

LIST OF PUBLICATIONS

International journals:

1. T.Asokkumar, R.Chandramouly and T.Mohanraj. "PERFORMANCE AND EMISSION CHARACTERISTICS OF ESTERIFIED PINNAI OIL TESTED IN VCR". **International journal of Ecotoxicology and environmental safety. 2015,(121) 51-56.IF:2.762 (SCI)**
2. T.Mohanraj, S.Krishnamani, K.Murugu Mohan Kumar. "THERMAL ANALYSIS OF CERAMIC COATED ALUMINUM ALLOY PISTON USING FINITE ELEMENT METHOD" **Indian Journal of Science and Technology.2016, 9 (15). (Scopus) SIF:1.63**
3. T.Mohanraj and S.Krishnamani "EXPERIMENTAL INVESTIGATION ON PERFORMANCE,COMBUSTION AND EMISSION CHARACTERISTICS OF A LOW HEAT REJECTION ENGINE USING RAPESEED METHYL ESTER AND DIETHYL ETHER". **Indian Journal of Science and Technology.2016, 9(22), 378-389. (Scopus) SIF:1.63**
4. S.Pasupathy Raju, S.Somasundaram, T.Mohanraj " EFFECT OF TURBOCHARGER ON C.I. ENGINEPERFORMANCE AND EMISSIONS USING BIODIESEL BLEND" **Journal of Environmental Biology .2016,37 (1),1437-1441.(Scopus)**
5. S.Somasundaram, T.Mohanraj, S.Pasupathy Raju, K.Murugu Mohankumar," OPERATING CHARACTERISTICS OF MULTI CYLINDER PETROL ENGINE USING LPG WITH METHANOL " **Springer Lecture Notes in Mechanical Engineering. 20176. 1, 507-516.(Scopus)**
6. S.Somasundaram, T.Mohanraj and S.Pasupathy Raju "PERFORMANCE AND EXHAUST EMISSION STUDY OF LPG WITH ETHANOL IN THREE CYLINDER CARBURETTED SI ENGINE" **Journal of Engineering Science and Technology. (Scopus)**
7. G.Rajamohan, P.Kumar, and T.Mohanraj "ANALYSIS OF SOLAR WATER HEATER WITH PARABOLIC DISH COLLECTOR AND CONICAL ABSORBER" **Proceedings of the 29th Symposium of Malaysian Chemical Engineers (SOMChE) 2016 Miri, Sarawak, Malaysia, December 1 – 3, 2016. (Scopus)**
8. Mohanraj.T,Barathwaj.V,Marshal Andru.M "EXPERIMENTAL INVESTIGATIONS AND OPERATING CHARACTERISITICS OF DIESEL ENGINE USING BIODIESEL" **International Journal of Pure and Applied Mathematics. 2017.114(11), 231-240.(Scopus)**
9. S.Krishnamani, T.Mohanraj B.Ravikumar. " AN EXPERIMENTAL INVESTIGATION ON PERFORMANCE, COMBUSTION AND EMISSION CHARACTERISTICS OF A

LOW HEAT REJECTION ENGINE USING DIESEL AND DIETHYL ETHER BLENDS” **ASME 2017 Internal Combustion Fall Technical Conference, Oct 15-18.Washington. (Scopus)**

