



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF MECHANICAL ENGINEERING

JOURNAL PUBLICATIONS

A.Y: 2017-18

1. An experimental study on the effect of nanoparticles with novel tamarind seed methyl ester for diesel engine applications, V. Dhanaraju, P.S. Kishore, K. Nanthagopal, B.Ashok, Energy onversion and Management 164, (2018), 655-666, 0196-8904.
2. Effect of exhaust gas recirculation on performance and emission characteristics of a diesel Engine fuelled with tamarind biodiesel, V. Dhanaraju, P.S.Kishore, International Journal of Ambient Energy (Taylor & Francis), Jan. (2018), 2162-8246. doi.org/10.1080/01430750.2017.1421579.
3. Effect of fuel additives in Tamarind seed methyl esters Biodiesel fuelled diesel engine, V.Dhanaraju, P.S.Kishore, International Journal of Mechanical Engineering & Technology 9, (2018) 959-968, 0976-6340.
4. Effect of Twin-Pin profile tool on the Microstructure and mechanical properties of friction stir welded Dissimilar AA2024 and AA6061 Aluminium Alloys, Ch.Ratnam, B.Sudheer Kumar, K.N.D.Malleswara Rao, International Journal of Mechanical Engineering and Technology, 9(3), (2018), 946 – 953, 0976-6340.
5. Parametric optimization of EDM on Hast elloy C-276 using Taguchi L18 Technique, Shaik Khadar Basha, Murahari Kolli, M.V.Jagannadha Raju, International Journal Engineering and Technology (UAE), (2018), 1793-8236.
6. Experimental studies on natural aspirated diesel engine Fuelled with corn seed oil methyl ester as a bio-diesel, E.R.K. Reddy, V.Dhana Raju, IOP Conf. Series: Materials Science and Engineering, Vol. 330, (2018) 012104.
7. Experimental study of electrical discharge machining of Inconel X-750 using Tungsten copper electrode, Shaik Khadar Basha, M.V.Jagannadha Raju, K. Murahari, Materials Today: Proceedings - ELSEVIER, 5, (2018), 6134-6148, 2214-7853.
8. Three Dimensional Finite element analysis of thin hybrid FRP skew Laminates for thermo elastic behaviour of different Materials, B.Susmitha, K.Durga, K.N.D.Malleswara Rao, K.V. Ravisankar, K. Narayana and Sp.Krishna Mithra, Materials Today: Proceedings-ELSEVIER, 5, (2018), 2214-7853.
9. A CFD Investigation of Heat transfer Enhancement of shell and tube Heat exchanger using Al_2O_3 -water Nanofluid, K.Somasekhar, K.N.D.Malleswara Rao, V.Sankara Rao, Raffi Mohammed, M.Veerendra and T.Venkateswara Rao, Materials Today: Proceedings-

ELSEVIER, 5, (2018), 4592-4600, 2214-7853.

10. Optimization of Residual Stresses in Hard tuning of super alloy Inconel 718, G. Kartheek, Kolla Srinivas, Ch.Devraj, Materials Today: Proceedings-ELSEVIER, 8, (2017), 0976-6340.
11. Some experimental studies on effect of exhaust –gas recirculation on performance and emission characteristics of a compression ignition engine fuelled with diesel and lemon – peel oil blends, A.Naresh Kumar, K.Brahma Raju, P.Srinivas Kishore, K.Narayana, Materials Today: Proceedings-ELSEVIER, 5, 2018, 1194-1200, 2214-7853.
12. Procuring Magnetic field to liquid channel of Nano lubricant (CuO & PAG oil) rigged VCR system by using R134a Refrigerant, K.Dilip Kumar, Materials Today Processing and characterization, 5(9), Part 3, Elsevier, 2018, 2214-7853.
13. Engine Isolation angular mount with different types of Elastomers, Sudheer Kumar battula, Materials Today Processing and characterization, 5(9), Part 3, Elsevier, 2018, 2214-7853 Elsevier, 2018, 2214-7853.
14. Influence of Heat Treatment on Mechanical and Micro Structural Properties of Titanium Alloys for Enhanced Applications, K. Sai Sarathi, I. Dakshina Murthy, R. Subbarao, Ravi Gujjula, Materials Today Processing, 4 (8), Elsevier, 2017, 2214-7854.
15. Fatigue and Wear Behaviour of Al-10Si-2.5Cu Alloys, P.V.Chandrasekhar Rao, K.G.Basava Kumar, Indian Foundry Journal, 64(4) (2018) 39-44.
16. Green synthesis of Zinc oxide Nano particles using extracts of ocimumtenuiflorum and its characterization, K.Dilip Kumar, K.Narayana, K.Appa Rao, Journal of Nanoscience, Nano engineering & Applications, 8(1), (2018), 2321-5194.
17. Design and development of seed sowing AGROBOT, A. Nageswara Rao, S.Pichi Reddy, N.Raju, Journal of Emerging Technology and Innovation Research, 5(5) (2018), 783-787, 2349-5162.
18. Fatigue Behaviour of Al-Si Alloys Subjected to Reversed Bending, P.V. Chandrasekhar Rao, S. Pichi Reddy, Journal of Manufacturing Engineering, 12(4), (2017) 218-223, 0973-6867.
19. Optimization of performance of Water-Lithium Bromide Refrigeration system by second Law analysis using MATLAB, P.Tharun Sai, K.Appa Rao, International Journal of Advanced engineering and Research development, 5 (2018) 2348-6406.
20. Influence of parameters on safe design of leaf spring for static and dynamic loading using Finite Element Analysis, Jonnala Subba Reddy, International journal of Advanced Engineering and Research development, 5, 2018, 2348-6406.
21. Design and FEA Analysis of Shafting system in a Fleet Support vessel16, J.Venkata Somi reddy, P.V.D.Vivek Kumar, Mallikarjuna Rao Dandu, International journal of Advanced engineering and Research development, 5, 2018,2348-6406.

