



LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

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DEPARTMENT OF MECHANICAL ENGINEERING

Journal Publications for the A.Y: 2019-20

S.No	Title of paper	Name of the author/s	Name of journal	Year of publication	ISBN/ISSN number
1	Experimental research on fixed tube type shell and tube heat exchanger	Guna Sahithi Madala, Dilip Kumar K , Jaya Prakash Chilaka, Lakshmi Prasad Kadari	Journal of emerging technologies and Innovative Research	July 2019	2349-5162 UGC
2	Enhancement of COP of vapour compression refrigeration system by using Diffusers	G.Naga Raju, K.Dilip Kumar , T.Srinivasa Rao	International journal of Recent technology and Engineering	July 2019	2277-3878 Scopus
3	Assessment of performance, combustion and emission characteristics of the diesel engine powered with corn biodiesel blends	E.Ramakrishna Reddy, Y.Subbalakshmi, V.Dhana Raju K.Appa Rao , M.Harun Kumar, S.Rami Reddy, P.Tharun Sai	International Journal of Ambient Energy (Taylor & Francis)	July 2019	2162-8246 SCI
4	Experimental studies on the influence of antioxidant additive with waste tamarind biodiesel on the diverse characteristics of diesel engine	V.Dhana Raju , K.Saibabu, K.Appa Rao, S.Rami Reddy, P.Tharun Sai	International Journal of Ambient Energy. (Taylor & Francis)	July 2019	2162-8246 SCI
5	Novel Water Hyacinth biodiesel as a potential alternative fuel for existing unmodified diesel engine: Performance, Combustion and Emission characteristics	Karthikeyan Alagu, Harish Venu, Jayaprabhakar Jayaraman, V.Dhana Raju , Lingesan Subramani, PrabhuAppavu, Dhanasekar S	Energy (Elsevier)	July 2019	0360-5442 SCI
6	Emission reduction in DI	Harish Venu, L.Subramani,	Renewable Energy	July2019	0960-1481



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	diesel engine using exhaust gas recirculation (EGR) of palm biodiesel blended with TiO ₂ nano additives	V. Dhana Raju	(Elsevier)		SCI
7	Experimental study on the performance and emission characteristics of corn seed oil methyl ester along with Decanol as an Additive in Diesel engine	K.Madhu babu, B.Prasanth Kumar, A.Naresh Kumar, K.Somasekhar	International Journal of Advanced Research in Science, Engineering and Technology	Aug 2019	2350-0328 UGC
8	Effect of Crack Location and Crack Depth on Natural Frequencies of Fixed Beam Using Experimental Modal Analysis	Siva Sankara Babu , Balakrishna Adavi, Srinivasa Rao Putti	Lecture Notes on Multidisciplinary Industrial Engineering	Aug 2019	978-981-13-7643-6 Scopus
9	Fabrication and experimental analysis of Absorber based LiBr-Water absorption refrigeration system	Ch.Jaya Prakash, K.Dilip Kumar, T.Srinivasa Rao	International Journal of Engineering and Advanced Technology	Aug 2019	2249-8958 Scopus
10	Experimental optimization of mechanical properties of Al7010/B ₄ C/BN hybrid metal matrix nanocomposites using Taguchi technique	Gopichand Dirisenapu, Lingaraju Dumpala, Pichi Reddy Seelam	Materials Research Express	Aug 2019	2053-1591 SCI
11	Energy, Exergy and Energy Audit Analysis of Vijayawada Thermal Power Station	B.Sairam krishna, P.Vijay Kumar, Y.Appala Naidu	International Journal of Engineering and Advanced Technology	Aug 2019	2249-8958 Scopus
12	Numerical Simulation of shell and Tube heat	Kamala Priya B, B.Udaya Lakshmi,	International Journal of Innovative technology and	Sep 2019	2278-3075 Scopus



