



## Recent Journal Paper Publications

1. Ramakrishna Hegde, Shrikantha S.Rao, Dr.R.P.Reddy, "Critical heat flux enhancement in pool boiling using Alumina Nanofluids" *Heat transfer Asian Research*, Wiley- Blackwell, International Journal, 39(5), 323 – 331, 2010.
2. Ramakrishna Hegde, Shrikantha S.Rao, Dr.R.P.Reddy, "Pool boiling heat transfer characteristics and flow visualization of Al<sub>2</sub>O<sub>3</sub> - water nano-fluids", *International Journal of Mechanical and Automotive Engineers*, 8(3), 34-39, 2010.
3. Ramakrishna Hegde, Shrikantha S.Rao, Dr.R.P.Reddy, " A Comparative Study Of Heat Transfer Enhancement in Pool Boiling with CuO and Alumina Nanofluids" *International Journal of Nanotechnology and Applications*, 5(1), 2011, RI publications
4. Kapilan, N. and Dr.R.P.Reddy, ( 'Performance and emissions of a dual fuel operated diesel engine', *Int. J. Alternative Propulsion*, Vol. 2, No. 2, pp.125–134, 2012).
5. Ramakrishna Hegde, Shrikantha S.Rao, Dr.R.P.Reddy, " Studies on Nanoparticle Coating due to Boiling Induced Precipitation and Its Effect on Heat Transfer Enhancement on a vertical cylindrical surface", *Experimental thermal and Fluid Science*- Elsevier publications, 38, 229 –236, 2012 (2010 Impact factor 1.267, 5-Year Impact factor 1.572).
6. Ramakrishna Hegde, Shrikantha S.Rao, Dr.R.P.Reddy, "Experimental studies on CHF enhancement in pool boiling with CuO-water nanofluid", *Heat and Mass Transfer*, Springer- Verlag Publications, DOI 10.1007/s00231-011-0955-9, published online: 03 Jan 2012 (2010 Impact factor 0.673).
7. Ramakrishna Hegde, Shrikantha S.Rao, Dr.R.P.Reddy, "Investigations On Heat Transfer Enhancement In Pool Boiling With Water-CuO nanofluids" *Journal of Thermal Science*, Springer -Verlag publications, 21(2), 179 -183, 2012( 2010 Impact factor 0.212).
8. Ramakrishna Hegde, Shrikantha S.Rao, Dr.R.P.Reddy, "Experimental study on CuO nanoparticles and its effect on heat transfer on a vertical surface" *Journal of Mechanical Science and Technology*, Springer -Verlag publications, 25 (11) 2927~2934, 2011.
9. Ramakrishna Hegde, Shrikantha S.Rao, Dr.R.P.Reddy, "Boiling induced nanoparticle coating and its effect on pool boiling heat transfer on a vertical cylindrical surface using CuO nanofluids", *Heat and*

*Mass Transfer*, Springer - Verlag Publications, DOI 10.1007/s00231-012-0996-8, published online: 07 April 2012 ( 2010 Impact factor 0.673).

