, 8th-9th March 2014 (ICMPC 2014).         |
| 5     | Comparative evaluations of surface roughness during hard turning under dry and with water-based and vegetable oil-based cutting fluids | Satish Chinchani | International Conference on Advances in manufacturing and Materials engineering (AMME 2014, March 27-29, 2014                             |
| 6     | Comparative evaluations of surface roughness during hard turning under dry and with water-based and vegetable oil-based cutting fluids | A.V.Salve        | International Conference on Advances in manufacturing and Materials engineering (AMME 2014, March 27-29, 2014                             |

## Paper Publications in year 2013-14 (National Conference)

| Sr No | Title of the paper                           | Authors      | Details  |
|-------|--|--------------|--|
| 1     | Super Hydrophobic Coating                    | P. R. Anerao | National Conference on Emerging Trends in Mechanical Engineering held during 27 <sup>th</sup> and 28 <sup>th</sup> March, 2014 at JSPM's BNCOE, Pusad  |
| 2     | Microstereolithography: A Review             | P. R. Anerao | National Conference on Emerging Trends in Mechanical Engineering held during 27 <sup>th</sup> and 28 <sup>th</sup> March, 2014 at JSPM's BNCOE, Pusad. |
| 3     | The Active Magnetic Bearing                  | P. R. Anerao | National Conference on Emerging Trends in Mechanical Engineering held during 27 <sup>th</sup> and 28 <sup>th</sup> March, 2014 at JSPM's BNCOE, Pusad  |
| 4     | Augmented Reality                            | P. R. Anerao | National Conference on Emerging Trends in Mechanical Engineering held during 27 <sup>th</sup> and 28 <sup>th</sup> March, 2014 at JSPM's BNCOE, Pusad. |
| 5     | Use of Desuperheater in Refrigeration System | A.A.Somatkar | National Conference on Emerging Trends in MechEngg held during 27 <sup>th</sup> and 28 <sup>th</sup> March, 2014 at JSPM's BNCOE, Pusad.               |