



LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

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DEPARTMENT OF MECHANICAL ENGINEERING

Journal Publications for the A.Y. 2018-19

S.No	Title of the the paper	Name of the author/s	Name of journal	Year of publication	ISBN/ISSN number
1	Investigation of Mechanical/Tribological Properties of Composite Ersatz Articular Cartilage with Nano Fillers	K. N. D. Malleswara Rao, R. Praveen Kumar, T. Venkateswararao, B. Sudheer Kumar and G. Babu Rao	Advances in Materials and Metallurgy, Lecture Notes in Mechanical Engineering, https://doi.org/10.1007/978-981-13-1780-4_37	August 2018	2195-4356 (Scopus)
2	Experimental performance analysis of solar heat pipes	N. Naresh babu, P.Ravindra Kumar, K.Lakshmi Prasad, N.Sudheer	International journal of Management, Engineering and Technology	July 2018	2249-7455 (UGC)
3	Performance study of Spiral Heat exchanger	Motupalli Anil, K.Lakshmi Prasad, A.Naresh Kumar	International journal for research in Engineering application and Management	July 2018	2454-9150 (UGC)
4	Experimental analysis of jet impingement on aluminium heat sink	Esub Basha, K.Lakshmi Prasad, G.kartheek, K.V.Viswanath	International journal of mechanical engineering and technology	July 2018	1129-1140 (Scopus)
5	Numerical investigations of optimal distribution of discrete heat sources under natural convection	Maganti Sairam, Mr.R.Veeranjaneyulu and Dr. Pullarao Muvvala	International Journal of Mechanical Engineering and Technology	July 2018	0976-6340 (Scopus)
6	Numerical investigations of the effect of impingement plate parameters on jet impingement heat transfer from a flat plate	Mr.R.Veeranjaneyulu, Mr.Maganti Sairam, Dr.Pullarao Muvvala	International Journal of Management, Technology and Engineering	July 2018	2249-7455 (UGC)
7	Influence of injection timing on the performance, combustion and emission characteristics of diesel engine powered with tamarind seed biodiesel blend	M. HarunKumar, V. Dhana Raju, P. S. Kishore & Harish Venu	International Journal of Ambient Energy	August 2018	0143-0750 (Esci)
8	Optimization of intake parameters for	P.S. Kishore, V. Dhana Raju &	International Journal of	August	0143-0750



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	diesel engine fuelled with diesel-tamarind seed methyl ester biodiesel blend by Taguchi method	Murahari Kolli	Ambient Energy	2018	(Esci)
9	Comparative Performance Analysis of Domestic Refrigerator using R12, R134a and R600a Refrigerants	S.Umamaheswara Reddy , V.Dhana Raju, P.TharunSai	International journal of research and analytical reviews	July 2018	<i>e ISSN</i> 2348 –1269, <i>Print ISSN</i> 2349-5138 (UGC)
10	Performance analysis of vapour compression refrigeration system by inserting twisted strip in condenser along with liquid suction heat exchanger	A.Pratyush, Dr.K.Dilip kumar, Dr.K.Apparao	International journal for research in Engineering application and Management	July 2018	2454-9150 (UGC)
11	Shock and vibration prevention using Angular mounts with different types of oil-based elastomers	Sudheer kumar Battula, P.Rama Murthy Raju, Ch.Ratnam	Advances in Materials and Metallurgy, Lecture Notes in Mechanical Engineering, https://doi.org/10.1007/978-981-13-1780-4_37	August 2018	2195-4356 (Scopus)
12	Experimental analysis of vapour compression Refrigeration system with R134a and R404a mixed in different proportions	M.Venkata Krishna Reddy, Dr.P.Vijay Kumar	International Journal of Mangement, technology and Engineering	July 2018	2249-7455 (UGC)
13	Development of phase change material/cooling plate coupled battery thermal management system using CFD	D.Omkar, Dr.P.Vijay kumar	International journal for research in Engineering application and Management	July 2018	2454-9150 (UGC)
14	An Experimental study on Active solar still connected with Evacuated tubes and Reflector	K.Anji Reddy, Dr.K. Dilip kumar	International Journal of scientific research and review	July 2018	2279-543X (UGC)
15	Procuring Magnetic field to liquid channel of Nano lubricant (CuO&PAG oil) rigged VCR system by using R134a Refrigerant	Gudlavalleti V V S Vara Prasad, K.Dilip Kumar	Materials Today proceedings	August 2018	2214-7853 (Scopus)



