

PAPER PUBLICATIONS BY FACULTY MEMBERS
DEPARTMENT OF MECHANICAL ENGINEERING
International Journal

ACADEMIC YEAR: 2017 – 2018

Sl No	Paper Details	SCI/SCOPUS/NON SCOPUS	IMPACT FACTOR	Name of the staff
1.	George Sahaya Nixon R, Mohanty B S and Bhaskar G B, “Effect of process parameters on physical measurements of AISI316 stainless steel coating on EN24in friction surfacing”, Materials and Manufacturing Processes _Vol. 33, Iss. 7, 2018 pp 778-785 DOI: 10.1080/10426914.2017.1388524. 2017.	SCI Indexed	2.274	Dr. B S Mohanty
2.	R. George Sahaya Nixon, B. S. Mohanty , “Characterization of Friction-Surfaced SS316 Overlaid on Medium-Carbon Steel”, Silicon, Spinger, https://doi.org/10.1007/s12633-017-9612-3 ,	SCI Indexed	0.829	Dr. B S Mohanty
3.	Karthik Panchabikesan , Antony Aroul Raj Vincent , Yulong Ding , Velraj Ramalingam “Enhancement in free cooling potential through PCM based storage system integrated with direct evaporative cooling (DEC) unit”, Energy 144 (2018) 443 – 455	SCI Indexed	4.52	Dr V Antony Aroul Raj
4.	VR Karthik Panchabikesan, , Antony Aroul Raj , Sujatha Abaranji, Pandiyarajan “Effect of direct evaporative cooling during the charging process of phase change material based storage system for building free cooling application—A real time experimental investigation”, Energy and buildings 152 (1), 250-263 2017	SCI Indexed	4.067	Dr V Antony Aroul Raj
5.	G.K. Sathishkumar , G. Rajkumar, K. Srinivasan, M.J. Umaphathy C. “Structural analysis and mechanical properties of lignite fly-ash-added jute–epoxy polymer matrix composite”, Journal of Reinforced Plastics and Composites Vol 37, Issue 2, pp. 90 – 104, 2017.	SCI Indexed	1.086	G.K. Sathishkumar ,
6.	K. Raj Kiran, S.Prasanna Raj Yadav , C. G. Saravanan, E. James Gunasekaran ,Ramesh Perumal. “Computational Analysis of Combustion, Performance And Emission Characteristics On Di Diesel Engine With Variable Intake Geometries”, Journal of Advanced Research in Dynamical and Control Systems , Spl Issue 14, pp 465-476, 2017.	SCOPUS	0.297	Dr S.Prasanna Raj Yadav
7.	Joel C, Elumalai B, Anand S, Padmanabhan S , “Design And Analysis Of Sports Bike Wheel Spokes”, Journal of Advanced Research in Dynamical and Control Systems , Spl Issue 14, pp 477-485, 2017.	SCOPUS	0.297	Joel C, Elumalai B, Anand S, Padmanabhan S
8.	Sivasaravanan.S, Padmanabhan.S , Sai Akash, Shankara Narayanan H, “Mechanical Characterization Of GFRP/CFRP/Natural Fiber Laminated In Epoxy Resin Composite”, Journal of Advanced Research in Dynamical and Control Systems , Spl Issue 14, pp 497-504, 2017.	SCOPUS	0.297	Dr S Padmanabhan

9.	Sivasaravanan.S, Padmanabhan.S , Sathish Kumar K ,Jishnuvardhan Reddy, “ Fabrication of Porous Composite Material For Crash Energy Absorption”, Journal of Advanced Research in Dynamical and Control Systems , Spl Issue 14, pp 486-496, 2017.	SCOPUS	0.297	Dr S Padmanabhan
10	K.Giridharan, V.Jaiganesh, B.YokeshKumar , “Studies on Friction Stir Welding Process Parameters Of Dissimilar Alloys”, Journal of Advanced Research in Dynamical and Control Systems , Spl Issue 18, pp 1927-1936, 2017	SCOPUS	0.297	K Giridharan
11	S.Prasanna Raj Yadav “An Experimental Investigations on the Effects of Intake Manifold Design and Use of Bio fuel In DI Diesel Engine”, <i>International Journal of Ambient Energy, 2018, doi :10.1080/01430750.2017.1422150</i>	SCOPUS	0.654	Dr S.Prasanna Raj Yadav

ACADEMIC YEAR: 2016 – 2017

S. No.	Paper
1.	M.Raja Gopalan, R Dinesh BAbu, V.Antony Aroul Raj , R. Velraj, “Investigation on phase change material-based flat plate heat exchanger modules for free cooling applications in energy-efficient buildings” <i>Advances in Building energy research 2016.</i>

