

**D.Y.Patil.College of Engineering Akurdi Pune -44**

**Department of Mechanical Engineering**

**Research Publications**

**A. Faculty Publication 2016-17**

<b>Sr. No</b>	<b>Title of Paper</b>	<b>Journal Title</b>	<b>Date and Year of Publication</b>	<b>Name of Authors</b>	<b>DOI No</b>	<b>Volume &amp; Pages</b>	<b>ISBN/ ISSN No</b>	<b>Impact factor</b>
1	Implementation of The Comprehensive Technique of Lean Manufacturing in Small Scale Process Industries: A Case Study		01-Jun-16	Shyamsing V. Thakur, Dr. A. G. Matani	NA	NA	ISSN 2278 – 5469 EISSN 2278 – 5450	
2	Design and Analysis of Intake and Exhaust System of SAE Supra Race Car	International Research Journal of Engineering and Technology	06-Jun-16	Rahul Puri, HarshalDarade, YogeshSupekar, SushantUlavi,Santosh Kumar Bawage	NA	Volume:03	e-ISSN: 2395-0056 p-ISSN: 2395-0072	3.935
3	Design of Steering System in Race Cars: A Review	International Journal for Scientific Research & Development	2016	Pushpak, GauravBihani, Nidhi Nair, Aparna Patil, Vivek V. Diware	NA	Volume:03	ISSN (online): 2321-0613	2.39
4	Finite Element Analysis of Stacked U-Tube Heat Exchanger	International Journal of Engineering Trends and Technology (IJETT)	September 2016.	SonaliGholap, SushantPande, D. R. Panchagade	NA	Volume 39 , Number 3	ISSN 2231-5381	0.456
5	Suspension System For An All-Terrain Vehicle: A Review	International Journal of Engineering Research and General Science	May-June, 2016	KameshJagtap, YogeshRathod, AnmayShedge, MitaliGramopadhye, VivekDiware	NA	Volume 4	ISSN 2091-2730	3.72
6	Tribological and Thermal Properties of Hexagonal Boron Nitride filled High-Performance Polymer Nano-Composites	Journal of Applied Polymer science	28th august 2016	Manoj. D. Joshi, A. Goyal, S. M. Patil, R. K. Goyal	J. APPL. POLYM. SCI. 2016, DOI: 10.1002/APP.44409		44409	1.6
7	Low Cost Cooling for Poultry	International Journal of Engineering applications and Technology	2016	Ralebhat Rahul, KothmirePramod	NA	Volume 4, Issue 06	ISSN 2321-8134	2.99
8	Heat Stress Management Practices in Poultry	IJSRD - International Journal for Scientific Research & Development	2016	Ralebhat Rahul, KothmirePramod	NA	Vol. 4, Issue 06,	ISSN (online): 2321-0613	

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9	Analysis and Design of Fuel Theft Prevention and Automation	International Journal of Engineering Sciences & Research Technology	July 2016.	Mr. Ravindra S. Lahane, Mr. Nilesh Pawar, Mr. Swapnil Ghogardare	NA		ISSN 2277-9655	4.11
10	Phosphoric acid doped poly (2, 5-benzimidazole)-based proton exchange membrane for high temperature fuel cell application	Journal Polymer Engineering & Science	01-06-2016	Ratikanta Nayak, Tapobrata Dey, Prakash C Ghosh, Arup R Bhattacharyya	DOI10.1002/Pen.24370			1.71
11	Study of Effect of Change in Air Properties and Angle of Attack on Aerodynamic Forces of NACA0018	International Journal of Current Engineering and Technology	(June 2016)	Abhijeet K Thosar, S. L. Pachpute, Tapobrata Dey	NA	Issue-5 P-403-408	E-ISSN 2277 – 4106, P-ISSN 2347 – 5161	6.12
12	Experimental Study of Latent Heat Thermal Energy Storage System using PCM with Effect of Metal Configurations and Nano particles	International Journal of Current Engineering and Technology	20-Jun-16	Prasad Patil and Tapobrata Dey	NA	Issue-5	E-ISSN 2277 – 4106, P-ISSN 2347 – 5161	6.12
13	Velocity Measurements using UDV in Rotating Annulus Subjected to Quasi 2D Temperature variations	International Journal of Current Engineering and Technology	20-Jun-16	Sunil Yadav, Ayan Banerjee, Tapobrata Dey and Sridhar Balasubramanian	NA	Issue-5	E-ISSN 2277 – 4106, P-ISSN 2347 – 5161	6.12
14	Level set based Immersed Boundary method and its application to CFD simulation for moving boundary problem	International Journal of Current Engineering and Technology	2016	Deepak. S. Patil, Atul Sharma, Namshad T, Tapobrata Dey	NA	Issue-5 Pages 204-209		6.12
15	Study on High Speed Spin Test of Hydraulic Dynamometer by Test Rig Facility	International Research Journal of Engineering and Technology (IRJET)	2016	Ashish R. Pawar, Kiran G. Shinde, Tapobrata Dey, Kiran Narkar	NA	Volume-3 Issue-5 p-1377-1383		6.12
16	A Review on - Fluid Structure interaction	International Journal of Innovative and Emerging Research in Engineering	2016	Deepak. S. Patil, Tapobrata Dey	NA	Volume-3 Issue-3 p-61-64		3.47
17	Effects of Lean Burn and Stoichio. Burn Combustion on Multicylinder SI Engine Using Hydrogen and CNG Blends	Iranian Journal of Science and Technology. Trans Mech Eng.	30-Sep-16	P. T. Nitnaware, J. G. Suryawanshi	10.1007/s40997-016-0038-0			1.045
18	Effects of equal spark timing on performance emission and combustion characteristics of SI engine using hydrogen and CNG blends	Journal of Brazilian Society of Mechanical Science Engg	04-Mar-16	Pravin T. Nitnaware, Jiwak G. Suryawanshi	10.1007/s40430-016-0508-8			0.963

