Research Publication of Internal DC Member 3

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S.NO	Journal papers published	Year
1.	Predicting the performance and emission characteristics of a Mahua oil-hydrogen dual fuel engine using artificial neural networks K sv, SK Masimalai Energy Sources, Part A: Recovery, Utilization, and Environmental Effects 42 …	2020
2.	Effects on Performance, Emission and Combustion Characteristics of Dual Fuel Mode CI Engine Operated with Waste Cooking Oil-Ethanol as Fuel J Mayakrishnan, S Raja, SK Masimalai, V Palanimuthu, S Nandagopal, ... SAE Technical Paper	2020
3.	Experimental investigation on a performance and emission characteristics of single cylinder diesel engine powered by waste orange peel oil biodiesel blended with antioxidant … N Ganesan, S Masimalai Energy Sources, Part A: Recovery, Utilization, and Environmental Effects 42 …	2020
4.	Effect of yarn type on moisture transfer characteristics of double-face knitted fabrics for active sportswear B Sathish Babu, P Senthil Kumar, M Senthil Kumar Journal of Industrial Textiles 49 (8), 1078-1099	2020
5.	Engine’s behavior on hydrogen addition of waste cooking	2020

	oil fueled light duty diesel engine-A dual fuel approach P Raju, SK Masimalai, N Ganesan, SV Karthic Energy 194, 116844	
6.	Extracting methyl-ester from waste cooking oil for fueling a light duty diesel engine–a dual fuel approach P Raju, SK Masimalai, N Ganesan Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 1-15	2020
7.	Effective utilization of mahua oil blended with optimum amount of Al 2 O 3 and TiO 2 nanoparticles for better performance in CI engine P Purushothaman, S Masimalai, V Subramani Environmental Science and Pollution Research, 1-11	2020
8.	THE INFLUENCE OF AIR SIDE AND FUEL SIDE WATER ADDITION ON ENGINE'S BEHAVIOUR OF A BIOFUEL BASED COMPRESION IGNITION ENGINE UNDER OXYGEN ENRICHED COMBUSTION. S Masimalai Thermal Science 24	2020
9.	Investigations on The Impact of Addition of Low Cetane Low Viscous Fuels on Engine’s Behavior of a Mahua Oil Based Diesel Engine SK Masimalai SAE Technical Paper	2019
10.	Experimental Investigations on the Combined Effect of Oxygen Enrichment and Exhaust Gas Recirculation on Performance, Emission and Combustion Characteristics of a Mahua oil … N GANESAN, SK Masimalai SAE Technical Paper	2019
11.	A complete assessment on the impact of in-cylinder and external blending of eucalyptus oil on engine’s behavior of a biofuel-based dual fuel engine S Masimalai, A Subramaniyan Environmental Science and Pollution Research 26 (8), 7938-7953	2019
12.	The influence of air side and fuel side water addition on engine’s behaviour of a biofuel based CI engine under	2019

	oxygen enriched combustion S Masimalai Thermal Science, 18-18	
13.	Cleaner emissions from a DI-diesel engine fueled with mahua oil and low carbon ethanol-hydrogen in dual fuel mode A Kothandan, S Masimalai Environmental Science and Pollution Research 25 (32), 32684-32693	2018
14.	Data Driven Modeling of In-Cylinder Pressure of a Dual Fuel Compression Ignition Engine Operated with Renewable Fuels Using State Space Approach S Nandagopal, SK Masimalai, K Krishnamurthy SAE Technical Paper	2018
15.	Experimental Investigation on Effect of Nano Fluids in the Behaviour of a Compression Ignition Engine Fueled with Diesel Biofuel Blends S Nandagopal, SK Masimalai, J Mayakrishnan SAE Technical Paper	2018
16.	Investigations on the Combined Effect of Oxygen Enrichment and Water Injection Techniques on Engine's Performance, Emission and Combustion of a Mahua Oil Based Compression … SK Masimalai, N Ganesan, S Pasupathiraju, T Mohanraj SAE Technical Paper	2018
17.	Experimental Investigation on Effect of Nano Fluids in the Behaviour of a Compression Ignition Engine Fueled with Diesel Biofuel Blends MJ N. Sasikumar, M. Senthilkumar Technical Papers of Society of Automotive Engineers	2018
18.	A comprehensive study on the effect of emulsification, solid nanoadditive and LPG dual fuel operation on engine behaviour of a WCO based compression ignition engine S Nandhagopal, S Masimalai Thermal Science 22 (3), 1415-1424	2018
19.	A comprehensive assessment on the effect of high octane fuels induction on engine's combustion behaviour of a Mahua oil based dual fuel engine MS Kumar, G Nataraj, SA Selvan	2017

	Fuel 199, 176-184	
20.	Novel improvement of bioactive microencapsulated textile products using brown seaweed for healthcare applications M Janarthanan, MS Kumar International Journal of Clothing Science and Technology	2017
21.	A Comprehensive Assessment on Combined Effect of Thermal Barrier Coating and Emulsification Techniques on Engine Behavior of a Mahua Oil Based Diesel Engine S Masimalai, JK Mayakrishnan, N Ganesan SAE Technical Paper	2017
22.	A Comparative Study on Different Methods of Using Waste Cooking Oil as Fuel in a Compression Ignition Engine SK Masimalai, JK Mayakrishnan SAE Technical Paper	2017
23.	Investigation on Electronic Assisted Primary Fuel Injection of Compression Ignition Engine Fueled with Waste Cooking Oil as Pilot Fuel for Improved Part Load Efficiency and … S Nandagopal, SK Masimalai, AS Subramaniyan, JK Mayakrishnan SAE Technical Paper	2017
24.	An experimental assessment on the influence of high octane fuels on biofuel based dual fuel engine performance, emission, and combustion S Masimalai, A Subramanian Thermal Science 21 (1 Part B), 523-534	2017
25.	Combined Effect of Oxygen Enrichment and Dual Fueling on the Performance Behavior of a CI Engine Fueled With Pyro Oil–Diesel Blend as Fuel SK Masimalai, S Nandagopal Journal of Energy Resources Technology 138 (3)	2016
26.	Influence of oxygen enriched combustion on performance, emission and combustion behaviour of a CI engine fuelled with pyro oil-diesel blend as fuel S Masimalai, S Nandagopal, V Kuppusamy SAE Technical Paper	2016
27.	Combined effect of oxygen enrichment and emulsification	2016

	techniques on performance, emission and combustion of a WCO based CI engine S Masimalai, S Nandagopal SAE International Journal of Fuels and Lubricants 9 (1), 306-314	
28.	A comprehensive assessment on performance behavior of a CI engine using bio oil emulsions (PJSO10, KSO10 and CSO10) as fuels S Masimalai, V Kuppusamy Journal of Mechanical Science and Technology 29 (10), 4491-4498	2015
29.	A comparative study on the effect of alcohol induction and addition on performance behavior of a CI engine fueled with “Madhuca Indica” as fuel S Masimalai, A Subramanian SAE Technical Paper	2015
30.	Assessment of performance, emission and combustion behaviour of a WCO based diesel engine using oxygen enrichment technique S Masimalai, V Kuppusamy, J Mayakrishnan SAE Technical Paper	2015