

Dr. M. LOGANATHAN
List of Publications

TITLE	YEAR
The synergetic effect between hydrogen addition and EGR on cashew nut shell liquid biofuel-diesel operated engine M Loganathan, V Thanigaivelan, VM Madhavan, A Anbarasu Fuel 266, 117004	2020
Investigation on the effect of diethyl ether with hydrogen-enriched cashew nut shell (CNS) biodiesel in direct injection (DI) diesel engine MVAA M. Loganathan, V.M. Madhavanm,K. Arun Balasubramanian, V. Thanigaivelan fuel 277 (118165), 1-12	2020
Independent Component Analysis and Sophisticated Distribution Control Algorithms based Improving the Efficacy of Solar Power Generation ML V.M.Madhavan , D. Senthil Kumar International Journal of Recent Technology and Engineering (IJRTE)	2019
Synthesis of SiO ₂ nano particles by using sol-gel route S Saravanan, AG Antony, V Vijayan, M Loganathan, S Baskar Int. J. Mech. Eng. Technol. 1, 785-790	2019
Heat transfer enhancement in mini compact heat exchanger by using alumina nanofluid V Vijayan, S Saravanan, AG Antony, M Loganathan, S Baskar International, Journal of Mechanical Engineering and Technology 10 (1)	2019
EFFECT OF ETHANOL ADDITION ON PERFORMANCE AND EMISSION OF CNSL BIODIESEL- HYDROGEN OPERATED DI DUAL FUEL ENGINE ML V. Thanigaivelan International Journal of Mechanical Engineering and Technology 10 (1), 1209-1220	2019
INVESTIGATIONAL ANALYSIS OF PERFORMANCE CHARACTERISTICS AND EMISSION OF CASHEW NUT SHELL BIODIESEL ON DI DIESEL ENGINE ML V. Thanigaivelan International Journal of Advanced Research in Engineering and Technology	2019
PERFORMANCE AND EMISSION CHARACTERISTICS OF DUAL FUEL DI DIESEL ENGINE USING CASHEW NUT SHELL BIO DIESEL AND HYDROGEN AS FUEL ML V. Thanigaivelan International Journal of Mechanical Engineering and Technology 10 (01), 847–857	2019
Recital and emanation individuality of cashew nut shell with methanol blends V Thanigaivelan, G Balaji, M Loganathan, CG Saravanan IOP Conference Series: Materials Science and Engineering 402 (1), 012108	2018
ANALYSIS OF WEAR ALUMINIUM COMPOSITE CARBIDE AND TITANIUM AG Antony Technology 9 (12), 681-691	2018
Combustion analysis of a hydrogen-diesel fuel operated DI diesel engine with exhaust gas recirculation M Loganathan, A Velmurugan, T Page, EJ Gunasekaran, P Tamilarasan Frontiers in Energy 11 (4), 568-574	2017
Experimental investigation of the effect of simultaneous nitrogen, hydrogen and EGR	2017

addition in a biodiesel operated CI engine RS Kumar, M Loganathan, EJ Gunasekaran Biofuels 8 (6), 685-692	
Efficiency analysis and combustion characteristics of addition of hydrogen to compression ignition diesel engine with bio diesel blends V Thanigaivelan, M Loganathan, CG Saravanan Advances in Natural and Applied Sciences 11 (4), 107-114	2017
Performance analysis of addition of hydrogen to compression ignition diesel engine with bio diesel blends V Thanigaivelan, M Loganathan 2017 Third International Conference on Science Technology Engineering ...	2017
Pursuance Assessment and Discharge Characteristics Studies of Compression Ignition Diesel Engine by using Cashew Nut Shell Oil as Bio-Diesel Blends V Thanigaivelan, M Loganathan, CG Saravanan International Journal of Applied Engineering Research 12 (13), 4009-4014	2017
Experimental Investigation on the Performance and Emission Characteristics of Hydrogen Fueled SI Engine P Tamilarasan, M Loganathan Indian Journal of Science and Technology 9, S1	2016
Experimental and numerical investigation of swirl enhancing grooves on the flow and combustion characteristics of a DI diesel engine P Prabhakaran, P Ramesh, CG Saravanan, M Loganathan Energy 115, 1234-1245	2016
Biodiesel production from high FFA rubber seed oil S Deepakkumar, M Arvind, G Aravinth, M Mohan, M Vijayadhasan Advances in Natural and Applied Sciences 10 (9 SE), 221-228	2016
Enhance mechanical properties of waste tyre-reinforced polyester for urban equipment product SR Jayaprasath, P Prabakaran, R Chinnaraj, S Sabarees, M Loganathan Advances in Natural and Applied Sciences 10 (7 SE), 189-199	2016
Combustion characteristics of the direct injection diesel engine fuelled with corn oil methyl ester R SenthilKumar, M Loganathan International Journal of Ambient Energy 37 (2), 136-142	2016
Prediction of performance, combustion and emission characteristics of diesel-thermal cracked cashew nut shell liquid blends using artificial neural network A Velmurugan, M Loganathan, EJ Gunasekaran Frontiers in Energy 10 (1), 114-124	2016
Effect of water injection on NO x emission and combustion of a hydrogen-fueled SI engine P Tamilarasan, M Loganathan Middle-East Journal of Scientific Research 24 (9), 2957-2966	2016
Study of performance and emission characteristics of a two stroke SI engine operated with gasoline manifold injection and carburetion V Gopalakrishnan, M Loganathan Indian J Sci Technol 9, 37	2016
Performance, emission and combustion characteristics of CI engine fuelled with diesel and hydrogen RS Kumar, M Loganathan, EJ Gunasekaran Frontiers in Energy 9 (4), 486-494	2015

Experimental Investigation of Diesel-Hydrogen dual fuel direct injection CI engine with Exhaust Gas Recirculation R Senthil Kumar, M Loganathan Applied Mechanics and Materials 787, 697-701	2015
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