

## DEPARTMENT OF MECHANICAL ENGINEERING

### Journal Publications

S. No	Name of the faculty	Title of the paper	Journal name	Volume/issue / pp no	Year of publication
1.	Dr.M.Mohamed Abdul Hafeez	Optimization of Machining Parameters for Burr minimization in CNC turning of Materials using Genetic Algorithm and Response Surface Methodology	1st International Conference on Innovations in Thermal, Manufacturing, Structural and Environmental Engineering	-	To be published in Annexure I Anna University 2018
2.	Dr.G.Satish Pandian	Compressed Air powered Internal Combustion Engine	ICEMRE-2018,Conference Proceedings	-	2018
3.	Dr.R.Parthasarathi	FEA models of 3D printing process for fabricating a mini robot	International Journal of Scientific Research	135-140,2017	2018
4.	Dr.R.Parthasarathi	Design and Numerical Analysis in impeller cover planes by using special fixture	ICCET 2018 Padmavathy Engineering College	-	2018
5.	A.Sivasubramanian	Study on Fatigue life of A17075-7651 coated with oil	ICDAMS 2018	-	2018
6.	A.Sivasubramanian	Design of Vehicle for Physically Challenged using alternate energy	Journal of Material Engineering	-	2018
7.	Dr.P.Ganeshan	Optimization and Biodiesel production from Prosopsis Juliflora oil with high free fatty acids	Journal of Applied Fluid Mechanics Annexure-I	JAFM Vol 11,No1 DP 237-270,Jan 2018 ISSN 1735-3572	2018
8.	Dr.V.Nirmal Kannan	FEA models of 3D printing process for fabricating a mini robot	International Journal of Scientific Research	135-140,2017	2018
9.	P.Raju	Design and Analysis of Super sonic wing	International Journal of Advanced Resesarch in Management Architecture,Technology and Engineering	Vol 3	2017
10.	T.S.Kiruba Sankar	Productivity enhancement	ICCET	-	2018

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		using automation of removing refractory lining hydraulic mechanism			
11.	Dr.G.Satish Pandian	Productivity enhancement using automation of removing refractory lining hydraulic mechanism	ICCET	-	2018
12.	B.Arun	Productivity enhancement using automation of removing refractory lining hydraulic mechanism	ICCET	-	2018
13.	Dr.V.Nirmal Kannan	Productivity enhancement using automation of removing refractory lining hydraulic mechanism	ICCET	-	2018
14.	T.S.Kiruba Sankar	Compressed Air powered Internal Combustion Engine	ICEMRE-2018,Conference Proceedings	-	2018
15.	M.Dhanabal	Compressed Air powered Internal Combustion Engine	ICEMRE-2018,Conference Proceedings	-	2018
16.	P.Raju	Design and Numerical Analysis in impeller cover planes by using special fixture	ICCET 2018 Padmavathy Engineering College	-	2018
17.	Dr.R.Parthasarathy	Experimental Investigation Of Performance Emission and combustion characteristics of a constant speed TVI kirloskar DI diesel engine using emulsified diesel fuel	International Journal of Advanced Engineering Technology	0976-3945	2016
18.	Dr.G.Satish Pandian	Land fill selection criteria in recycling sector using MCDM tools	Ecology , Environment and Conservation	Vol No 22/ Issue No 04 2016 ISSN 0971-765x	2016
19.	Dr.G.Satish Pandian	Solid Waste Management Across the World-A Review	Ecology , Environment and Conservation	15.12.2016, Ref. No. EEC-2016-2443	2016

