

MANJARA CHARITABLE TRUST
RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI
 (Permanently Affiliated to University of Mumbai)
DEPARTMENT OF MECHANICAL ENGINEERING
 (NBA- Accredited UG Program)

FACULTY PUBLICATIONS IN JOURNALS
ACADEMIC YEAR 2017-18

Sr. No	Title of Paper	Name of the Author/s	Name of Journal	Year of Publication	ISBN/ISSN number
1	Review on Hydraulic Resistance Parameters of Sterling Cryo cooler Regenerator	Sanjay Bokade	IJSRD	2017-18	ISSN (online): 2321-0613
2	Computational Characterization of Fluid Flow and Heat Transfer in the Pressure Tube of CANDU 6 Nuclear Reactor with Supercritical CO ₂	Kiran Chaudhari	IJET	2017-18	ISSN (Online) : 0975-4024
3	Heat Transfer And Fluid Flow Analysis Of Pressure Tube In Candu 6 Nuclear Reactor Using Supercritical Water”, SSRG	Kiran Chaudhari	SSRG-IJME	2017-18	ISSN: 2348-8360
4	Review on vibration frequency developed by OM chanting and its positive effects on thyroid	Kiran Chaudhari	IJSEAS	2017-18	ISSN: 23953470
5	Analysis of Energy Consumption, CO ₂ Emission & Its Conservation for Living Room in Residential Building -A Case Study in Mumbai, India	R. V. Kale	IJRSET	2017-18	ISSN(Online): 319-8753 ISSN (Print): 2347-6710
6	Turbulent Flow in Curved Square Duct: Prediction of Fluid flow and Heat transfer Characteristics	R. V. Kale	IRJET	2017-18	e-ISSN: 2395, p-ISSN: 2395-0072
7	Generation of Biogas and Enhancing its Methane Content by Chemical Absorption Technique	R. V. Kale	IJRASET	2017-18	ISSN : 2321-9653
8	Review of the potential of biogas generation in India and a comparative study of various biogas upgrading techniques	R. V. Kale	IJRET	2017-18	Print ISSN: 1757-3971 Online ISSN: 1757-398X


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9	Improving the efficiency of wind power generation with a jet wind turbine	R. V. Kale	IJRTS	2017-18	ISSN: 2321-1156
10	CFD Based Thermal Efficiency Analysis of Solar Air Heater with Smooth Plate & Perforated Plate	Anjali Vyas	IJIR	2017-18	ISSN: 2454-1362
11	A Review on Recent Advances in Friction Stir Lap Welding of Aluminum and Copper	Nitin Panaskar	MTE	2017-18	ISSN: 2214-7853
12	Implementation of Quality control tools for reducing customer complaints in a Label Manufacturing firm	Deepa Pandey	IJSER	2017-18	ISSN: 2229-5518
13	An investigation on the mechanical properties of die cast Zn-Al alloy reinforced with boron carbide	Nikhil V.S	IJARIT	2017-18	ISSN 2454-132X/ V315- 1292
14	Review on Methods of Self Balancing of Two Inline Wheels	Chetan R. Rane	IJARIT	2017-18	ISSN: V315-1207

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ACADEMIC YEAR 2016-17

Sr. No	Title of Paper	Name of the Author/s	Name of Journal	Year of Publication	ISBN/ISSN number
1	Effect of particle-size and air flow rates on the ignition temperature of sub bituminous coal	Sanjay Bokade	IJMTER	2016-17	ISSN 2320-9135
2	Waste Heat Recovery on IC Engines Using Organic Rankine Cycle	Sanjay Bokade	IJSER	2016-17	ISSN 2393-8161
3	Theoretical modeling of stratified condensation of two-phase co-current flow including pressure drop in inclined tubes	R. V. Kale	IJMTER	2016-17	ISSN Online (2349-9745)
4	Energy and Energy analysis of steam and power generation plant	R. V. Kale	IJSERT	2016-17	ISSN: 2278-0181
5	Portable Thermoelectric Waste Heat Recovery System. European	R. V. Kale	JAET	2016-17	ISSN: 2394 - 658X
6	Investigation of Heat Transfer Performance of A Car Radiator Using Nanofluid As Coolant	N. K. Deshmukh	IJMTER	2016-17	, ISSN: 2393-8161/ 2349-9745
7	An Experimental Investigation of Vortex Tube” International Journal of Engineering Technology Science and Research	N. K. Deshmukh	IJRASET	2016-17	ISSN 2394 – 3386
8	Effects of Hydrogen enrichment with ethanol as additive along with biodiesel blend on performance parameters and exhaust emissions in CI engine	Atul Londekar	IJSDR	2016-17	ISSN: (2455-2631)
9	Effects of Different Additives on performance and emission of Biodiesel Fuelled Compression Ignition Engine	Atul Londekar	IJSR	2016-17	ISSN(2319-7064)


