

Dr. Jaikumar M

1. Effects on Performance, Emission and Combustion Characteristics of Dual Fuel Mode CI Engine Operated with Waste Cooking Oil - Ethanol as Fuel
2. Experimental Study on Influence of Iron Oxide Nanofluids on Characteristics of a Low Heat Rejection Diesel Engine Operated with Methyl Esters of Waste Cooking Oil
3. Dimensional Optimization of Key Parameters Using DoE Technique to Achieve Better NO X Emission Values in Mass Production of Single Cylinder Small Diesel Engines for 3 Wheeler Applications
4. Development of Dual Fuel Engine Fueled with Used Cooking Oil Biodiesel and Ethanol-an Experimental Study on Performance and Combustion Characteristics
5. Investigation on Tribological Performance of Nano ZnO and Mixed Oxide of Cu-Zn as Additives in Engine Oil
6. Effective Utilization of Low Carbon Fuels in Agricultural Engines Using Low Cost Electronic Primary Fuel Injection Unit
7. Effect of Ethanol Fumigation on Performance and Combustion Characteristics of Compression Ignition Engine Fuelled with Used Cooking Oil Methyl Ester in Dual-Fuel Mode
8. Experimental Study on Combined Effect of Yttria Stabilized Zirconia Coated Combustion Chamber Components and Emulsification Approach on the Behaviour of a Compression Ignition Engine Fuelled with Waste Cooking Oil Methyl Esters
9. Comprehensive Study on the Effect of CuO Nano Fluids Prepared Using One-Step Chemical Synthesis Method on the Behavior of Waste Cooking Oil Biodiesel in Compression Ignition Engine
10. Tribological study on Hybrid Metal Matrix Composites for Application in Automotive Sector
11. Comparative Study on Smoke Emission Control Strategies of a Variable Compression Ratio Engine Fueled with Waste Cooking Oil
12. Experimental Investigation on Effect of Nano Fluids in the Behaviour of a Compression Ignition Engine Fueled with Diesel Biofuel Blends
13. Thermal Analysis and Experimental Investigations on the Effect of Thermal Barrier Coating on the Behavior of a Compression Ignition Engine Operated with Methyl Esters of Waste Cooking Oil
14. Canola Oil as a Fuel for Compression Ignition Engine – An Experimental Investigation
15. A Comparative Study on Different Methods of Using Waste Cooking Oil as Fuel in a Compression Ignition Engine
16. Modeling studies on Vaporization Rate for Microexplosion of Water - n decane emulsified fuel
17. Reduction of Carbondioxide emissions from Diesel Passenger Vehicle Exhaust Tail Pipe by Capturing Method Using Activated Alumina with Analyzed Reactor Chamber
18. CO 2 Capture by Using Modified ZSM-5 Zeolite in Diesel Powered Vehicle
19. Effect of functionalized (COOH) Multi-walled carbon nano-Tubes (MWCNTs) on Anti-wear performance of an engine oil.
20. Assessment of Performance, Emission and Combustion Behaviour of a WCO Based Diesel Engine Using Oxygen Enrichment Technique

21. Studies on the effect of hydrogen induction on performance, emission and combustion behaviour of a WCO emulsion based dual fuel engine
22. A comprehensive study on performance, emission and combustion behavior of a compression ignition engine fuelled with WCO (waste cooking oil) emulsion as fuel