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19	Investigation on Performance of CI engine Fuelled with Hydrogen Peroxide as an additive	International Journal of Scientific & Engineering Research	01-Nov-16	Laxman Khose, Samadhan Bhosale	NA	Volume 7, Issue 11	ISSN 2229-5518	
20	Design and Development of Vacuum Compartment for Refrigerator: A Critical Review	International Journal of Modern Trends in Engineering and Research (IJMTER)	December – 2016	Prof. Ajay Pathak, Prof. Deepak Sharma and Prof. AnupChaple	10.21884/IJMTER.2016.3152, PP38V	Volume 03, Issue 12	ISSN (Online):2349–9745; ISSN (Print):2393-8161	3.518
21	Testing of Solar Grain Dryer	International Journal of Science and Research (IJSR)	11-Nov-16	Manikarnika Mane	NA	volume 5		
22	Effect of High Speed Dry Machining on Surface integrity and Biodegradability of Mg-Ca1.0 Biodegradable Alloy	Science Direct Materials Today: Proceedings00 (2016) 000–000	2016	Sandeep Desai, Raju Pawadeb, Hemant Warhatkar	NA			
23	Investigation on Conversion of Municipal Plastic Wastes into Liquid Fuel Compounds, Evaluation of Engine Performance and Emission Characteristics	International Research Journal of Engineering and Technology (IRJET)	Dec -2016.	Sachin Marjapure, Vikram Kulkarni, Santosh Kumar Bawage	NA	Volume: 03 Issue: 12	e-ISSN: 2395 -0056, p-ISSN: 2395-0072	4.95
24	Structural Analysis of Bulkhead	International Research Journal of Engineering and Technology (IRJET),	Dec -2016.	Vikram Kulkarni, Santosh Kumar Bawage, Sachin Marjapure	NA	Volume: 03 Issue: 12	e-ISSN: 2395 -0056, p-ISSN: 2395-0072	4.95
25	Optimization and thermal analysis of Friction Drilling on Aluminium and Mild Steel by using Tungsten Carbide Tool	International Research Journal of Engineering and Technology (IRJET)	Dec -2016.	Sushant Sunil Patil, VinayakBembrekar	NA	Volume: 03 Issue: 12	e-ISSN: 2395 -0056p-ISSN: 2395-0072	
26	Analysis of Gear Pair Contact to Pridict Efficiency	International Journal Of Advances In Production and Mechanical Engineering (IJAPME)	2015	Mr. Ravindra S. Lahane, Dr. H. P. Jawale	NA	Volume-1	ISSN(Print):2394-6202,(Online):2394-6210	
27	stiffness and Damping Characteristics of lubricated Rolling Element Bearing	International Journal of Innovative Research in Science Engineering and Technology(IJRSET)	Nov-16	Mahesh Choudhari,Ravindralahane	NA	Volume-5,Issue-11	ISSN(Print):2319-8753, (Online):2347-6710	

