

STAFF PAPERS

Academic Year: **2012-2013**

International Journals	National Journals	International Conferences	National Conferences	Total
28	4	9	3	44



DEPARTMENT OF MECHANICAL ENGINEERING
R.V.R & J.C COLLEGE OF
ENGINEERING

[Affiliated to Nagarjuna University, GUNTUR. A.P]
Chowdavaram, GUNTUR – 522019. :: AP :: INDIA :::

IJ:

1. **J.P.Karthik , K.L.Chaitanya , C.Tarasasanka**, “ *Fatigue life prediction of a parabolic spring under non – constant amplitude proportion loading using finite element method*”, International Journal of Advanced Science and Technology , Vol 46 , September 2012. Pp:143-156.
2. **J.P.Karthik , K.L.Chaitanya , C.Tarasasanka**, “*Life assessment of a parabolic spring under cyclic stress & cyclic strain loading using finite element method*”, International Journal of Mechanical and Industrial Engineering(IJMIE), Vol -2 , Issue-1, 2012. Pp:36-43. ISSN: 2231-6477.
3. **Reddy Srinivasulu** , Ch. Srinivasa Rao , “ Application of grey relational analysis for surface roughness and roundness error in drilling of Al 6061 alloy”, international journal of lean thinking , Vol 3 Issue 2 (December 2012) pp:67-78. ISSN : 2146-0337.
4. **Reddy Srinivasulu**, “ Simulation of Desired end point trajectory for a 2dof planar manipulator”, International journal of advanced scientific and technical research, Issue 2 volume 5 October 2012 page 688-696. ISSN : 2249-9954.
5. **Reddy Srinivasulu** , Ch. Srinivasa Rao , “ Determination of optimal combination of drilling parameters to minimize the burr height and thickness for Al6061 alloy using grey relational analysis”, international journal of advances in Sciences and technology , Vol 5 Issue 4 2012 October issue pp:09-16. ISSN : 2229-5216
6. **Dr. Goteti chaitanya , Dr. Kolla Srinivas** , “ Multi objective evolutionary optimization techniques based on non domination principle - A Review” , International journal of advanced scientific and technical research , Issue 2 , Vol 5 , October 2012 pp:563-572 ISSN : 2249-9954.
7. **C.Tara Sasanka ,V.Rama Koteswara Rao, K.Ravindra**,Ch. Tirumala rao “ *Prediction of transient response of isotropic and laminated cylindrical shells using ANN* ”, International Journal of Technological synthesis and Analysis, Vol 1 Issue 1 Decmber 2012. Pp:1-6. ISSN: 2320-2386.
8. **Reddy Srinivasulu** , Ch. Srinivasa Rao , “ Design of Experiments based Grey relational Analysis in various machining Processes – A Review”, Research Journal of Engineering Sciences , Vol 2(1) January 2013 pp:21-26. ISSN : 2278--9472
9. **Bhuvanagiri Ravi Sankar**, Damera Nageswara Rao, Chalamalasetti Srinivasa Rao “*Experimental investigation on stability of Al₂O₃- Water Nanofluid using response surface methodology*”, International Journal of NanoScience and Nanotechnology, Volume 3, Number 3 (2012), pp. 149-160. ISSN: 0974-3081.
10. **Ravi Sankar.B**, Nageswara Rao .D ,Srinivasa Rao.Ch, “*Nanofluid Thermal conductivity-A Review*” International Journal of Advances in Science and Technology, Volume 3, Number 3 (2012). ISSN : 2231-1963.
11. M. Gopi Krishna, K.K.Kishore, **K. Praveen Kumar**, J. Babu Rao & N.R.M.R. Bhargava, ‘Studies on Deformation Behaviour of A356/Al-20Cu-10Mg Particulate Composite Metallic Materials’ International Journal of Engineering Research & Technology (IJERT), Vol. 1 Issue 10, December- 2012. ISSN: 2278-0181. PP:1-6.