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16	Engine Isolation angular mount with different types of Elastomers	Sudheer Kumar battula , Rama Murthy Raju R, Ratnam CH	Materials Today proceedings	August 2018	2214-7853 (Scopus)
17	Combined impact of EGR and Injection pressure in performance improvement and NOx control of a DI diesel engine powered with tamarind seed biodiesel blend	Dhanaraju Vallapudi , Harun kumar Makineni, Srinivas Kishore Pisipaty, Harish Venu	Environmental science and Pollution Research	October 2018	0944-1344 (SCI)
18	Innovative Technique to calculate Optimal cure time of Elastomeric Compound for Angular Mounts Using Dynamic Mechanical Analysis	Sudheer Kumar Battula , Rama Murty Raju, Ratnam.CH	Journal of Advanced Research in Dynamic and Control systems	October 2018	1943-0023X (Scopus)
19	Vibration Analysis on Engine Elastomeric Angular Mount	Sudheer Kumar Battula , Rama Murty Raju, Ratnam.CH	International Journal of Mechanical and Production Engineering Research and Development	December 2018	2249-6890 (P), 2249-8001 (E) (Scopus)
20	Damage Identification of Fixed-Fixed beam using Normalized frequency zones	Siva Sankara Babu Chinka , Balakrishna Adavi, Srinivasa Rao Putti	Journal of Advanced Research in Dynamic and Control systems	September 2018	1943-0023X (Scopus)
21	Engine Parametric optimization of palm oil Biodiesel as alternative fuel in CI engine	Akula Naresh Kumar , Pisipaty Srinivas Kishore, Kalidindi Brahma Raju, Nanthagopal Kasinantham, Ashok Bragadeshwaran	Environmental science and Pollution Research	October 2018	0944-1344 (SCI)
22	Eichhorniacrassipes biodiesel as a renewable green fuel for diesel engine applications: Performance, combustion and emission characteristics	Harish Venu, Dhinakaran Venkataraman, Prince Purushothaman, Dhanaraju Vallapudi	Environmental science and Pollution Research	March 2019	0944-1344 (SCI)
23	Combined effect of influence of nano additives, combustion chamber geometry and injection timing in a DI diesel engine fuelled with ternary (diesel-biodiesel-ethanol) blends	Harish Venu, V.Dhanaraju , Lingesan Subramani	Energy	February 2019	0360-5442 (SCI)
24	Emission reduction in a DI diesel engine	Harish Venu, Lingesan Subramani,	Renewable Energy	March	0960-1481



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	using exhaust gas recirculation (EGR) of palm biodiesel blended with TiO ₂ nano additives	V.Dhanaraju		2019	(SCI)
25	Influence of injection timing on torroidal re-entrant chamber design in a single cylinder DI engine fuelled with ternary blends	Harish Venu, V.Dhana Raju , Lingesan Subramani	Heat and Mass Transfer	May 2019	0947-7411 (SCI)
26	Effect of Reinforcement on compacting characteristics of Aluminium/10-Al ₂ O ₃ /Fly ash Metal Matrix composite	Dr.Seelam Pichi Reddy , Dr.P.V.Chandra sekhar Rao , Dr.Kolli Murahari	Journal of Testing and Evaluation	April 2018	0090-3973 (SCI)
27	Refrigeration system performance by inserting twisted strip in condenser along with liquid suction heat exchanger	T.Srinivasa Rao, K.Dilip Kumar , K.Appa Rao	International journal of Engineering and Advanced technology	December-2018	2249-8958 (SCOPUS)
28	Thermal conductivity of Fin materials	N.Venkateswara Rao, N.Someswara Rao, Dr.K.Sri Divya, Ch. Mohan Samanth, M.Somaiah Chowdary, M.Bhavani	International Journal of Research and Analytical reviews	May-2019	2349-5138 (UGC)
29	Modelling and analysis of thermo electric cooler module using ANSYS	P.Ravindra Kumar , A.Sekharam, P.Veni Madhav, G.Chitti Babu, V.Sai Babu	International Journal of Mechanical and Production Engineering Research and Development	June-2019	2249-6890 (P), 2249-8001 (E) (Scopus)
30	Fabrication of prototype for cargo delivery Hexacopter	Sankararao Vinjavarapu , Mallikarjuna Rao Dandu , Dr.P.Vijay Kumar , S.Joshi Babu	Journal of emerging technologies and innovative research	June-2019	2349-5162 (UGC)
31	Influence of addition of CU doped ZNO nanoparticles to diesel fuel on a four stroke CI engine performance: Experimental study	Dr.P.Vijay Kumar , Sankararao.V , K.Somasekhar	International Journal of Research and Analytical reviews	May-2019	2349-5138 (UGC)
32	Design and fabrication of self-charging parallel hybrid electric vehicle with variable platform	K.Somasekhar , V.Sankara Rao , Mallikarjuna Rao Dandu , B.Deepak Kumar	International Journal of Research and Analytical reviews	May-2019	2349-5138 (UGC)
33	Experimental Study of Nonpolar	MurhariKolli , Adepu Kumar	Journal of Testing and	Sep 2018	SCI