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28	Experimental Analysis of Jacket Cooling of S I Engine and Study of Operating Parameters And Emissions	International Journal of Advances in Engineering & Technology	Feb., 2017	Avinash Gangadhar Virale , Pravin T. Nitnaware	NA	Vol. 10, Issue 1, pp. 113-121	ISSN: 22311963	
29	An Experimental Study of a Simple Vapour Compression Refrigeration System with Varying Parameters	International Engineering Research Journal (IERJ)	Jun-16	Harshad D Kopurwar, Pravin T Nitnaware, Tapobrata Dey	NA	Special Issue Page- 1104 - 1108	ISSN 2395-162	2.76
30	Heat Transfer through Double Pipe type of Heat Exchanger by using Insert of corrugated Twisted Tape and its Analysis	International Engineering Research Journal (IERJ)	Jul-16	Sonawane Snehal M, NitnawarePravinT, TapobrataDey	NA	Special Issue Page 730-743	ISSN 2395-1621.	2.76
31	A new modified-serpentine flow field for application in high temperature polymer electrolyte fuel cell	Applied Energy	Received 3 December 2016 Received in revised form 27 February 2017 Accepted 5 March 2017.	Debanand Singdeo , Tapobrata Dey , Shrihari Gaikwad , Søren Juhl Andreassen , Prakash C. Ghosh	NA	page 13–22		5.7
32	Design Analysis and Fabrication of Three Link Screw Jack	International Journal for Research & development in Technology	Feb., 2017	Ashwini Patil, Shreyash Padile , Khalid Mulla , Saurav Ranjan , Asst. prof. Vivek Diware	NA	Volume-7,Issue-2 (Feb-17)	ISSN (O) :- 2349-3585	3.82
33	Use of exhaust heat energy of two wheelers to generate power by seebeck effect	International Research Journal of Engineering and Technology (IRJET)	Jan.,2017	Shubham Suryawanshi,Manasi Sonawane,Arpit Sharma,Shraddha Kshirsagar,Vivek Diware	NA	Volume: 04 Issue: 01	e-ISSN: 2395 -0056 p-ISSN: 2395-0072	Impact Factor value: 5.181
34	Design And Fabrication Of Aqua Silencer For I.C Engines	International Journal of Recent Innovation in Engineering and Research	Apr-17	Ajay Kumar Dhiman , Prakash Joshi , Deepak Basantani , Ganesh Jadhav , Vinayak W. Bembrekar	NA	Volume: 2, Issue: 4	e-ISSN : 2456 - 2084	Publication Impact Factor:- 3.605
35	CFD Analysis of Missile Base Heating	International Journal on Theoretical and Applied Research in Mechanical Engineering (IJTARME)	Feb., 2017	Mr. Anup Chaple, Mr. Sushant Patil	NA	Volume -6, Issue-1-2	ISSN (Print): 2319-3182	Publication Impact Factor:-2.06

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36	WEIGHT OPTIMIZATION OF ELECTROSTATIC PRECIPITATOR (ESP) HOPPER & NOZZLE USING FEA APPROACH	International Research Journal of Engineering and Technology (IRJET)	Jul-16	Saurabh K. Chaudhari, Hemant P. Kadam, Tapobrata Dey	NA	Volume: 03 Issue: 07	e-ISSN: 2395 - 0056 p-ISSN: 2395-0072	
37	Emerging Technology of Food Preservation in Household Refrigerator	International Research Journal of Engineering and Technology (IRJET)	Jun-16	Hemant Kadam, Swati Dhamale, Piyush Ingale, Kiran Shinde	NA	Volume: 03 Issue: 06	e-ISSN: 2395 - 0056 p-ISSN: 2395-0072	
38	Design, Fabrication and Testing of helical tube in tube coil heat exchanger	International Engineering Research Journal (IERJ)	June 2016,	Sachin Meshram, Prof.P.T.Nitnaware, M.R.Jagdale	NA	Special Issue Page 769-779	ISSN 2395-1621	
39	A Review of effect of different parameters in Friction Stir Welding	Research J. Engineering and Tech.	April- June 2017	Jyotsna. S. Rane, Deepak. S. Patil , Vaibhav Mohale	NA	NA	ISSN 0976-2973 (Print)2321-581X (online)	