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DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2015-2016

Author Name	Title of the paper	Journal Name	ISSN Number	Year	Link
S.Aishwarya	Design and optimization of connecting rod for 4 stroke petrol engine by using Finite Element Analysis	ARNP Journal of Engineering and Applied Sciences	Jan-15	1819-6608	<a href="https://www.researchgate.net/publication/283778153_Design_and_optimization_of_connecting_rod_for_4-stroke_petrol_engine_by_using_finite_element_analysis">https://www.researchgate.net/publication/283778153_Design_and_optimization_of_connecting_rod_for_4-stroke_petrol_engine_by_using_finite_element_analysis</a>
J Ravikumar, D christoper selvam, R Devanathan, S Kannan	performance and emission of a CI engine fuelled with the preheated CNSL oil with blends and ethanol fumigation	International Journal of Applied Engineering Research	Jan-15	0973-4562	<a href="https://www.researchgate.net/publication/310618649_Performance_and_emission_analysis_of_a_CI_engine_fuelled_with_preheated_CNSL_oil_with_diesel_blends_and_ethanol_fumigation">https://www.researchgate.net/publication/310618649_Performance_and_emission_analysis_of_a_CI_engine_fuelled_with_preheated_CNSL_oil_with_diesel_blends_and_ethanol_fumigation</a>
Dr.S.Boopathi	Design & development of low cost PIV using dual camera technique	Indian Journal of Applied engineering and research	Jan-15	0973-4562	<a href="https://www.researchgate.net/publication/283532897_Design_development_of_low_cost_PIV_using_dual_camera_technique">https://www.researchgate.net/publication/283532897_Design_development_of_low_cost_PIV_using_dual_camera_technique</a>

Rajesh Kumar B	Application of an enhanced Taguchi method for simultaneous reduction of smoke and NOx emissions using oxygenated additives and retarded injection timing in a stationary diesel engine	Journal of the Brazilian Society of Mechanical Sciences and Engineering, Springer	Apr-15	1678-5878	<a href="https://doi.org/10.1007/s40430-015-0361-1">doi: 10.1007/s40430-015-0361-1</a>
S.Boopathi	Analysis of lift off height and blow-off mechanism of turbulent flame by v-gutter bluff body	Applied Mechanics and Materials, Vol. 787 (2015) pp 727-731	Aug-15	1660-9336	<a href="https://doi.org/10.4028/www.scientific.net/AMM.787.727">doi.org/10.4028/www.scientific.net/AMM.787.727</a>
D.Yuvaraj	Performance Study of Preheated Mustard Oil methyl ester on naturally aspirated CI Engine	Applied Mechanics and Materials	Aug-15	1662-7483	<a href="https://doi.org/10.4028/www.scientific.net/AMM.787.761">https://doi.org/10.4028/www.scientific.net/AMM.787.761</a>
p vijayarathy	Investigation of composite coated Ti-C-N surfaces with ball-cratering test method	Carbon – Sci. Tech.	Oct-15	0974-0546	<a href="http://idosi.org/weasj/7(2)16/3.pdf">http://idosi.org/weasj/7(2)16/3.pdf</a>
Rajesh kumar. B	Effect of exhaust gas recirculation (EGR) on performance and emissions of a constant speed DI diesel engine fueled with pentanol/diesel blends	Fuel, Elsevier	Nov-15	0016-2361	<a href="https://doi.org/10.1016/j.fuel.2015.07.089">doi:10.1016/j.fuel.2015.07.089</a>
Rajesh Kumar. B	Effect of iso-butanol addition to diesel fuel on performance and emissions of a DI diesel engine with exhaust gas recirculation	Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, Sage Publications	Nov-15	0957-6509	<a href="https://doi.org/10.1177/0957650915617107">doi:10.1177/0957650915617107</a>
D.Yuvaraj	Emissions analysis of preheated methyl ester on CI Engine	Applied Mechanics and Materials	Nov-15	1662-7482	<a href="https://doi.org/10.4028/www.scientific.net/AMM.812.21">https://doi.org/10.4028/www.scientific.net/AMM.812.21</a>

