



DEPARTMENT OF MECHANICAL ENGINEERING

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Author Name	Title of the paper	Journal Name	ISSN Number	Year	Link
Rajesh Kumar B	A comparative evaluation and optimization of performance and emission characteristics of a DI diesel engine fueled with n-propanol/diesel, n-butanol/diesel and n-pentanol/diesel blends using response surface methodology.	RSC Advances., Royal Society of Chemistry	61869-61890	Jun-16	doi:10.1039/c6ra11643dhttps://pubs.rsc.org/en/content/articlelanding/2016/ra/c6ra11643d#!divAbstract
S.Aishwarya N.Balaji Vijayarathi P	An Investigation Of Design And Modal Analysis Of The Different Material On Helicopter Blade	RA Journal of Applied Research	2394-6709	Jun-16	DOI:10.18535/rajar/v2i6.02
R.Devanathan, T.Venkatamuni, D.Yuvarajan, D.Christopher Selvam	The Effect of Sub-Zero Treatment on Mechanical Properties of GTAW Welded AA6082	Applied Mechanics and Materials	ISSN 1662-7482	Jun-16	10.4028/www.scientific.net/AMM.852.349
T. Venkatamuni and Praveen Kumar. J	Development of Solar Spryer with inclusion of electrical Stirrer Mechanism.	International Journal of Current Research	eISSN 0975-833X	Jun-16	https://www.journalcra.com/article/development-solar-sprayer-inclusion-electrical-stirrer-mechanism
Rajesh Kumar. B	A comparative analysis on combustion and emissions of some next generation higher-alcohol/diesel blends in a direct-injection diesel engine.	Energy Conversion and Management, Elsevier	0196-8904	Jul-16	doi:10.1016/j.enconman.2016.04.053
J.Ravikumar, D.Yuvarajan	Simultaneous optimization of Smoke and NOx emissions in a stationary diesel engine fuelled with diesel-oxygenate blends using Grey relational analysis in Taguchi method	Analytical Methods	1759-9660	Jul-16	https://doi.org/10.1039/C6AY01696K
Rajesh Kumar. B	Use of higher alcohol biofuels in diesel engines: A review.	Renewable and Sustainable Energy Reviews, Elsevier	1364-0321	Jul-16	doi:10.1016/j.rser.2016.01.085

Rajesh Kumar. B	Combined effect of injection timing and exhaust gas recirculation (EGR) on performance and emissions of a DI diesel engine fuelled with next-generation advanced biofuel – diesel blends using response surface methodology.	Energy Conversion and Management, Elsevier	0196-8904	Sep-16	doi:10.1016/j.enconman.2016.06.064
Rajesh Kumar. B	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	0196-8904	Sep-16	doi:10.1016/j.enconman.2016.04.001
B.Rajesh Kumar	Partially premixed low temperature combustion using dimethyl carbonate (DMC) in a DI diesel engine for favorable smoke/NOx emissions.	Fuel, Elsevier	0016-2361	Sep-16	https://doi.org/10.1016/j.fuel.2016.04.060
Yuvarajan D and Devanathan R	Role of additives on emission characteristics of methyl ester in constant speed diesel engine	Applied Mechanics and Materials	ISSN 1662-7482	Sep-16	10.4028/www.scientific.net/AMM.852.729
D. Yuvarajan, K. Pradeep and S. Magesh Kumar	Impact of Oxygenated Additives on Performance Characteristics of Methyl Ester in IC Engine	Applied Mechanics and Materials	1662-7483	Sep-16	doi:10.4028/www.scientific.net/AMM.852.724
D.Yuvarajan, C.Lokesh and P.Balaji	Analysis on Influence of Varying Compression Ratio in Biofuel	Applied Mechanics and Materials	1662-7482,	Sep-16	doi:10.4028/www.scientific.net/AMM.852.734
Rajesh Kumar, B., Saravanan, S., Niranjana Kumar, R., Nishanth, B., Rana, D., & Nagendran, A.	Effect of lignin-derived cyclohexanol on combustion, performance and emissions of a direct-injection agricultural diesel engine under naturally aspirated and exhaust gas recirculation (EGR) modes.	Fuel, Elsevier	0016-2361	Oct-16	doi:10.1016/j.fuel.2016.05.052

