



# PANIMALAR ENGINEERING COLLEGE

Bangalore Trunk Road, Nasarathpet, Poonamallee, Chennai- 600 123

2016-17

## DEPARTMENT OF MECHANICAL ENGINEERING



### FACULTY PUBLICATION – JOURNAL (NATIONAL/INTERNATIONAL)

S.NO	AUTHOR NAME	PAPER TITLE	ISSUE/VOLUME /PAGE NO	JOURNAL NAME	PUBLISHER NAME	DOI IF ANY	INDEXING
1	<b>T.Mayavan</b> <b>Dr.L.Karthikeyan</b> Dr.V.S.Senthilkumar	Experimental and Numerical studies on isothermal and non-isothermal deep drawing of IS513 CR3 steel sheets	Vol . 25/11 4837-4847	Journal of materials engineering and performance	Springer		SCI
2	<b>A.Anbarasu</b> A.Karthikeyan M. Balaji	Performance and emission characteristics of diesel engine using alumina nano particle blended Bio Diesel emulsion fuel	Vol . 138 022203(1-6)	Journal of energy resources technology	ASME		SCI
3	<b>A.Anbarasu</b> A.Karthikeyan	Performance and Emission characteristics of diesel engine using cerium oxide nanoparticle blended biodiesel emulsion fuel	Vol. 142 (1) 04015009 : 1-7	Journal of Energy Engineering, ASCE	ASCE		SCI
4	<b>R. Sathiyamoorthi</b> G. Sankaranarayanan	Effect of antioxidant additives on the performance and emission characteristics of a DI-CI engine using neat lemongrass oil-diesel blend	Vol . 174 89-96	Fuel	Elsevier Sci Ltd		SCI
5	Yuvarajan.D, Ravikumar.J, <b>Dinesh Babu M</b>	Simultaneous optimization of smoke and NOx emissions in a stationary diesel engine fuelled with diesel-oxygenate blends using the grey relational analysis in the Taguchi method	Vol.8(32) 6222–30	Analytical Methods	Royal Soc Chemistry		SCI



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6	<b>A.Anbarasu</b> A.Karthikeyan	Diesel engine performance and emission evaluation using canola biodiesel emulsion fuel	Vol 14, issue 3 174 - 181	Australian journal of Mechanical Engineering	Taylor & Francis		Scopus
7	<b>K.R.Padmavathi</b> R. Ramakrishnan	Tribological and Mechanical Characterization of Aluminum Metal Matrix Composites	Vol 9 (SI 1) 1 - 6	Indian Journal of Science and Technology	Indian Society of Education and Environment		Scopus
8	<b>M.Puviyarasan,</b> V.S. Senthil Kumar	Multi-Response Optimization of Friction Stir Process Parameters in Fabricating AA6061-SiCp Composites Using Desirability Function Analysis	Vol.22,No. 4-I 3994-4007	Journal of the Balkan Tribological Association	SciBulCom LTD		Scopus
9	<b>MohanGift.MD</b> Selvakumar. J John Alexis	Analysis of crack propagation in an Adhesive Joint	vol. 14,S2 485-496	Int. J. Chem. Sci.	Trade Science Inc.		Scopus
10	<b>Sathiyamoorthi R.</b> Sankaranarayanan G.	Fuel injection timings of a direct injection diesel engine running on neat lemongrass oil-diesel blends	Vol . 11 2348-2363	International Journal of Automotive and Mechanical Engineering	The Automotive Engineering Centre (AEC)		Scopus
11	<b>DineshBabu.M</b> Yuvarajan.D	Analysis on the Influence of Nanoparticles of Alumina, Copper Oxide, and Zirconium Oxide on the Performance of a Flat-Plate Solar Water Heater.	Vol.30(11) 9908-13.	Energy& Fuels	ACS Publications		Scopus
12	<b>DineshBabu.M</b> VenkataRamanan M	Experimental Analysis on the Performance of a Solar Flat Plate Water Heater with and Without Fins.	Vol 38 issue 6	International Journal of Ambient Energy.	Taylor & Francis		Scopus