ACADEMIC YEAR: 2015 – 2016

S. No.	Paper
2.	Sriram Ravi and Ramadoss.R ,”Effect of Mechanical and Metallurgical Properties of Friction Welded Dissimilar Materials (AISI 316L Stainless Steel and Pure Copper)”, Vol -3, Issue - 11, 2321-9653, pp 32 - 38, June 2015.
3.	E.Devandiran1, V.S.Shaisundaram , S.Ramabishek, “An analysis of FBC boiler performance on different types of coal”, <i>International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.68, 2015.</i>
4.	V.S.shaisundaram , S.S.Shai monish, J.sathyaraj, S.Suryaprakash, Pa.Vignesh, R. Vigneshkumar, “Emission Characteristics of CI Engine by using Palm Bio-Diesel”, <i>Int. Journal of Engineering Research and Applications ISSN: 2248-9622, Vol. 5, Issue 9, (Part - 2), pp.43-48, 2015.</i>

5.	Antony AroulRaj.V, Hariharan.C, Velraj.R and Seeniraj.R.V , “Numerical Investigations of Outward Solidification in Cylindrical PCM Storage Unit”, Applied Mechanics and Materials, Vol -787, 1662-7482, pp 177 - 181, August 2015.
6.	V.S.ShaiSundaram, S.Yogaraj, S.Anand and E.Devandiran , “Nuclear-powered stirling engines in electric power Generation plants”, International Journal of Research and Development organization, Vol -2, Issue -12, 3855-0154, pp 19 - 27, December 2015.
7.	Shai Sundaram V.S, E.Devandiran, V.Elango, S.Sabeesh Kumar, S.SharunKutty and S.Sujith , “Waste Heat as an Alternate Source for Electricity”, International Journal of Current Engineering and Technology, Vol -5, Issue - 5, 2347 – 5161, pp 3340 - 3343, October 2015.
8.	Ayyasamy Krishnamoorthy Babu, V Antony Aroul raj , G. Kumaresan, “Misfire Detection in a Multi-Cylinder Diesel Engine: A Machine Learning Approach”, Journal of Engineering Science and Technology, Vol. 11, No. 2 (2016) 278 – 295, Feb 2016.
9.	Sabyasachi Mukherjee & P. Sivaniranjan , “Design of A Temperature Control System Using MATLAB For Milk Process Plant”, International Journal of Multidisciplinary Research and Modern Education (IJMRME), ISSN (Online): 2454 – 6119, Volume II, Issue I, pp 339 - 412, 2016
10.	T. Sunil Prasad* & Dr. R. Ramadoss , “Fatigue crack Growth Studies on Corten Steel”, International Journal of Multidisciplinary Research and Modern Education (IJMRME), ISSN (Online): 2454 – 6119, Volume II, Issue I, pp 421 - 425, 2016
11.	K. L. Naresh Raj & K. G. Ashok , “Design and Fabrication of Vibration Damping Pad Using Luffa Cylindrica Fiber Reinforced Polymer Composite”, International Journal of Multidisciplinary Research and Modern Education (IJMRME), ISSN (Online): 2454 – 6119, Volume II, Issue I, pp 441 - 448, 2016
12.	M. Sanju Edwards & V. G. Ganesan , “Performance Study of Mixing Agitator Using Computational Fluid Dynamics”, International Journal of Multidisciplinary Research and Modern Education (IJMRME), ISSN (Online): 2454 – 6119, Volume II, Issue I, pp

	449 - 460, 2016
13.	T. Nagavignesh & K. Karthikeyan , “Design and Fabrication of Aerial Vehicle”, International Journal of Multidisciplinary Research and Modern Education (IJMRME), ISSN (Online): 2454 – 6119, Volume II, Issue I, pp 526 - 533, 2016
14.	M. Anbarasan & Dr. V. Elango , “Design and Fabrication of Unmanned Vehicle”, International Journal of Multidisciplinary Research and Modern Education (IJMRME), ISSN (Online): 2454 – 6119, Volume II, Issue I, pp 623 - 631, 2016
15.	M. Thoufiq Ahamed & K. Senthil Nathan , “Optimization of Gas Flow Through Duct Burner” ,International Journal of Multidisciplinary Research and Modern Education (IJMRME), ISSN (Online): 2454 – 6119, Volume II, Issue I, pp 632 - 639, 2016
16.	Shiju.J, Hariharan.C, ” Design & Analysis of Twisted Tape Twist Ratio Performance of Heat Exchanger”, International Journal of Engineering Research in Mechanical and Civil Engineering, Volume I, Issue I, pp 26 – 29, 2016