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	exchanger using Ansys Fluent	A.Hari Krishna	exploring Engineering		
13	The effect of B ₄ C and BN nanoparticles on the mechanical and microstructural properties of Al7010 hybrid metal matrix	Gopichand Dirisenapu, Lingaraju Dumpala, Pichi Reddy Seelam	Materials Research Express	Sep 2019	2053-1591 SCI
14	Experimental Evaluation of Palmyra oil blends in VCR diesel engine by using EGR systems	Pilli Uday Kumar, P.Vijay Kumar, A.Naresh Kumar	International Journal of Innovative technology and exploring Engineering	Sep 2019	2278-3075 Scopus
15	Experimentation on Augmenting Heat Transfer Characteristics of (Ethylene Glycol + Water) Mixture in a combined (pipe in pipe and Shell & Tube) Heat Exchanger	M.P.V.L. Prasanna, P.Ravindra Kumar, B.Emmanuel, K. Lakshmi Prasad	International Journal of Recent Technology and Engineering	Sep 2019	2277-3378 Scopus
16	Mat Lab Coding and Experimental Analysis of Heat Transfer Rate in Multi Air Jet Impingement	K.Srinivasa Rao, K.Lakshmi Prasad, P.Tharun Sai, M.Pulla Rao	International Journal of Recent Technology and Engineering	Sep 2019	2277-3378 Scopus
17	Fabrication and Experimental Analysis Characteristics of Acetone/Water by using Tube in Tube and Shell and Tube Heat Exchanger	B.Emmanuel, P.Ravindra Kumar, M.P.V.L. Prasanna	International Journal of Innovative technology and exploring Engineering	Oct 2019	2278-3075 Scopus
18	Effect of 1-butanol on the characteristics diesel engine powered with novel tamarind biodiesel for the	DLSVN Swamy, Y.Kowsik, V.Dhanaraju, K.Appa Rao, Harish Venu, L.Subramani, K.Bala Prasad	Energy Sources Part A: Recovery, Utilization and Environmental effects	Oct 2019	1556-7230, 1556-7036 SCI



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	future sustainable energy source				
19	An Experimental Investigation on Machining Parameters of Titanium Alloy Using WEDM	A.V.S Ram Prasad, Koonam Ramji, Murahari Kolli	Materials today: Proceedings	Oct 2019	2214-7853 Scopus
20	Experimental assessment on the regulated and unregulated emissions of DI diesel engine fuelled with Chlorella emersonii methyl ester (CEME)	Harish Venu, V.Dhana Raju , Lingesan Subramani	Renewable Energy	Nov 2019	0960-1481 SCI
21	Experimental investigation on the performance and emission characteristics of a diesel engine powered with waste mango seed biodiesel blends	B.Prasanth Kumar, K.Appa Rao , V.Dhanaraju , S.Rami Reddy , D.Mallikarjuna Rao , J.Subba Reddy	International Journal of Ambient Energy (Taylor & Francis)	Dec 2019	2162-8246 SCI
22	Experimental assessment of various fuel additives on the performance and emission characteristics of the spark ignition engine	T.Srinivas Rao, Sk.Jakeer Hussain, V.Dhanaraju , Harish Venu, Lingesan Subramani	International Journal of Ambient Energy (Taylor & Francis)	Dec 2019	2162-8246 SCI
23	Experimental investigation of Ultrasonic flaw defects in weld clad materials using NDT technique	P. Ravindra kumar , G. Vijay kumar, K. Naga Murali, R. B. S. S. Kishore	A Book Chapter in Lecture Notes in Mechanical Engineering-Springer	Feb2020	2195-4356 Scopus
24	Multi-Parametric Optimization of Electrical Discharge Machining of Inconel-690 Using RSM-GRA Technique	Murahari K , Bhavani M, Adepu Kumar, S Pichi Reddy, Sai Naresh D	Advances in Applied Mechanical Engineering-Springer	Feb2020	2195-4356 Scopus