P Vijayasathy, C. Kavitha	An Overview of Corrosion Performance of Automotive Metals in Biodiesel	Research J. Engineering and Tech.	Dec-15	0976-2973	<a href="https://doi.org/10.5958/2321-581X.2015.00071.9">10.5958/2321-581X.2015.00071.9</a>
Venkatamuni T	DESIGN AND FABRICATION OF ANTI SLIDING AND SLOPING SYSTEM IN VEHICLES USING RATCHET AND PAWL MECHANISM	International Research Journal of Engineering and Technology (IRJET),	Jan-16	e-ISSN : 2395-0056 p-ISSN : 2395-0072	<a href="https://irjet.net/archives/V2/i9/IRJET-V2I981.pdf">https://irjet.net/archives/V2/i9/IRJET-V2I981.pdf</a>
D. Yuvarajan	Experimental analysis on neat mustard oil methyl ester subjected to ultrasonication and microwave irradiation in four stroke single cylinder Diesel engine†	Journal of Mechanical Science and Technology	Jan-16	1976-3824	<a href="https://doi.org/10.1007/s12206-015-1248-x">DOI 10.1007/s12206-015-1248-x</a>
Yuvarajan D	INVESTIGATION ON EFFECT OF MAGNETITE NANOFLUID ON PERFORMANCE AND EMISSION PATTERNS OF METHYL ESTERS OF BIO DIESEL	JOURNAL OF ENVIRONMENTAL ENGINEERING AND LANDSCAPE MANAGEMENT	Jan-16	1648-6897	<a href="https://doi.org/10.3846/16486897.2016.1142447">https://doi.org/10.3846/16486897.2016.1142447</a>
D.Yuvarajan	Effect of Magnetite Ferrofluid on the Performance and Emissions Characteristics of Diesel Engine Using Methyl Esters of Mustard Oil	Arab J Sci Eng	Feb-16	2191-4281	<a href="https://doi.org/10.1007/s13369-016-2060-3">DOI 10.1007/s13369-016-2060-3</a>

P.Vijayarathi	An investigation of Design and Thermal analysis of the different material on disc brake with frictional heat generation	Journal of Metallurgy and Materials Science,	Feb-16	Print ISSN: 0972-4257 Online ISSN: 0974-1267	<a href="http://www.nmlindia.org/7419">http://www.nmlindia.org/7419</a>
Yuvarajan D, Venkata Ramanan M	Effects of Magnetite Nanofluid on the Performance, emissions and combustion Pattern of CI Engine Fuelled with mustard oil methyl ester	Arabian Journal of Science and Technology, Springer Publications[Sl. No 794, Annexure-I].	Feb-16	2191-4281	<a href="https://doi.org/10.1007/s13369-016-2060-3">DOI: 10.1007/s13369-016-2060-3</a>
Vijayarathi Prabakaran	EXPERIMENTAL INVESTIGATION OF WEAR CHARACTERISTICS ON TiCN COATED AISI 410 STEEL	APPLIED PHYSICS	Mar-16	978-981-15-6267-9	<a href="https://www.researchgate.net/deref/https%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%2Fs00339-016-9980-3">https://www.researchgate.net/deref/https%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%2Fs00339-016-9980-3</a>
B. Rajesh Kumar, S. Saravanan, D. Rana, V. Anish, A. Nagendran	Effect of a sustainable biofuel – n-octanol – on the combustion, performance and emissions of a DI diesel engine under naturally aspirated and exhaust gas recirculation (EGR) modes	Energy Conversion and Management, Elsevier	Apr-16	0196-8904	<a href="http://dx.doi.org/10.1016/j.enconman.2016.04.001">http://dx.doi.org/10.1016/j.enconman.2016.04.001</a>
Rajesh Kumar, B., & Saravanan, S.	Effects of iso-butanol/diesel and n-pentanol/diesel blends on performance and emissions of a DI diesel engine under premixed LTC (low temperature combustion) mode.	Fuel, Elsevier	Apr-16	0016-2361	<a href="https://doi.org/10.1016/j.fuel.2015.12.029">doi:10.1016/j.fuel.2015.12.029</a>