12. V.Suresh Babu, **C.Tara Sasanka & K. Ravindra**, “*Failure And Stress Analysis Of GFR Laminated Composite Pinned Joints*”, published in International Journal of Mechanical and Production Engineering (IJMPE) ISSN No.: 2315-4489, Vol-2, Iss-1, 2013.
13. **C.Sriniavas** , Naveen Ravela , **V.C.Das , D.Sameer Kumar** , “ *study of the effect of processing time of buffer size in a Flexible manufacturing System*” , International Journal of Advanced Manufacturing Systems(IJAMS), Vol 4 , No 1 , Jan – Jun 2013 , pp 53-59.
14. **V.Chittaranjan Das**, Mahesh Mallampati, “ Optimization Of Cutting Parameters As Speed, Feed & Depth Of Cut Based On Surface Roughness In Turning Process Using Genetic Algorithm (Ga) And Particle Swarm Optimization (Pso), International Journal of Engineering Research & Technology (IJERT) Vol. 1 Issue 7, September - 2012 ISSN: 2278-0181.
15. G. Suresh Babu, **Dr. V. Chittaranjan Das** “Conditon Monitoring and Boiler Analysis of Feed Pump” International Journal of Scientific and Research Publications, Volume 3, Issue 6, June 2013 1 ISSN 2250-3153.
16. **Reddy Sreenivasulu & Ch.Srinivasa Rao**, Application of Grey Based - Taguchi Method to Determine Multiple Performance Characteristics in Drilling of Aluminium Alloys – Review, Research Journal of Engineering Sciences(International Science Congress Association) ISSN:2278-9472, Vol. **2(3)**, PP 45-51, March **(2013)**.
17. **Reddy Sreenivasulu & Ch.Srinivasa Rao**, ”Experimental investigation on influence of Nano fluids in drilling of Al6061 alloy using Grey based-Taguchi Approach”, Special issue of International journal of Advanced Materials Manufacturing& Characterization (ISSN:2277-3886), Vol. **3(1)**, PP 407-412, March, **2013**.
18. **Reddy Sreenivasulu & Ch.Srinivasa Rao**, ”Modeling and Optimization of Thrust Force and Torque during Drilling of Aluminum 6061 alloy using Taguchi-Grey Analysis Approach”, Special issue of International journal of Advanced Materials Manufacturing& Characterization (ISSN:2277-3886),Vol. **3(1)**,PP 413-418,March, **2013**.
19. **Reddy Sreenivasulu, Mandava Ravikumar** “Aero Space Applications of GFRP Composites: Review’ Special issue of International journal of Mechanical Engineering Research (IJMER), ISSN: 2249-0019, PP 10-14, Vol 3(1) Spl, March **2013**.
20. **Srinivasarao,G.** and Neelakanteswararao, A., ‘ Comparison of central composite and orthogonal array designs for cutting force and surface roughness prediction modeling in turning’, **International Journal of Materials and Production Technology**, Vol. 43, No.1-4, 2012, 144-164.
21. Venkata Siva S. B, **G. Srinivasaorao**, Mahesh Kumar M, ‘Study of phase transformations in EN8 steel material using acoustic emission technique’ – **International Journal of Applied Sciences and Engineering Research**, Vol. 3, No.3, 2012, 541-550.

22. **Srinivasarao.G** and Venkatasiva S.B., “Performance evaluation of carbide inserts on surface roughness in hard turning using mathematical modeling” *International Journal of Applied Sciences and Engineering Research*, Vol.2. No.2. pp.107-118, 2013.
23. **G. Chaitanya , Srinivas.K , Kumar J. Suresh ,** “ Effect of Fiber Orientation on Mode I Crack Opening Stress Intensity of an Orthotropic Laminate” , *Research Journal of Engineering Sciences ,* ISSN : 2278-9472 , Vol.2(5) , pp : 30-34 , May 2013.
24. **N.Surekha , Dr. K. Srinivas , Ch. Devaraj , K. Sreekanth ,** “Optimization of Principal dimensions of radial flow gas turbines using GA” , *International Journal of Scientific and Engineering Research (IJSER)* , Vol 3 Issue 12 December 2012 ISSN:2229-5518 pp:1-6
25. **DVV Krishna Prasad , JP Karthik ,** “Prediction of Leaf spring parameters using ANN” , *IJEST (International Journal of Engineering Science and Technology) ,* VOL 5, No 5 May 2013 , ISSN : 0975-5462 , pp:1064-1069 .
26. **D.V.V. Krishna Prasad and K. Bharathi ,** “Multi-Objective Optimization of Milling Parameters for Machining Cast Iron on Machining Centre” , *Research Journal of Engineering Sciences ,* ISSN 2278 – 9472 ,Vol. 2(5), 35-39, May (2013)
27. **K. Srinivas et al ,**” Effect of processing parameters on Surface finish of the components processed by CNC Turning Machine”, *International Journal of Mechanical Engineering applications Research* , Vol 4 Issue 1 Jan-Mar 2013.
28. **Dr.Govind.N, Dr.Ravindra.K, Dr.Nageswara Rao Damera and Dr.Ramanaiah.N**“Fabrication and Study of the Mechanical Properties of AA2024 Alloy Reinforced with B4C Nano-particles using Ultrasonic cavitation method” *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)*e-ISSN: 2278-1684, p-ISSN: 2320-334X, Volume 7, Issue 1, June 2013, pp-01-04’.