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20.	Dr.G.Satish Pandian	Land fill selection criteria in recycling sector using AHP tools	Ecology , Environment and Conservation	ISSN 0971–765X	2016
21.	P.Raju	CFD Analysis And Optimization Of A Car Spoiler	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
22.	C.V. Karthick Balamurugan	CFD Analysis And Optimization Of A Car Spoiler	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
23.	P.A. Nigal Ashik	CFD Analysis And Optimization Of A Car Spoiler	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
24.	T.Prem Anand	Wireless Power Transmission To UAV Using Laser Beaming	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
25.	R. Pandiarajan	Wireless Power Transmission To UAV Using Laser Beaming	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
26.	P.Raju	Wireless Power Transmission To UAV Using Laser Beaming	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
27.	N.Senthil Kumar	Numerical simulation of various flows over a square cavity	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
28.	M.Revathi	Numerical simulation of various flows over a square cavity	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
29.	P.Raju	Numerical simulation of various flows over a square cavity	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
30.	S.Bhagavathi shankar	Implementation of aerogel in two wheeler exhaust system	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
31.	T.S.Kirubashankar	Implementation of aerogel in two wheeler exhaust system	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
32.	V.Selvaraj	Implementation of aerogel in two wheeler exhaust system	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
33.	R.Silambarasan	Design and thermal analysis of a partial ceramic coated piston of SI engine	International advanced research journal in science, Engineering and technology	2393-8021/vol. 2	2015
34.	S.Bala Krishnan	Design and thermal analysis of a partial ceramic coated piston of SI engine	International advanced research journal in science, Engineering and technology	2393-8021/vol. 2	2015

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35.	A.Selvarasu	Design and thermal analysis of a partial ceramic coated piston of SI engine	International advanced research journal in science, Engineering and technology	2393-8021/vol. 2	2015
36.	S.Vinoth Kumar	The optimisation of various cross section flow in numerical analysis of PEM fuel cells by using CFD	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
37.	R.Dinesh Kumar	The optimisation of various cross section flow in numerical analysis of PEM fuel cells by using CFD	International Journal Of Modern Engineering Research	0973-4562/vol. 5	2015
38.	C.Arun	The optimisation of various cross section flow in numerical analysis of PEM fuel cells by using CFD	International Journal Of Modern Engineering Research	0973-4562/ Vol.5	2015
39.	C.Ragunathan	Measurement techniques and instruments for measurement of dynamic characteristics of gear pump	Indian journal of science and technology	0974-6846/ Vol.8(14 )	2015
40.	P.Raju	Simulation of script writing robot in RRL configuration (SCARA)	International journal of Engineering research and application	2248-9622/ Vol.4	2014
41.	Dr.R.Parthasarathi	Effects of ethanol diesel emulsion on the performance, combustion and emission characteristics of DI diesel engine	Asian journal	1546-9239	2014
42.	Dr.R.Parthasarathi	Experimental investigation on DI diesel engine fueled with diesel ethanol emulsion	Research journal of applied science , Engineering and Technology	2040-7459	2014
43.	M.Mohamed Abdul Hafeez	Investigation of machining parameters for BURR minimisation in CNC turning of brass using RSM and GA	Applied mechanics and materials	Vol.627	2014
44.	M.Mohamed Abdul Hafeez	Investigation of machining parameters in CNC turning of EN3 Low carbon steel using genetic algorithm and response	Applied mechanics and materials	Vol.592-594	2014

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		surface methodology			
45.	S.Vinoth Kumar	Thermal density factor analysis of proton exchange membrane by using CFD	International organisation of scientific research	2278-1684/Vol .11	2014
46.	Dr.S.Suyambazhah an	Computational study of flow maldistribution on the thermal hydraulic performance of an intermediate heat exchanger in LMFBR	Journal of Nuclear science and technology	Vol.51	2014
47.	M.Satheish Kumar	Design of S shaped inlet for aircraft engine and analysis	International journal of Engineering and research	2321-7758/Vol .2	2014
48.	C.Ragunathan	Analysis Mechanical behaviour of Hydro dynamic gear pump using Taughi and response surface method	International Journal Of Mechanical And Mechatronic Engineering	Vol.14	2014
49.	Dr.S.Suyambazhah an	Nano fluids for solar collector applications A Review	6th International Conference On Applied Energy	-	2014
50.	Dr.S.Suyambazhah an	Simulation studies of 0-3 piezoelectric polymer composite for ultrasonic transducer	National conference on materials for modern world	-	2014
51.	P.S.Gowthaman	Analysis Of Segmental And Helical Baffle In Shell And Tube Heat Exchanger	International Journal of current Engineering and Technology	2277-4106	2014

#### Book Publications:

- **Basic Civil and Mechanical Engineering** (Mr.P.Raju and Mr.B.Arun)
- **Principles of Management** (Mr.P.Raju and Mr.A.Selvarasu)
- **Fluid Mechanics** (Dr.G.Sathish Pandian, Mr.Dhanabal and Mr.Kailasam)
- **Thermal Manual** (Mr.Dhanabal, Mr.P.Raju and Mr.T.S.Kirubashankar)