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13	<b>DineshBabu.M</b> <b>VenkataRamanan M</b>	. Modelling And Validation Of Solar Flat Plate Water Heating System Subjected to Varying Absorber Geometries.	vol. 14. no. 4 2259-2264	Journal of Chemical Sciences	Trade Science Inc.	Scopus
14	<b>MS.Jagatheeshwaran,</b> A.Elayaperumal, S Arulvel	The role of calcinated sea shell particles on friction-wear behavior of electrolessNiP coating: Fabrication and characterization	Vol.304 492-501	Surface and Coatings Technology	Elsevier	Scopus
15	S Arulvel, A Elayaperumal, <b>MS Jagatheeshwaran</b>	Discussion on the feasibility of using proteinized/deproteinized crab shell particles for coating applications: Synthesis and characterization	Vol.4(4) 3891-3899	Journal of Environmental Chemical Engineering	Elsevier	Scopus
16	Pradeep.P Edwin Raja Dhas.J <b>Suthan.R</b> Jayakumar.V	Characterization of palm fibers for reinforcement in polymer matrix	Vol.11, No.12 7927-7930	ARP journal of Engineering and Applied Sciences	ARP	Scopus
17	<b>T. Mayavan</b> <b>L. Karthikeyan</b> S. Akash babu	Formability studies on galvanized steel sheets using forming limit diagram and limiting drawing ratio	Vol . 37 65-68	International journals of technical research and applications	Sadguru Publications	Google scholar
18	<b>K. Thiruselvam</b> Melvin malikaraj B. Mohan T. Rajesh kumar P. K. Sasikumar	Thermal barrier coating in IC Engine	Vol . 10518 413-418	Journal of chemical and pharmaceutical science	Journal of chemical and pharmaceutical science	Google scholar
19	<b>L. Karthikeyan</b> <b>B. Balamugundan</b>	Effect of material properties and cutting parameters on burr	Vol . 37 6-11	International journals of	International journals of	



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	O. F. Aarthifahmed	formation during milling of pre and post thermally treated AA6061-T6 alloys		technical research and applications	technical research and applications		Google scholar
20	<b>R. Sathiyamoorthi</b> <b>M. Puviyarasan</b> B. Bhuvaneshkumar D. Breslinjoshua	Effect of ceo2 nano additive on performance and emission characteristics of diesel engine fuelled by neem oil-biodiesel	Vol.14 (S2) 473-484	International Journal of Chemical Sciences	AZ journals		Google Scholar
21	<b>V.Rajangam</b> <b>M.Raghupathi</b> <b>S.Sridharan</b>	Experimental comparison of oxygenated vis-à-vis nano doped biodiesel-ethanol blends in a CI engine	Vol.14 (S2) 581-589	Int. J. Chem. Sci.	AZ journals		Google Scholar
22	<b>M. Raghupathi</b> <b>M. Saravanan</b> <b>G. Sivakumar</b>	Comparison of Crash Worthiness of Two Materials Used in Bus Skeletal Frame	Vol . 2(2) 22-30	American Journal of Materials Research	Hanser Publishers		Google Scholar
23	<b>Murugesan.J</b> <b>Gunasekar.J</b> <b>Naveen.K</b>	Delamination behavior of 220 & 600 GMCC fiber reinforced composite with epoxy laminates using DCB mrthod	Vol.3 / 1 / 51 296-301	International Journal of Science Technology & Engineering	International Journal of Science Technology & Engineering		Google Scholar

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### FACULTY PUBLICATION - CONFERENCES

S.NO	AUTHOR NAME	PAPER TITLE	CONFERENCE NAME	VENUE NAME	DATE OF CONFERENCE
1	<b>K.R.Padmavathi</b> R.Ramakrishnan	Comparison of friction and wear properties of Aluminum SiC and Aluminum TiO <sub>2</sub> Metal Matrix Composites	International Conference on Materials, Design and Manufacturing Process <b>ICMDM'16</b>	CEG, Anna university	Feb. 2016
2	<b>Mohan Gift.M.D</b> Selvakumar. J John Alexis	Analysis of crack propagation in an Adhesive joint	International Conference on recent advancement in Mechanical Engineering and Technology, <b>(ICRAMET 2016)</b>	Arupadaivedu institute of technology	2016

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