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Research Publications

Sl No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
1.	Impact of injector nozzle diameter and hole number on performance and emission characteristics of CI engine powered by nanoparticles	GR Kothiwale, KM Akkoli, BM Doddamani, SS Kattimani, U Ağbulut, A Afzal, AR Kaladgi, Z Said	International journal of Environmental Science and Technology	2023	2229-7359
2.	Optimization and modelling of EGR rate and MIS for POME fuelled CRDI diesel engine	SA Alur, MM Shivashimpi, KM Akkoli, NR Banapurmath, D Sakthivel, Yogesh Diliprao Sonawane, Saiful Islam, Prabhakar Sharma, Mohammad Amir Khan, Abdul Razak	Case Studies in Thermal Engineering	2023	2214-157X
3.	Influence of Injection Pressure and Aluminium Oxide Nano Particle-Added Fish Oil Methyl Ester on the Performance and Emission of Compression Ignition Engine	KM Akkoli, SC Kamate, SN Topannavar, AR Bhavimani, NR Banapurmath, Ibhram Veza, Manzoore Elahi M Soudagar, TM Yunus Khan, AS El- Shafay, MA Kalam, MM Shivashimpi, Archana M Gulli	Energies	2022	1996-1073
4.	A study on thermal conductivity and thermo gravimetric analysis of glass fiber epoxy resin composites modified with silicon carbide and copper nanoparticles	Gurushanth BVaggar, S. C. Kamate, S.L.Nadaf	International Journal of Materials Today: Proceedings	2022	2093-2097
5.	Experimental investigation to optimize nozzle geometry and compression ratio along with injection pressure on single cylinder DI diesel engine operated with AOME biodiesel	Basavaras B Patil, SN Topannavar, KM Akkoli, MM Shivashimpi, Sunilkumar S Kattimani	Energy, Elsevier	2022	0360-5442
6.	Exhaust Gas Recirculation as a NOx Reduction Technique for Modified POME Fuelled Diesel Engine	M.M. Shivashimpi, S.A. Alur, N.R. Banapurmath	International Journal of Vehicle Structures & Systems	2022	0975-3060
7.	A Study on Dimensional Analysis Modeling of Crater Size during Wire Electrical Discharge Turning Process by Using Buckingham Pi-Theorem	Gajanan M. Naik, M.A. Hipparagi, Sadashiv Bellubbi, Abhinaba Roy Anjan B.N., Ramesh S, Nrendranath S.	International Journal of Materials Today: Proceedings	2022	2093-2097
8.	Tribological Characterization of Simarouba Glauca Methyl Ester (SGME) Using Oxide Nanoadditives	Eknath N Aitavade, S.C.Kamate	Journal of the Institution of Engineers (India): Series D	2022	22502130
9.	Influence of Blend and Oxide Nanoparticle Additive Parameters on Tribological Attributes of Simarouba Glauca Biodiesel (SGME)	Eknath N Aitavade, S.C.Kamate	International Journal of Materials Today: Proceedings	2021	2214-7853



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10.	Effect of Injection Parameters and Producer Gas Derived from Redgram Stalk on the Performance and Emission Characteristics of a Diesel Engine	K. M. Akkoli, N.R.Banapurmath, M.M.Shivashimpi, Manzoore Elahi M. Soudagar, Irfan Anjum Badruddin, Mashhour A. Alazwari, V.S. Yaliwal, M.A. Mujtaba, Naveed Akram, Marjan Goodarzi, Mohammad Reza Safaei, Harish Venu	International Journal of Alexandria Engineering	2021	1110-0168
11.	Optimization of Process Parameters in Electro Chemical Discharge Machining of Silica Glass Through Analysis of Means	Sadashiv Bellubbi, M. A. Hipparagi, Ravindra Naik, Sathisha N	International Journal of IOP Conf. Series: Materials Science and Engineering	2021	1757-899X
12.	Effect of Producer Gas from Redgram Stalk and Combustion Chamber Types on the Emission and Performance Characteristics of Diesel Engine	K. M. Akkoli, N. R. Banapurmath, Suresh G., Manzoore Elahi Soudagar, T. M. Yunus Khan, Maughal Ahmed Ali Baig, M.A. Mujtaba, Nazia, ossain, Kiran Shahapurkar, Prof. Ashraf Elfasakhany, Mishal Alsehli, V. S. Yaliwal, S.A. Goudadi	International Journal of Energies	2021	1996-1073
13.	A Review on Thermal Properties of Hybrid Polymer Matrix Composites	G. B Vaggar, S. C. Kamate, Rithesh Shetty	International Journal of IOP Conf. Series: Materials Science and Engineering	2021	1757-899X
14.	Biomass Characterization and Gasifier Design for Agricultural Residues	K. M. Akkoli, S. A. Goudadi, M.M.Shivashimpi, S. N. Topannavar	Iranian (Iranica) Journal of Energy and Environment	2020	2079-2115
15.	High Efficient Rotary Huller Machine	S.R. Kulkarni, S.A. Goudadi	International Journal of Engineering Applied Sciences and Technology	2019	2455-2143
16.	Effect of Injection Parameters: Injection Timing and Injection Pressure on the Performance, Emission and Combustion Characteristics of CRDI Diesel Engine Operate with Palm Oil Methyl Ester (POME)	Mahantesh M. Shivashimpi, Nagaraj R. Banapurmath, S. A. Alur	European Journal of Sustainable Development Research	2019	2542-4742
17.	Modeling and Analysis Of Down Draft Gasifier	Umesh Gudnavar, K.M.Akkoli	International Journal of Management, Technology and Engineering	2019	2249-7455
18.	Effect of Cooling Cleaning System on the Performance and Emission Characteristics of Producer Gas Operated Dual-Fuel CI Engine	K. M. Akkoli, P. B. Gangavati, N. R. Banapurmath	International Journal of Applied Engineering Research	2019	0973-4562
19.	An Improvement In Mechanical	M. A. Hipparagi, Padmayya S.	International Journal of	2019	2249-