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	Surfactant Mixed with Dielectric Fluid on Die-Sinking EDM of Ti-6Al-4V Alloy		Evaluation, ASTM publisher.		
34	Multi Response Optimization Of Edm Process Parameters For Inconel X-750 Using Moora	Murahari Kolli , Shaik Khadar Basha MV Jagannadha Raju	Journal of Mechanical Engineering Research & Developments	Vol. 42, No.01, pp 30-40, March. (2019)	Scopus ISSN: 1024-1752
35	Multi-Response Optimization of Machining Process Parameters for Wire Electrical Discharge Machining of Lead-Induced Ti-6Al-4V Alloy Using AHP–TOPSIS Method	Murahari Kolli , A. V. S. Ram Prasad, KoonaRamji, G. Vamsi Krishna	Journal of Advanced Manufacturing Systems, World Scientific Publisher	Vol. 18, No. 02, pp. 213-236 (April 2019)	ESCI ISSN (print): 0219- 6867 ISSN (online): 1793- 6896
36	Assessing the Influence of Surfactant and B ₄ C Powder Mixed in Dielectric Fluid on EDM of Titanium Alloy	Murhari Kolli , Adepu Kumar	Silicon Journal, Springer publisher	June 2019	SCI ISSN: 1876- 990X (Print) 1876- 9918 (Online)
37	Dry Sliding Wear Behaviour of Hypo Eutectic Al7si Alloys with Melt Treatments	Dr.P.V.Chandra Sekhara Rao	International Journal of Research and Analytical reviews	May-2019	2349-5138 (UGC)
38	Fabrication and Analysis of Vertical Axis Wind Turbines on Highways	Venkata Somi Reddy J. V.Venkatesu, R.Praveen Kumar	Journal of Emerging technologies and Innovative Research	June-2019	2349-5162 (UGC)
39	Experimental Studies on the Thermal performance of a closed loop pulsating heat pipe using water-ethanol binary working fluids	P.Venkataramana, P.Vijay Kumar , B.Balakrishna	International Journal of Recent Technology and Engineering	March 2019	2277-3878 (UGC)
40	Experimental investigation on heat transfer enhancement by using Al ₂ O ₃ nano-fluid in a tube in tube heat exchanger	Mallikarjuna Rao Dandu, S.Rami Reddy, K.Somasekhar , N.Sreenivasa Rao	Journal of Emerging technologies and Innovative Research	May-2019	2349-5162 (UGC)



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41	Steady State thermal analysis of compound fin using ANSYS	P.Tharun Sai, Dr.K.Appa Rao, E.Renuka Rao	International Journal of Research and Analytical reviews	June-2019	2349-5138 (UGC)
42	Design and fabrication of Hybrid Magneto rheological elastomeric angular mounts with iron Nano particles	Sudheer Kumar Battula, Rama Murthy Raju, Ch.Ratnam	International Journal of Engineering and advanced technology	June-2019	2249-8958 (Scopus)
43	Damage localization of cantilever beam based on normalized frequency zones and vibration nodes	Siva Sankara Babu Chinka, Balakrishna Adavi, Srinivasa Rao Putti	International journal of Innovative technology and Exploring Engineering	March-2019	2238-3075 (Scopus)

Quality of Journals Published:

S. No	Type of Journal	Number of journals published
1	SCI/E-SCI	12
2	SCOPUS	14
3	UGC	17