10. Vijaykumar.B.Chanshetty, Sangshetty.K, Sharanappa.G, “Surface Morphology Studies and Thermal analysis of V<sub>2</sub>O<sub>5</sub> doped polyaniline composites” Int.Journal of Engineering Research and Applications(IJERA) , Vol.2,Issue 5,Sept-Octo 2012, pp.611-616.
11. Sharanappa.Godiganur, R.P.Reddy, “Performance & emission study of rice brain oil methyl ester in a 4-stroke natural aspirated direct injection diesel engine”, International Journal ChemXpress vol 1(1), pp.16-22, 2012.
12. Anil Kumar Patil, Sharanappa Godiganur, Rana Pratap Reddy, “Biodiesel Fuel Production by Methanolysis of Fish Oil Derived from the Discarded Parts of Marine Fish”, International Journal of Scientific & Engineering Research, Volume 4, Issue 4, April-2013, ISSN 2229-5518.
13. Sharanappa.Godiganur, Ramesh M R, Pratap S Kulkarni, “Mahua(Madhuca Indica) As a Source of Biodiesel In India”, International Journal of Scientific & Engineering Research, Volume 4, Issue 7, July-2013, ISSN 2229-5518.
14. Sharanappa Godiganur, Santhosh N, Srikanth H V, Manjunath H N “Fish Oil Biodiesel as an Additive in Diesel Ethanol Blends for a Four Stroke Single Cylinder Diesel Engine”, International Journal of Engineering Research, Volume 2, Issue 9, September-2013, ISSN 2278-0181.
15. Raju B S, Chandra Sekhar U , Drakshayani D N , “Studies on Application of Rapid Prototyping for the Generation of Photo elastic Models & Experimental Analysis”, International Journal of Application in Engineering & Management (IJAEM), Vol. 2 (2) , Feb-2013.
16. Raju B S, Chandra Sekhar U , Drakshayani D N , “Web Based e- Manufacturing of Prototypes by Using Rapid Prototyping Technology”, International Journal of Mechanical Engineering & Technology (IJMET), Vol. 4 (2) , pp. 32-38, March-2013.
17. Raju B S, Chandra Sekhar U, Drakshayani D N , Chockalingam K ” Recent Trends in Rapid Product Development”, International Journal of Mechanical Engineering & Technology (IJMET), Vol. 4 (2) , pp. 21-31, March-2013.
18. Raju.B.S, Dr.U.Chandra Shekar, Dr.K.Venkateswarlu, Dr.D.N.Drakashayani and Dr.K.Chockalingam, “Studies On The Process Parameter Of Rapid Prototyping Technique (Stereolithography) For The Betterment Of Part Quality” Material & Design, Elsevier Accepted - in press Impact Factor 2.20 , ISSN: 0261-3069.
19. Raju B S<sup>1</sup>, Chandra Sekhar U<sup>2</sup>, Drakshayani D N<sup>3</sup>, “Optimization studies on improving the strength characteristic for parts made of photosensitive polymer”, Journal of The Institution of Engineers India, Springer-Accepted March-2013.
20. Manjunatha L.H. Dr.P.Dinesh, “Development & Study on Microstructure, Hardness and Wear Properties of as Cast, Heat Treated and Extruded CNT-Reinforced With 6061AL Metal Matrix Composites”, International journal(IJMET), Volume 3, Issue 3, Sept-Dec(2012), pp.583-598.(Impact factor(2012): 3.8071).
21. Manjunatha L.H. Dr.P.Dinesh, “Fabrication & Properties of Dispersed Carbon Nanotube-Al6061 Composites”, International Journal of Innovative Reserach in Science, Engineering & Technology, Vol.2, Issue 2, February 2013.