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	Properties Using Austempered Ductile Iron (Adi): A Review	Naik	Mechanical and Production engineering		6890
20.	Effect Of Injection Opening Pressure (Iop), Injection Timing (It) And Egr On The Performance And Emission Characteristics Of Diesel Engine Operated With Tallow Oil Methyl Ester (Tome)	B.M.Dodamani, B M Shrigiri	Journal Of Emerging Technologies And Innovative Research	2019	2349-5162
21.	Effect Of Di Ethyl Ether (Dee) Additive, Compression Ratio (Cr) And Egr On The Performance And Emission Of Di Diesel Engine Operated On Fish Oil Methyl Ester (Fome)	B M Dodamani, BM Shrigiri	International Journal For Scientific Research & Development	2019	2321-0613
22.	Performance And Smoke Test On Ci Engine Using Cotton Seed Oil As Fuel	Raj.H. Korawar, S.C. Kamate, S.N. Toppannavar, B.M.Dodamani	Journal Of Emerging Technologies And Innovative Research	2019	2349-5162
23.	Multi-Phase Flow Modeling to Simulate Analysis of Different Shapes in Wind Tunnel	Biradar Anilkumar M, Niranjan M Ukkali, B.M.Dodamani	A Journal Of Composition Theory	2019	0731-6755
24.	Optimization of Compression Ratio and Nozzle Geometry on Single Cylinder DI Diesel Engine Fuelled with FOME Biodiesel	Sunilkumar S. Kattimani, S. N. Topannavar, M. M. Shivashimpi, B. M. Dodamani	Energy	2019	2320-6608
25.	Effect of torroidal combustion chamber shape, nozzle geometry, injection pressure, egr on the performance of biodiesel fuelled diesel engine and validation through taguchi analysis.	Allamaprabhu.B.Shigih alli, Mahantesh M Shivashimpi, Akhilesh Patil , Aparai Huddar	International Research Journal of Engineering and Technology	2018	2395-0056
26.	Effect of nozzle geometry on the performance and emission characteristics of C.I. Engine Operated on Palm Oil Methyl Ester	Mahantesh M. Shivashimpi , S. A. Alur , Jagadeesh A, M.R. Ingalagi	Journal of Emerging Technologies and Innovative Research	2018	2349-5162
27.	Assessment and Characterization of Agricultural Residues	K M Akkoli, P B Gangavatib, M R Ingalagic, R K Chitgopkard	Science Direct	2018	2214-7853
28.	Influence of Pair of Vortex Generators on the Hydraulic Performance for Air Flow through a Rectangular Duct Continuous Renewable Energy Generation by Solar Radiation	Mahesh Ingalagi, K M Akkoli, Sunilkamar Kattimani, Ravi Chitgopkar, G V Chiniwalar	International Journal of Pure and Applied Mathematics	2018	1314-3395
29.	Comparison study oneffect of ethanol and HOME biodiesel blends on the	Sunil S Kattimani, B M Dodamani, Kushal Ambli, N M Ukkali Anant Bhavimani	Journal of Emerging Technologies and Innovative Research	2018	2349-5162
30.	Fabrication of cam operated low cost Sheet metal bending machine for	S. R. Kulkarni1, M. S. Futane, T. S. Vandali,	International Journal of Pure and Applied	2018	1314-3395



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	startup industries in rural areas	A. M. Biradar, D. N.Inamdar	Mathematics		
31.	Effect of CNG Flow Rate and Combustion Chamber Shapes on the Performance of Dual Fuel Engine Operated with HOME and CNG	Shrinivas Malaghan, Raghavendra Ellur,S.A.Alur, N.R. Banapurmath	International Journal of Pure and Applied Mathematics	2018	1314-3395
32.	Thermal Properties Characterization of Glass Fiber Hybrid Polymer CompositeMaterials	Gurushanth B Vaggar, S C Kamate, Pramod VBadyankal	International Journal of Engineering & Technology	2018	-----
33.	Effect of Injection Parameters: Injection Timing and Injection Pressure on the Performance of Diesel Engine Fueled with Palm Oil Methyl Ester	Mahantesh M. Shivashimpi, N. R. Banapurmath , S. A. Alur , S. V. Khandal	European Journal of Sustainable Development Research	2018	2542-4742
34.	Effect of Injection Pressure and NozzleGeometry on the Performance and Emission Characteristics of Diesel Engine Operated with Palm Oil Methyl Ester	Mahantesh M. Shivashimpi, S. A. Alur, Jagadeesh A, M.R. Ingalagi, Bhimanagoud M Dodamani	International Journal of Prevention and Control of Industrial Pollution	2018	-----