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10	Development Of ANN Model For Prediction Of Emission And Performance Characteristics Of H2 Dual Fueled CI Engine With Various Biodiesel Blends	Atul Londekar	AAPATF G	2016-17	ISBN - 978-1- 77188- 681- /978-1- 351- 17016-1
11	Comparison of RSM and ANN for predication of performance parameter with Biodiesel blend on unmodified diesel engine	Atul Londekar	IJME	2016-17	ISSN No: 977 2394- 6903
12	Numerical Modeling and Analytical verification for evaluating Performance RF Micro-electromechanical switches	V. B Sawant	JAST	2016-17	Issue: 1/ Volume: 13, E- ISSN: 2230- 9659
13	Inventory Management By using FIFO system	Deepa Pandey	AJST	2016-17	ISSN: 2229-5518
14	Study on the effects of mechanical properties of ABS polymer with nano clay composites	Nikhil V.S	IJST	2016-17	ISSN: 0974-6846 / 0974- 5645

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ACADEMIC YEAR 2015-16

Sr. No	Title of Paper	Name of the Author/s	Name of Journal	Year of Publication	ISBN/ISSN number
1	Optimizing Physical Dimension of Heat Exchanger Using Insert to Improve Its Portability	Sanjay Bokade	IJSR	2015-16	ISSN (Online): 2319-7064
2	Analysis on effect of Temperature on Moisture Separation in air Compressor	Kiran Chaudhari	IJSEAS	2015-16	ISSN:239 5-3470
3	CFD analysis of Metallic Foam-Filled Triple Tube Concentric Heat Exchanger	Kiran Chaudhari	IRITCC	2015-16	ISSN: 2321-8169
4	Computational analysis of helical coil heat exchanger for temperature and pressure drop	R. V. Kale	IRJET	2015-16	ISSN 2395-0072
5	Study of citrullus biodiesel blends on emission and performance characterization of IC engines	R. V. Kale	IJRSET	2015-16	ISSN (Print) 2347 – 6710
6	Study and design of shell of multiwall pressure vessel	R.Y. Kurne	IJTRA	2015-16	e-ISSN:232 0-8163
7	Theoretical Analysis and Study of Process Parameters in Designing The High Pressure and High Flow Cryogenics Helium Gas	N. K. Deshmukh	IJSEAS	2015-16	ISSN: 2395-3470
8	Experimental study of Two Phase Closed Thermo Syphon Charged With Ethanol And AL ₂ O ₃ Nanofluid	N. K. Deshmukh	IJRSR	2015-16	ISSN:097 6-3031
9	Performance and Emission Characteristics with the Use of Ethanol as a Catalysts along with Biodiesel-Diesel Blend in CI Engine	Atul Londekar	IJSR	2015-16	ISSN:232 1-2705

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10	Numerical Investigation of Heat and Flow Characteristic of Air Jet Impingement Over Heated Tube	Mukund Valse	IJMIT	2015-16	ISSN 2348-7593
11	Prediction of Crack Initiation Load in Through wall Circumferentially Cracked Pipes Using 3D Cohesive Zone Model	Rehan Siddiqui	IJMSE	2015-16	ISSN: 2315-4527
12	Combined Cold Expansion and Friction Stir Processing of Fastener Holes in Aluminum Alloy Al-2014-T6	Nitin Panaskar	TIIM	2015-16	ISSN: 0972-2815 (print version), ISSN: 0975-1645 (electronic version)
13	A Review on Primary Suspension of ICF Bogie. International	Nitin Panaskar	IJSER	2015-16	ISSN 2229-5518
14	Study of citrullus biodiesel blends on emission and performance characterization of IC engines	Ratnam Gujjar	IJRSET	2015-16	ISSN (Print) 2347 – 6710
15	Comparative Testing of Poly Tetra Fluoro Ethylene (PTFE) with different material composition in Bearing	Chetan Rane	IJRAME	2015-16	ISSN 2321-3051