22. Manjunatha L.H. Dr.P.Dinesh, "Studies on Effect of Heat Treatment and Water Quench Age Hardening on Microstructure, Strength, Abrasive Wear Behaviour of Al6061-MWCNT Metal Matrix Composites", Journal of Academic Industry Research, Vol.1(10), March 2013.
23. Manjunatha L.H. Dr.P.Dinesh, "Novel Technique for Fabrication of Aluminum 6061-MWCNT(Multi-Walled Carbon Nano tube) Metal Matrix Composites", ARPN Journal of Engineering & Applied Sciences, Vol.8 No.3, March 2013.
24. Manjunatha L.H. Dr.P.Dinesh, Halesh S B, "Studies on Effect of Heat Treatment and Air Quench Age Hardening on Microstructure, Strength, Abrasive Wear Behaviour of Al6061-MWCNT Metal Matrix Composites", International Journal of Material Sciences & technology, Volume 3, Number 1(2013), pp.15-25, ISSN 2249-3077.
25. Mallikarjuna Reddy. D and Swarnamani. S. "Damage detection and identification in structures by spatial wavelet based approach". International Journal of Applied Science and Engineering. (Vol-10, 1, pp. 69-87, 2012).
26. Mallikarjuna Reddy. D and Swarnamani. S. "Application of the FRF curvature energy damage detection method to plate like structures", World Journal of modeling and simulation. Vol. 8, No. 2, pp. 147-153, 2012.
27. Mallikarjuna Reddy. D and Swarnamani. S. "Damage Identification multilevel building structure using empirical mode decomposition method", International journal of advances in science and Technology, Vol. 5, No. 1, 2012 (Accepted for publication)
28. Mallikarjuna Reddy. D and Swarnamani. S "Structural damage identification using signal processing method", Internal Journal of Advanced Structural Engineering(Submitted on November 23, 2012, review in process).
29. N Jegadeeswaran, M R Ramesh, K Udayabhat, "Wear Studies on Wrought and Heat Treated Nimonic, Titanium and Superco Superalloys", International Journal Applied Science Engineering Research (IJASER), February- May, Volume 1 Issue 2, 2012.Also Presented in International Conference on Advanced Materials (ICAM-2011) Proceedings held on 19th 20th of August 2011, Page No. 106.
30. N. Jegadeeswaran, K Udaya Bhat , M.R Ramesh "Oxidation Studies on As-received and HVOF Sprayed Stellite-6 Coating on Turbine Alloys at 800°C" International Journal of Scientific & Engineering Research, Volume 4, Issue 6, June-2013, Pg.no 214-220, ISSN 2229-5518.
31. N Jegadeeswaran, M R Ramesh, K Udayabhat, K.Prakrathi, "Hot Corrosion Behaviour of HVOF Sprayed Stellite-6 Coatings on Gas Turbine Alloys", Springer 2013 page no.87-93.
32. N Jegadeeswaran, M R Ramesh, K Udayabhat, "Hot Corrosion Studies on As received and HVOF Sprayed Al<sub>2</sub>O<sub>3</sub>+CoCrAlTaY on Ti-31 Alloy in Salt Environment", Elsevier, Procedia Engineering 64(2013) 1013-1019.
33. N Jegadeeswaran, M R Ramesh, K Udayabhat, "Combating Corrosion Degradation of Turbine Materials Using HVOF Sprayed 25% (Cr<sub>3</sub>C<sub>2</sub>-25(Ni20Cr))+NiCrAlY Coating", Hindawi Publishing Corporation, International Journal of Corrosion, Volume 2013, Article ID 824659 sept 2013.

34. H. G. Hanumantharaju, Dr. H. K. Shivanand, Dr. M. M. Benal , Shivasharanayya Swamy , Hemanth B, “Immersion Corrosion study of Uncoated SS316L, Coated SS316L, Uncoated Ti-6Al-4V, Coated Ti-6Al-4V, Uncoated Alumina, Coated Alumina, PEEK, PEEK with 30% glass filled, Polyurethane used as Biomaterials”, International journal of Mechanical engineering (IJME),2012.
35. Deepak G, MMM Patnaik, Shivasharanayya swamy, “Strength Analysis of Stents Used in Cardiovascular Implants Using Fe Tool”, International Journal of Innovative Research in Science Engineering & Technology, Vol.2, Issue 8, August 2013.
36. Naveen Y A, K .Ramesh and Vivek: “Use of carrier fringers in the Evaluation of Edge Residual Stresses in a glass plate by Photoelasticity”, Proceedings in the Joint International conference of the 2<sup>nd</sup> International Symposium on Experimental Mechanics, The 11<sup>th</sup> Asian Conference on Experimental Mechanics, 2012 Society for Experimental Mechanics Fall Conference and 7<sup>th</sup> International Symposium in Advanced Science & Technology in Experimental Mechanics (ISEM-ACEM-SEM-7<sup>th</sup> ISEM’12- November 8-11, 2012, Taipei).
37. Vijay Kumar S, K. V. Sreenivasa Rao, A. N. Khaleel Ahmed, “Experimental Investigation of Vortex flow Visualization using various fluids” in the International journal of advance and innovative research, IJAIR volume 2, Issue 4. pp 359-366 (ISSN:2278-7844)
38. Santhosh B D, Effective Batch Scheduling with Sequence Dependent Changeovers Using Reachability Analysis of Timed Automata Combined with Lower Bound Computations-accepted for 14<sup>th</sup> IFAC (International Federation of Automatic Control)Symposium on Information Control Problems in Manufacturing(INCOM 2012), held in Bucharest, Romonia, May 23-25, published in the official Symposium Proceedings by Elsevier(Volme 4, Part 1, Page 75-80). ISBN:978-902661-98-2.