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25	Parametric Optimization of Electrical Discharge Grinding on Ti-6Al-4V Alloy Using Response Surface Methodology	Murahari Kolli, Adepu Kumar	Advances in Applied Mechanical Engineering- Springer	Feb2020	2195-4356 Scopus
26	Tensile properties of bamboo fiber filled with rockdust filler reinforced hybrid composites	T. Venkateswara Rao, V. Sankara Rao and K.V. Viswanadh	Innovative Product Design and Intelligent Manufacturing Systems, Springer	March 2020	Scopus
27	Effect of EGR on diverse characteristics of diesel engine operated with corn seed biodiesel blend	E.Rama Krishna Reddy, BVS Keerthana, V.Dhana Raju, A.SaiMahith and B.Dhanush	International journal of Ambient Energy	March 2020	2162-8246 SCI
28	Enhancement of Efficacy and heat transfer characteristics of TIO ₂ Nano fluids under turbulent flow conditions in parabolic trough collector	K.Dilip Kumar, T.Srinivasa Rao, M.Srinivas, K.Ashok Reddy	International journal of Mechanical Engineering and Technology	March 2020	0976-6359 Scopus
29	Fabrication of Plastic Shredder	Mohammad Khalid, P.Siva Manikanta, K.Srikanth, D.Rajasekhar Reddy, S.Srinivasa Reddy	Compliance Engineering Journal	March 2020	UGC
30	Effect of Condenser Length on Performance of Water Cooling Refrigeration System cum Air Cooler	Siva Sankara Babu Ch, Abhi Ram G, Srinu K, Prudhvi Raj G, Nuruddin Shaik	International Journal of Innovative Technology and Exploring Engineering	April 2020	2278-3075 Scopus
31	Optimization of Diesel Engine performance by Taguchi Grey Relational analysis using fuel blends	A.Naresh Kumar, K.Madhu Babu, B.Prasanth Kumar, S.Kiran Kumar, P.S.Kishore	International Journal of Recent Technology and Engineering	April 2020	2277-3878 Scopus



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32	Exact Damage Identification of Plate-Like Structure Using Mode Shapes	Siva Sankara Babu Chinka, G. Jyosthana Surya Kumari, M. GunaSahithi, S. Mahesh, M. R. Krishna Mohan	International Journal of Innovative Technology and Exploring Engineering	April 2020	2278-3075 Scopus
33	Experimental study on engine parameters variation in CRDI engine fuelled with palm biodiesel	A.Naresh Kumar, P.S.Kishore, K.Brahma Raju, K.Nanthagopal, B.Ashok	Fuel-Elseveir	May 2020	0016-2361 SCI
34	Tool shoulder and pin geometry's effect on friction stir welding: A study of literature	Chandrasekhar Sunnapu, MurahariKolli	Materials today: Proceedings	May 2020	2214-7853 Scopus
35	Influence of decanol as fuel additive on the diverse characteristics of the diesel engine powered with mango seed biodiesel blend	S.Rami Reddy, G.Murali, V. Dhana Raju	International journal of Ambient Energy	March 2020	2162-8246 SCI
36	Fabrication and AL Alloy composite reinforced with silicon carbide and graphite through stir casting process and wear analysis	K.Sridivya, Ch.Mohan Sumanth, J.Surendra, V.Sankara Rao	International Journal of Mechanical and Production Engineering Research and Development	June 2020	2249-6890 (Scopus)
37	Analysis of CI engine performance by thermal barrier coatings on piston under different cooling rates	B.Lakshmanaswamy, Moon Banerjee, Snigdha Surapaneni, P N V Balasubramanyam, Syed Akbar	International journal of advanced science and technology	June 2020	2005-4238 (Scopus)
38	Novel CFD analysis on heat transfer characteristics of nano coolants for automobile radiators	Vidya CH, G.Ravikiran Sastry, P.Phani Prasanthi, Snigdha Surapaneni	International Journal of Mechanical and Production Engineering Research and Development	June 2020	2249-6890 (Scopus)
39	Optimisation of Mechanical	Muddineni Naresh, Ghanta Sai	International journal of	March 2020	2277-8616



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	properties and fundamental parameters of green composite materials for brake pads	Sreerama Krishna, Ammisetti Dhanunjay Kumar, T.Deepthi	scientific and technology research		(Scopus)
40	The influence of B ₄ C and BN nano particles on Al 7010 hybrid metal matrixnanocomposites	Gopichand Dirisenapu, Lingaraju Dumpala, Seelam Pichi Reddy	Emerging Materials Research	June 2020	20460155 (SCI)

Type of journal	SCI	Scopus	UGC	Total
No. of publications	14	23	3	40