ACADEMIC YEAR 2014-15

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Sr. No	Title of Paper	Name of the Author/s	Name of Journal	Year of Publication	ISBN/ISSN number
1	Design of Automated Outriggers for self-propelled Hydraulic Scissor Lift – A Case Study at Air India	Sanjay Bokade	IJERT	2014-15	ISSN: 2278-0181
2	Cost Effectiveness and Service of Reverse Logistics for Parts and Subassemblies: An Empirical Investigation	Sanjay Bokade	IJERT	2014-15	ISSN: 2278-0181
3	Thermal Analysis of water pipe subjected to natural convection using computational fluid	Kiran Chaudhari	IJMPERD	2014-15	ISSN:224 6-8001
4	An eco-friendly and reusable heat source for self-heating food packaging	R.V. Kale	IJERT	2014-15	ISSN (Online) 2278 – 0181
5	Electricity demand and supply scenarios for Maharashtra (India) for 2030: An application of Long Range Energy Alternatives Planning	R.V. Kale	ALREAP	2014-15	Energy Policy, ISSN: 0301-4215
6	CFD analysis of sloshing within the tank	R.V. Kale	IJIRTS	2014-15	ISSN (online): 2321-1156
7	Design and Analysis of Pressure Vessel	N.K Deshmukh	IJIRTS	2014-15	ISSN:232 1-1156
8	Exhaust Gas Reutilization Using Thermo acoustic Heat Engine	N.K Deshmukh	IJERT	2014-15	ISSN: 0974 - 3154
9	Investigations of karanja oil blends on CI Engine by enriched hydrogen	Atul Londekar	IJATES	2014-15	ISSN: 2348 –7550
10	Aerodynamic analysis of a car model using Fluent-Ansys 14.5	Amol Mangrulkar	IJRMEE	2014-15	Volume, ISSN: 2349-794
11	CFD Analysis of Solar Air Heater with Perforated Baffle on the Absorber Plate	Anjali Vyas	IJMTER	2014-15	ISSN: 2349-9745

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12	Investigations on the effect of shape of traction separation law on the results of cohesive zone model	Rehan Siddiqui	IOSR-JMCE	2014-15	e-ISSN: 2278-1684, p-ISSN: 2320-334X
13	Surface Modification and Nan composite Layering of Fastener-Hole through Friction-Stir Processing	Nitin Panaskar	MMPT&F	2014-15	ISSN: 1042-6914
14	A Fundamental Investigation on Rotating Tool Cold Expansion: Numerical and Experimental Perspectives	Nitin Panaskar	IJAMT	2014-15	Springer, ISSN: 0268-3768
15	An Experimental Study on Impact Dampers	Vinit Goel	IJSET	2014-15	ISSN 2778-3687 (O)
16	Reduction of heat losses in parabolic trough collector using vacuum seal	Nikhil V.S	IJMER	2014-15	ISSN (Print) : 2321-5747

ACADEMIC YEAR 2013-14

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Sr. No	Title of Paper	Name of the Author/s	Name of Journal	Year of Publication	ISBN/ISSN number
1	Cost effectiveness and Flexibility of Reverse Logistics for Consumables and Raw Material: An empirical investigation	Sanjay Bokade	IJSCM	2013-14	ISSN:2051-3771
2	Maharashtra electricity Scenario -A Case Study	R.V. Kale	IJMER	2013-14	ISSN:2249-0019
3	A Composite Weight based Multiple Attribute Decision support system for the selection of automated guided vehicles	V.B. Sawant	IJCA	2013-14	Vol 70(19), 8-16, ISSN 0975 - 8887
4	Modeling and Simulation Of Energy Harvesting Device	Amol Mangrulkar	IJPARE	2013-14	ISSN: 2319
5	Design Of Energy Harvesting Device	Amol Mangrulkar	IJTARME	2013-14	ISSN: 2319 – 3182
6	Joining of Nano-Composite using Friction Stir Welding	Nitin Panaskar	MTT-CMTI	2013-14	ISSN: 0972-7396
7	Reliability Assessment of Molded case Circuit Breaker mechanism based on stress-strength interference with degradation analysis	Prathamesh Potdar	IJESIT	2013-14	2319-5967
8	Airfoil Selection of MAV (Miniature Air Vehicle) for Low Reynolds Number	Mayur Marathe	IJTARME	2013-14	ISSN: 2319 – 3182