Yuvarajan D, D.Christopher Selvam	Performance Analysis on Mustard Oil Methyl Ester as a Potential Alternative Fuel	Ind Jouriannal of Science and Technology,	0974-6846, 0974-5645	Oct-16	https://www.researchgate.net/deref/http%3A%2F%2Fdx.doi.org%2F10.17485%2Fijst%2F2016%2Fv9i37%2F101982
Rajesh Kumar. B	Use of some advanced biofuels for overcoming smoke/NOx trade-off in a light-duty DI diesel engine.	Renewable Energy, 96, 687–699.	0960-1481	Oct-16	doi:10.1016/j.renene.2016.05.029
T.Venkatamuni, R.Devanathan and D.Christopherselvam	Effect Of Eggshell Composite Material For The Replacement Of Conventional Material	International Journal of Innovative Research and Advanced Studies (IJIRAS)	2394-4404	Nov-16	https://www.semanticscholar.org/paper/Effect-Of-Eggshell-Composite-Material-For-The-Of-Venkatamuni/074b6f73525612240f4875c6fb38c403167f53ac
S.Arun N.Balaji S Kannan	Investigation of Metal Removal Rate and Surface Finish on Inconel 718 by Abrasive Water Jet Machining	International Journal of Innovative Research in Advanced Engineering	2349-2763	Nov-16	http://dx.doi.org/10.17632/5vjzgxch8f.1
Yuvarajan D, Ravikumar J, Devanathan R	Emissions analysis on second generation biodiesel	Frontiers of Environmental Science & Engineering	ISSN: 2095-2201	Dec-16	10.1007/s11783-017-0891-0
D yuvarajan, D christopher Selvam	Emission Analysis of mustrad oil methyl oil methyl Ester at varying injection timing.	Indian Journal of Science and Technology	0974-5645	Dec-16	https://indjst.org/articles/emission-analysis-of-mustard-oil-methyl-oil-methyl-ester-at-varying-injection-timing
J.Ravikumar	Performance and emission analysis on blends of diesel, restaurant yellow grease and n-pentanol in direct-injection diesel engine	Environmental Science and Pollution Research	0944-1344	Feb-17	DOI: 10.1007/s11356-016-8298-1

S Kannan N Balaji S Arun	Vibration Analysis of Rotor using Cracks with Various Depth and Positions	International Journal of Engineering Trends and Technology (IJETT)	ISSN: 2231-5381	Mar-17	http://www.ijettjournal.org/2017/volume-45/number-9/IJETT-V45P281.pdf
Rajesh Kumar, B	A sustainable and eco-friendly fueling approach for direct-injection diesel engines using restaurant yellow grease and n-pentanol in blends with diesel fuel	Fuel, Elsevier	0016-2361	Apr-17	Fuel 193 (2017) 419–431
Rajesh Kumar. B	Optimization of DI diesel engine parameters fueled with iso-butanol/diesel blends–response surface methodology approach.	Fuel, Elsevier	0016-2361	Apr-17	http://dx.doi.org/10.1016/j.fuel.2017.04.083
N Balaji S Kannan S Arun	PERFORMANCE ANALYSIS OF FRICTION STIR WELDING ON ALUMINIUM AA7075 AND AA2024 ALLOY MATERIAL	International Journal of Engineering Research and Advanced Technology	ISSN: 2454-6135	Apr-17	DOI:10.5281/zenodo.495605
D. Muruganandam	Dissimilar metal study on C44300 tube to AA7075 -T651 tube plate with and without thread by FWTPET process	Journal of Mechanical Science and Technology	1738-494x(Print)/1976-3824(Online)	May-17	DOI 10.1007/s12206-017-0450-4