22. A Comprehensive review on Friction stir welding of aluminium alloys, Ch.Ratnam, B.Sudheer Kumar, K.N.D.Malleswara Rao, International journal of Advanced engineering and Research development, 5, 2018, 2348-6406.
23. Sintering Characteristics of Al-2.3% Cu-1.6% Mg-Fly ash Metal Matrix composites, Seelam Pichi Reddy, Murahari Kolli, K.Narayana, P.Sandeep Kumar, International journal for research in Applied science & engineering and technology, 6, 2018, 2321-9653.
24. Experimental studies on EDM of Al 7075/B4c/Gr Hybrid composite using RSM Box-Behnken Approach, Naresh Kolli, Tirumala Rao Chinka, Murahari Kolli, International journal for research in applied science & Engineering technology, 5, 2017, 2321-9653.
25. Improving energy efficiency of a vapour compression refrigeration system using a phase change material, Mallikarjuna Rao Dandu, Dr.P.Vijay Kumar, J.Venkata Somi Reddy, International Journal of creative research thoughts, 6, 2018, 2320-2882.
26. Effect of Fiberabgle on Interlaminar stresses of FRP angle Ply Laminate, Siva Sankar Babu Ch, Viswandh K.V, Venkateswara Rao.T, Sudheer Kumar.B, International Journal of creative research thoughts, 6, 2018, 2320-2882.
27. A Comprehensive review on the finite element analysis of mechanical components, B.Udaya Lakshmi, K.N.D.Malleswara Rao, V.Sankara Rao, International Journal of creative research thoughts, 6,2018 2320-2882.
28. CFD analysis of Mixed Ejector, D.Kameswara Rao, Dr.P.Vijay Kumar, International journal for science and advanced research in technology, 3,2017, 2395-1052.
29. Performance and Emission Characteristics of CI engine fuelled with Mango seed and Jatropha Biodiesels, T.Lakshman Kumar, Dr.P.Ravindra Kumar, International Journal for Science and Advance Research in Technology, 3, 2017, 779-783, 2395-1052.
30. Performance analysis of VCR system by applying Magnetic field to liquid line using R134a Refrigerant, G.V.V.S.V.Vara Prasad, Dr.K.Dilip Kumar, International Journal for Science and Advance Research in Technology, 3, 8,2017, 2395-1052.
31. Characteristic comparison of the start-up performance of various working fluids in a Heat pipe at different lengths at different angles, S.Ashok, K.Lakshmi Prasad, International journal for science and advance research in technology, 3, 2017, 2395-1052.
32. Experimental investigation of the copper oscillating Heat pipe using Nano fluid, J.N.V.M.Vamsi Krishna, K.Lakshmi Prasad, A.V.V.R.Prasad Y, International journal for science and advance research in technology, 3, 2017,2395-1052.
33. Experimental studies on diesel engine fuelled with Cashew nut shell oil as an Alternative fuel, G.V.V.N..Sivanjaneyulu, V.Dhanaraju, International journal of engineering sciences and Research technology, 2017, 2277-9655.
34. Experimental investigation on diesel engine using Linseed oil and Sunflower+coconut oil methyl esters, B.Rajsekhar, Dr.K.Appa Rao, International journal for research in science engineering & technology, 4, 2017, 2394-739X.