10. T. Mohanraj, D.Venkatesan, Nikhil Raghavan Guduri, Kalyan Kiran Chippada. “IMPROVED METHOD OF CI ENGINE PERFORMANCE USING PONGAMIA OIL FOR VARIOUS BLENDS OF BIOFUEL” **International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE). 2017. 2(9) , 55-62.IF: 3.8**
11. S. Pasupathy Raju, T.Mohanraj “EXPERIMENTAL PHASE STABILITY ANALYSIS OF DIESEL ETHANOL BLENDED FUEL WITH ESTERIFIED RICE BRAN OIL AS AN EMULSIFIER” **International Journal of Mechanical Engineering and Technology (IJMET) .2018.9 (1), . 289–296. (Scopus).**
12. Mohamed Musthafa M, Ashok Kumar T, mohanraj T, chandramouli R. “A COMPARATIVE STUDY OF PERFORMANCE, COMBUSTION AND EMISSION CHARACTERISTICS OF DIESEL ENGINE FUELED BY BIODIESEL BLENDS WITH AND WITHOUT AN ADDITIVE FUEL” **225. 2018, 343-348. SCI - IF 4.6**
13. S.Krishnamania*, V.Harish, V.HariShankar, T.Mohan Raj. “THE EXPERIMENTAL INVESTIGATION ON PERFORMANCE AND EMISSION CHARACTERISTICS OF CERAMIC COATED DIESEL ENGINE USING DIESEL AND BIODIESEL” **Materials today: proceedings 5(8):16327-16337 • January 2018. (Scopus) Accepted-In press**
14. Ravikumar M, Mohanraj T and Venkatesan D.Improved “DESIGN OF AIR FLOW FOR A TWO STROKE INTERNAL COMBUSTION ENGINE TO PROMOTE CLEANER COMBUSTION”. **ARPJ Journal of Engineering and Applied Sciences.2018,13 (5),1932-1942. (Scopus)**
15. M.Ravikumar, T. Mohanraj, D.Venkatesan. “IMPROVED DESIGN OF AIR FLOW FOR A TWO STROKE INTERNAL COMBUSTION ENGINE FOR ENHANCED IN COMBUSTION” **International Journal of Mechanical and Production Engineering Research and Development(IJMPERD),ISSN-2249-6890. (Scopus) Accepted- In press IF -5.7**
16. Krishnamani,S,. Harish,V., HariShankar, V., Mohan Raj,T., “THE EXPERIMENTAL INVESTIGATION ON PERFORMANCE AND EMISSION CHARACTERISTICS OF CERAMIC COATED DIESEL ENGINE USING DIESEL AND BIODIESEL”, **Materials today: proceedings 5(8) ,2018, 6327-16337”**
17. Suresh R, Venkatesan D, Mohanraj T, Akilesh Kesavan S “EXPERIMENTAL INVESTIGATIONS ON COMBUSTION AND EMISSION CHARACTERISTICS OF BIOFUEL PREPARED FROM COTTON SEED OIL AT VARIOUS INJECTION PRESSURES “. **International Journal of Mechanical Engineering and Technology. 2018, 9 (1), 172-180. (Scopus)**

18. M. Senthil Kumar, S. Pasupathy Raju and T. Mohan Raj. "EXPERIMENTAL INVESTIGATIONS ON THE IMPACT OF ADDITION OF DIFFERENT HIGH OCTANE FUELS ON ENGINE'S BEHAVIOR OF A MAHUA OIL BASED DIESEL ENGINE". **SAE International.2018. Paper Offer Number: 18PFL-0208.** (Scopus)
19. M.Senthil Kumar, N. Ganesan ,S. Pasupathy Raju and T. Mohan Raj. "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 IGNITION ENGINE" .**SAE International.2018. 2018-01-0929.**
20. S.Krishnamani and Mohan Raj T. "EXPERIMENTAL STUDY ON PERFORMANCE, COMBUSTION AND EMISSION CHARACTERISTICS OF A DIESEL ENGINE USING BIODIESEL-DIETHYL ETHER BLEND". **Energy sources, part A: recovery, utilization, and environmental effects. 2019.DOI:10.1080/15567036.2019.1623950. (SCI IF: 0.894)**
21. Ashok Kumar T, Mohamed Musthafa M, Chandramouli R, Mohanraj T, Sridharan G. "PERFORMANCE CHARACTERISTICS OF A VARIABLE COMPRESSION RATIO CI ENGINE SIMULATION USING AN ARTIFICIAL NEURAL NETWORK". **Energy sources, Part A: recovery, utilization, and environmental effect, 2019. DOI: 10.1080/15567036.2019.1648595(IF: 0.894)**
22. Pasupathy Raju S. and Mohan Raj T., "OPTIMISATION AND EFFECTIVE UTILISATION OF ESTERIFIED RICE BRAN OIL IN A TURBOCHARGED VCR ENGINE BY ANALYSING ITS OPERATING CHARACTERISTICS". **Energy sources, part a: recovery, utilization, and environmental effects. 2019.DOI:10.1080/15567036.2019.1640314. (SCI IF: 0.894)**
23. Pasupathy Raju S. and Mohan Raj T., "A NOVEL APPROACH TO UTILIZE ESTERIFIED RICE BRAN OIL AS AN ADDITIVE WITH GASOLINE AND ETHANOL BLENDS IN MPFI SI ENGINE" **Energy sources, part a: recovery, utilization, and environmental effects .1556-7230 (Online) .Journal homepage: <https://www.tandfonline.com/loi/ueso20>. (SCI IF: 0.894)**
24. S.Krishnamani and Mohan Raj T. "THE EFFECTS OF FUEL INJECTION PRESSURE ON COMBUSTION AND EMISSION CHARACTERISTICS OF A DIESEL ENGINE USING FRYING OIL METHYL ESTER". **Energy sources, part A: recovery, utilization, and environmental effects. 2019.DOI:10.1080/15567036.2019.1675818. (SCI IF: 0.894)**