ACADEMIC YEAR: 2014 – 2015

S. No.	Paper
1.	V.Mugendiran, A.Gnanavelbabu and R.Ramadoss , “Parameter optimization for surface roughness and wall thickness on AA5052 Aluminium alloy by incremental forming using response surface methodology”, ScienceDirect, Procedia Engineering 97, 1877-7058, 1991 – 2000, 2014
2.	D. Loganathana, A. Gnanavelbabu, K. Rajkumar and R. Ramadoss , “Effect of Microwave Heat Treatment on Mechanical Properties of AA6061 Sheet Metal”, ScienceDirect, Procedia Engineering 97, 1877-7058, 1692 – 1697, 2014
3.	Karthikeyan.K, Shrenik.V, Manikandan.G, Pillai MadhushankarSubramonia, Ramachandran.S, “A Vehicle for Physically Challenged”, International Journal of Engineering Research in Electronics and Communication Engineering, Vol. 1, Issue 2, 2015.
4.	V.S.Shaisundaram, S.Yogaraj, D. Sakthimurugan, “Solar Photovoltaic option for meeting power demand” at Pondicherry Engineering college International Journal of Innovative Research in Science, Engineering and Technology, Volume 4, special Issues 2, 2015.

5.	P. Krishna, A. K. Babu, A. P. Singh and Antony Aroul Raj V , “Reduction of NOx in a Diesel Engine using Split-Injection Approach”, Journal of Engineering Science and Technology, Vol -10, Issue - 5, 1823-4690, pp 552 – 570, May 2015
6.	VivekananthanKarthikeyan, SsheshanPugazhendhi, Sai Krishnan Subramanium and Antony Aroul Raj V , “CFD Investigation of Influence of Span wise Pitch on Local Heat Transfer Distribution for In-Line Array of Impinging Jets for Medium Cross flow”, Vol. - 4, Issue - 3, 2319 - 8753, pp 1284 - 1291, March 2015.
7.	D Balajee , G Sankaranarayanan and K Sai Prashanth, “Optimization of a stationary VCR CI engine fuelled with Dunaliellasalina oil and Corn oil using Taguchi approach”, International Journal of Applied Engineering Research, Vol. - 10, Issue - 19, 0973-4562, pp 14868-14882, November 2015.
8.	Balajee S B , Balaji P , Shreyas J and Satheesh K , “An Overview of X-By Wire Systems”, International Journal of Innovative Research in Science, Engineering and Technology, Vol - 4, Issue - 3, 2319 – 8753, pp 183 - 192, March 2015.
9.	Felix A , ManojThirupathi S and Satheesh K , “An Overview of Transport Management Technologies”, International Journal of Innovative Research in Science, Engineering and Technology, Vol - 4, Issue - 3, 2319 – 8753, pp 152 - 159, March 2015.

ACADEMIC YEAR: 2013 – 2014

S. No.	Paper
1.	D Balajee , G Sankaranarayanan, P Harish and N Jeevarathinam, “Performance and Combustion Characteristics of CI Engine With Variable Compression Ratio Fuelled with Pongamia and Jatropha and its Blends with Diesel”, International Journal of Mechanical Engineering and Robotic Research, Vol - 2, No. 3, 2278 - 0419, 74 - 84, July 2013
2.	KrishnakumariAharamuthu ,ElayaperumalAyyasam, “Gear fault diagnosis using vibration signals based on decision tree assisted intelligent controllers, Vibroengineering”. Journal of Vibroengineering, ISSN 1392-8716, Volume 15, Issue 4, 1826-1837, 2013.

3.	A.S. Ramana, R. Venkatesh, V. Antony Aroul Raj and R. Velraj, “Experimental investigation of the LHS system and comparison of the stratification performance with the SHS system using CFD simulation”, Vol - 103, 0038-092X, 378–389, February 2014.
4.	S.Jaichandar ,K.Annamalai and P.Arikaran , “Comparative evaluation of pongamia biodiesel with open and re-entrant combustion chambers in a DI diesel engine”, International Journal of Automotive Engineering and Technologies, Vol. 3, Issue 2,2146-9067, pp. 66 – 73, April 2014.
5.	S.Jaichandar , K.Annamalai, V.Elango , P.Arikaran & V. Antony Aroul Raj , “Effects of varying the compression ratio on the performance of a biodiesel fuelled diesel engine”, International Journal of Automotive Engineering and Technologies, Vol - 3, Issue - 3, 2146-9067, pp. 103 - 110, April 2014.