



DEPARTMENT OF MECHANICAL ENGINEERING

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Author Name	Title of the paper	Journal Name	ISSN Number	Year	Link
D.Arunkumar	Experimental and Numerical Analysis of Soil- to -Air Heat Exchanger System for Domestic Buildings	Thermal Science, VINČA Institute of Nuclear Sciences	Jun-19	ISSN 0354-9836	https://doi.org/10.2298/TSCI190714442D
Kannan S, Arun S, Arunkumar D	Investigation of Mechanical Properties of Hybrid Aluminium Metal Matrix Composite	International Journal of Engineering and Technology (IJET)	Aug-19	ISSN (Print) : 2319-8613 ISSN (Online) : 0975-4024	http://www.enggiournal.com/ijet/abstract.html?file=19-11-04-004
S.Boopathi	Experimental Investigation of Flame Stabilization Using Conical Bluff Body for Thrust Augmenters	AIP Conference Proceedings	Oct-19	ISBN: 978-0-7354-1906-3	https://doi.org/10.1063/1.5127626
S.Boopathi	Emission and Performance Investigation on CI engine by using soybeen methyl ester with ethanol additive	AIP Conference Proceedings	Oct-19	ISBN: 978-0-7354-1906-3	https://doi.org/10.1063/1.5127622
S.Gejendhiran, S.Vignesh, M.Kalaimani, S.Arokia Anicia	Process Parameters Optimization for Improving th Mechanical Properties of IS2062 MildsteelWeldments by GMAW	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Oct-19	ISSN: 2278-3075,	https://www.ijitee.org/wp-content/uploads/papers/v8i12/L38881081219.pdf
J. Ravikumar	Experimental Investigation on the Effect of Ignition Enhancers in the Blends of Sapota Biodiesel/Diesel Blends on a CRDi Engine	ENERGY AND FUELS	Nov-19	12431-12440	DOI: 10.1021/acs.energyfuels.9b02521
J. Ravikumar	Emission impact of pentanol on Pongamia biodiesel propelled diesel engine	International Journal of Ambient Energy	Nov-19	ISSN: 0143-0750 (Print) 2162-8246 (Online)	https://doi.org/10.1080/01430750.2019.1636883
N Mukilarasan	performance, combustion and emission charsterstic of disel engine fueled with jatrophha/disel engine	IJSRCSEIT	Dec-19	2456-3307	DOI : 10.32628/CSEIT19491144

D.Arunkumar, S.Kannan	investigation of heat transfer of wall with and without using phase change material	ScienceDirect Materials Today: Proceedings	Jan-20	2214-7853	https://doi.org/10.1016/j.matpr.2020.01.220
R.Devanathan J.Ravikumar D.Christopher Selvam S A Anicia	Influence in Mechanical Properties of Stir Cast Aluminium (AA6061) Hybrid Metal matrix Composite (HMMC) with Silicon Carbide, Fly Ash and Coconut coir Ash Reinforcement	ScienceDirect Materials Today: Proceedings	Mar-20	2214-7853	https://doi.org/10.1016/j.matpr.2020.03.450
S.Gejendhiran, S.Arokia Anicia, S.Vignesh, M.Kalaimani	Disruptive Technologies - A promising key for Sustainable Future Education	Procedia Computer Science	May-20	1877-0509	https://www.ijitee.org/wp-content/uploads/papers/v8i12/L38881081219.pdf
B. Rajesh Kumar	Effect of design parameters on performance and emissions of a CI engine operated with diesel-biodiesel-higher alcohol blends	Renewable Energy, Elsevier	Jun-20	0960-1481	https://doi.org/10.1016/j.renene.2019.10.049
Rajesh Kumar B	Effect of C3, C4, and C5 Alcohols Addition to Diesel in Conjunction with Injection Timing and Intake Dilution on the Characteristics of a DI Diesel Engine	Energy & Fuels, ACS	Jun-20	0887-0624	10.1021/acs.energyfuels.9b04198
D Arunkumar	Design and material characteristics of hybrid electric vehicle.	ScienceDirect Materials Today: Proceedings	Jun-20	2214-7854	https://doi.org/10.1016/j.matpr.2020.05.352
N Mukilarasan	computational fluid dynamics (CFD) analysis of the effect of size of the turbulent balls in fluidized bed colling tower	Test Engineering and Management	Jun-20	0193-4120	http://www.testmagazine.biz/index.php/testmagazine/article/view/12125/9246
D Arunkumar	performance emission characteristics of compressed ignition engine with alternative fuel.	ScienceDirect Materials Today: Proceedings	Jul-20	2214-7855	https://doi.org/10.1016/j.matpr.2020.06.191

N Mukilarasan	Experimental Thermal evaluation of Fluidized Bed Cooling Tower (FBCT) with various Bed elevations and Spherical turbulent balls	International journal of emerging trends in engineering research	Aug-20	ISSN 2347 - 3983	http://www.warse.org/IJETER/static/pdf/file/ijeter10882020.pdf
S. Boopathi, J. Ravikumar, R. Devanathan, S. A. Arokya Anicia	Injection and Exhaust Gas Recirculation Strategies for Reducing Emissions of Cyclohexanol-Diesel Blends in CI Engine	Advances in Materials and Manufacturing Engineering	Sep-20	978-981-15-6267-9	https://doi.org/10.1007/978-981-15-6267-9_33
J Ravikumar	Combined effect of oxygenated additives, injection timing and EGR on combustion, performance and emission characteristics of a CRDi diesel engine powered by sapota biodiesel/diesel blends	Fuel, Elsevier	Sep-20	0016-2362	https://www.sciencedirect.com/science/article/abs/pii/S0016236120310164
B.Rajesh Kumar	Collective influence of 1-decanol addition, injection pressure and EGR on diesel engine characteristics fueled with diesel/LDPE oil blends	Fuel, Elsevier	Oct-20	0016-2361	https://doi.org/10.1016/j.fuel.2020.118166
B.Rajesh Kumar	<u>A comprehensive study on the effects of 1-decanol, compression ratio and exhaust gas recirculation on diesel engine characteristics powered with low density polyethylene oil</u>	<u>ENERGY SOURCES</u>	Oct-20	Print ISSN: 1556-7036 Online ISSN: 1556-7230	https://doi.org/10.1080/15567036.2020.1833112
B.Rajesh Kumar	Effect of anisole addition to waste cooking oil methyl ester on combustion, emission and performance characteristics of a DI diesel engine without any modifications	Fuel, Elsevier	Oct-20	0016-2362	https://www.sciencedirect.com/science/article/abs/pii/S0016236120313119
N Mukilarasan	Emission control and reduction in fuel consumption of two-stroke Si engine using nano-fragment as a catalyst	AIP Conference Proceedings 2311	Dec-20	1551-7616	https://doi.org/10.1063/5.0034321