35. CFD analysis of a closed loop pulsating Heat pipe using water and Methanol, B.Prakash, Dr.P.Vijay Kumar, International journal of current research in Engineering and Technology, 1, 2017.
36. Heat transfer analysis by simulation on corrugated plate Heat exchanger, B.Sree Chaitanya, Dr.P.Vijay Kumar, International journal for research in science engineering and technology, 4, 2017, 2394-739X
37. Performance of Air power engine powered with compressed Air and engine exhaust Gas, A.S.Venkateswara Rao, Dr.P.Ravindra Kumar, Dr.P.Vijay Kumar, International journal of Innovative research in technology, 4, 2017, 2349-6002.
38. Simulation and performance analysis of solar parabolic trough collector, M.Kusuma Kumari, Dr.P.Ravindra Kumar, International journal Thermal Energy and applications, 3, 2017.
39. Simulation of stress distribution in Leaf spring variable parametric and loading conditions, Jonnala Subba Reddy, M.Bhavani, J. Venkata Somi Reddy, International journal of Engineering research and technology, , 7,2018, 0974 –3154.
40. CFD analysis and experimental investigation on Ranque-Hilsch counter flow vortex tube for optimizing tube length by using compressed air, Sk.Nayeem, Dr.K.Dilip Kumar, International journal of mechanical dynamics and analysis, 3, 2017.
41. Performance analysis of vortex tube refrigerator, Sk.Nayeem, Dr.K.Dilip Kumar, International journal for research in science Engineering and technology, 4, 2017, 2394-739X.
42. Performance enhancement of vapour compression refrigeration system by using solar thermoelectric Sub-cooler, M.Ravikiran, Dr.K.Dilip Kumar, Journal of Refrigeration, Air conditioning, Heating and ventilation, 4, 2017, 2394-1952.
43. Performance enhancement of R-134a refrigeration cycle by using solar peltier sub cooler, M.Ravikiran, Dr.K.Dilip Kumar, International journal Thermal Energy and applications, 3, 2017.
44. Experimental studies on Four stroke diesel engine fuelled with Tamarind seed oil as potential alternative fuel for sustainable green Environment, V.Dhanaraju, P.S.Kishore, K.Yamini, European Journal of Sustainable Development, 10, 2018, 2542-4742.
45. Flexural Properties of Bamboo Fiber Reinforced Hybrid Composite, T.Venkateswara Rao, K.N.D.Malleswara Rao, V.Sankar Rao, B.Sudheer Kumar, International journal of Innovative research in technology, 4-Issue 8, 2018, 2349-6002.
46. Effect of operational Temperatures in Efficiency of shell and Tube Heat Exchanger, Kamala Priya.B, International journal of scientific & Engineering Research, 8, 2017, 2229-5518.
47. Performance of Air Power Engine Fueled with Oxygen Gas, Compressed Air and Engine Exhaust Gas, S.Venkateswara Rao, Dr.P. Ravindra Kumar, International Journal of Thermal Energy and Applications, 3, 2017.

48. Fabrication and performance analysis of Prototype PEM Fuel cell Hybrid vehicle, S.Rami reddy Mallikarjuna Rao Dandu, A V V R Prasad Y, International Journal of Engineering and Techniques, 2018.
49. Processing and Characterization of Sn O₂ thin film fabricated mechanism for suitability of sensor applications, Jonnalasubbareddy, M.Bhavani, G.Kartheek, J. Venkatasomi Reddy, P. Sandeep Kumar, International Journal of Advance Engineering and Research Development, 2018.
50. Optimization of a product mix in a paper mill – a case study, Jonnala Subba Reddy, M.Bhavani, G.Kartheek, J. Venkata somi Reddy, International Journal of Advance Engineering and Research Development, 2018.
51. Performance of Air Power Engine Fuelled with Oxygen Gas, Compressed Air and Engine Exhaust Gas, S.Venkateswararao, Dr.P. Ravindra Kumar, International Journal of Thermal Energy and Applications, 2017.
52. Performance and Emission Characteristics of CI engine fuelled with Mango seed and Jatropha Biodiesels, Tumma, Lakshman kumar, Dr.P.Ravindra kumar, International journal for science and advanced research in technology, 2017.

Type of journal	SCI	Scopus	Others	Total
No. of publications	01	13	38	52