NJ :

1. **Chittaranjan Das.V, Srinivas. C,** “Evaluation of Metal Strip-Layout Selection using AHP and TOPSIS Method” *Advanced Materials Manufacturing & Characterization* Vol 3 Issue 1 (2013).
2. **Chittaranjan Das, V., Devaraj, Ch,** “Machinability Index Evaluation using AHP and PROMTHEE Method,” *Advanced Materials Manufacturing & Characterization* Vol3 Issue 1 (2013)
3. **V.Chittaranjan Das** “ Ranking of metal stamping layouts using MADM methods” *ANU Journal of Engineering & Technology*, Vol. 2 Issue 1 Feb,2013 pp 81-85. ISSN No: 0976-3414.
4. **Ch. Tirumala Rao , C.Tara Sasanka , K. Ravindra, J. Suresh Kumar,** “ Vibration Analysis of functionally graded materials using Higher order theories” , *ANU Journal of Engineering & Technology*, Vol. 3 Issue 1 & 2 June-December 2012 pp 147-162. ISSN No: 0976-3414

IC:

1. V.Suresh Babu , **C.Tara Sasanka** , **K.Ravindra**, “ *Failure and stress analysis of GFR Laminated Composite pinned joints*”, published in the proceedings of International Conference on Mechanical and Industrial Engineering(ICMIE), pune on 15th July, 2012. Pp:149-155. ISBN: 978-93-81693-74-2.
2. **J.P.Karthik** , **K.L.Chaitanya** , **C.Tarasasanka**, “*Life assessment of a parabolic spring under cyclic stress & cyclic strain loading using finite element method*”, published in the proceedings of International Conference on Mechanical and Industrial Engineering(ICMIE), Bangalore on 22nd July, 2012. Pp:44-50. ISBN: 978-93-81693-70-4.
3. **N.V.V.S. Sudheer** , K.V.J. Rao , N. Rajesh , “ Effect of Carburizing flame and oxidizing flame on surface roughness in turning of Aluminium Metal matrix composites” , 4th International AIMTDR Conference , Jadavpur University, Kolkata, Dec 14th- 16th 2012, PP:266-271
4. **C. Srinivas** , K.Ramji, B.Satyananarayana, R.Naveen “ A Comparative study of GA and ACO Applied to Large size FMS ” , 4th International AIMTDR Conference , Jadavpur University, Kolkata, Dec 14th- 16th 2012, PP:854-860.
5. **Ramgopal Reddy. B** , Siva K , Vinay Kumar M, Abbas Shareef Sk , “ Investigation of mechanical properties of rice straw fiber reinforced polymers” , 4th International AIMTDR Conference , Jadavpur University, Kolkata, Dec 14th- 16th 2012, PP:205-209.
6. **C.Sriniavas** , Naveen Ravela , **V.C.Das** , **D.Sameer Kumar** , “*A study of processing time on the effect of buffer size in a Flexible manufacturing System*” , at ISCI - 2013(International Simulation conference of India) at IITM, Chennai during 21st – 23rd February 2013. Paper No : 2
7. **Srinivasarao,G.** and Neelakanteswararao,A., ‘Effect of Nano cutting fluid on surface roughness in hard turning’, Accepted to present and publish in the 4th International & 25th **AIMTDR** conference, December,2012.
8. Venkata Siva S. B., **G. SrinivasaRao**, and K. L. Sahoo “Tribological Studies of Al- based Composite: Developed from a Waste Material” Proceedings of the 3rd International Conference on Mechanical, Automotive and Materials Engineering (ICMAME'2013), Organized by Planetary Scientific Research Centre (PSRC)Singapore, 29-30th April, 2013, 134-140.
9. Venkata Siva SB , KL Sahoo , SK Singh , RR Dash , RI Ganguly , **G. Srinivasarao** , “ Development of Aluminium metal matrix composite using colliery shale : A waste from Indian Coal mines” , Proceedings of International Conference on Powder Metallurgy & Particulate Materials , Nashville , Tennessee , USA , 10th – 13th June 2013.

NC :

1. K.Pavan Kumar Reddy , **Kolla Srinivas** , **Ch. Devaraj** , “ Multi objective Optimization of the surface roughness and MRR in turning operations using gray based taguchi method” , Proceedings of NACME organized by Vignan University , Vadlamudi in April 2013.

2. **Reddy Sreenivasulu, Mandava Ravikumar** presented a paper titled “Aero Space Applications of GFRP Composites: Review “at National Conference on Innovative Paradigms in Engineering and Technologies (NCIPET-2013), Organized by SBJITM&R. Nagpur on 17 Feb, 2013.
3. **V. Ramakoteswara Rao** , N. Ramanaiah , MMM Sarcar , “ Fabrication and Characterization of Stir Cast TiC Reinforced Aluminum (Al7075) metal matrix composites” , Proceedings of National Conference for researchers in Latest Innovations in Mechanical Engineering , Organised by Dept of Mechanical Engineering ,Andhra University , Visakhapatnam Supported by TEQUIP – II , Pp : 104-107 , ISBN 978-81-909853-4-5 on 28th April 2013.