

K. E. Society's
Rajarambapu Institute of Technology, Rajaramnagar
 (An Autonomous Institute)
Department of Mechanical Engineering
M.Tech Mechanical Thermal Engineering
Faculty Publication in H-Index Journal Paper 2020-2021

S.N	Authors name	Paper title	Journal name	Volume no.	Issue no. if any	Page nos.	Year and month of publication	H-index	SCI Impact factor	ISSN/ISBN No.	Paper Link
1.	Dr. S. M. Sawant	Numerical study glass epoxy composite drive shaft for light motor vehicles	API Conference Proceedings	--	--		2020-21	75	--	ISSN:0094 243X, 15517616	https://aip.scitation.org/doi/abs/10.1063/5.0049922
2.	Dr.S.D.Patil	Enhancement of heat and mass transfer characteristic of metal hydride reactor for hydrogen storage using various nanofluids	International Journal of hydrogen energy	--	--	1-12	2021-20	215	5.390	ISSN:0360 3199	https://www.sciencedirect.com/science/article/abs/pii/S0360319921010016

3.	Dr.A P Shah	Integral revision in semester examination and evolution of content techniques	Journal of Engineering Education and Transformations	34	---	319 - 325	2020-21	5	--	ISSN:2394-1707	http://journaleet.in/index.php/jeeet/article/view/157162/0
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1.	Dr. S. M. Sawant	Optimization of glass epoxy composite driveshaft for light motor vehicles using fuzzy logic technique	Australian journal of mechanical engineering	17	03	1-11	2019-20	09	-	doi.org/10.1080/14484846.2019.1679004	https://www.tandfonline.com/doi/abs/10.1080/14484846.2019.1679004?journalCode=tmec20
2.	Dr. S. M. Sawant	Effect of oxy-hydrogen blending with gasoline on vehicle performance parameters and optimization using response surface methodology	Journal of the Chinese Institute of Engineers			553-564		25	0.471	ISSN 0253 3839	https://www.tandfonline.com/doi/abs/10.1080/02533839.2019.1638305

3.	Dr. A P. Shah	Numerical and Experimental investigation of thermal energy storage in a conical finned tube in PCM storage unit	Journal of Mechanical Engineering	16	03	51-65	2019-20	05	-	ISSN 1823-5514,	https://www.google.com/search?client=firefox-b-d&q=Numerical+and+Experimental+investigation+of+thermal+energy+storage+in+a+conical+finned+tube+in+PCM+storage+unit
4.	Dr. A P. Shah	Buoyancy-aided conjugate mixed convection with surface radiation from a vertical channel with multiple non-identical discrete heat sources	International Journal for Computational Methods in Engineering Science and Mechanics	20	06	1-14	2019-20	21	-	doi.org/10.1080/15502287.2020.1718799 ISSN: 1550-2287	https://www.tandfonline.com/doi/abs/10.1080/15502287.2020.1718799
5.	Dr. A P. Shah	Synthesis and Characterization of Nano-grease for Automotive Wheel Bearing Application”,	Lecture notes in mechanical engineering	-	-	413-422	2019-20	12	-	doi.org/10.1007/978-981-15-1201-08-47	https://www.researchgate.net/publication/338982130_Synthesis_and_Characterization_of_Nano-grease_for_Automotive_Wheel_Bearing_Application
6.	Dr. A P. Shah	preparation characteristic of biodiesel extractic from acidic oil:A by product of soyabean oil refining process	Lecture notes in mechanical engineering	-	-	479-489		12		doi.org/10.1007/978-981-15-2662-6-44	https://www.researchgate.net/publication/341062062_Preparation_and_Characterization_of_Biodiesel_Extracted_from_Acidic_Oil_A_by-Product_of_Soybean_Oil_Refining_Process

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01	Dr.S.D.Patil, Dr.A.P.Shah, Rajendra.V..Pawar	Experimental Analysis of effect of mixed Biodiesel Blends on Performance, Combustion and Emission of Variable Compression Ratio Engine.	Modelling ,Measurement and Control C	08	1	24-31	2018-19	07	-	Doi:.org/10.18280/mmcc.800105	https://www.iieta.org/journals/mmc_c/paper/10.18280/mmc_c.800105

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Sr. No.	Authors name	Paper title	Journal name	Volume no.	Issue no. if any	Page nos.	Year and month of publication	H-index	SCI Impact factor	ISSN/ISBN No.	Paper Link
1.	Dr.S.M.Sawant	Effect of Oxy-Hydrogen Addition in Gasoline on Engine Performance, Combustion Characteristics and Combustion Process at Different CR and IA.	International Journal of applied engineering research	13	11	10038 - 10047	2017-18	38	-	ISSN-0973-4562	https://www.google.com/search?q=Effect+of+Oxy-Hydrogen+Addition+in+Gasoline+on+Engine+Performance%2C+Combustion+Characteristics+and+Combustion+Process+at+Different+CR+and+IA.&client=firefox-bd&ei=HpI4YeSJEOpX

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2.	Dr.S.M.Sawant	Response Surface Methodology (RSM)Based Optimization of engine operating parameters fuelled with blends of diesel and oxy-hydrogen gas	International Journal. Of mechanical and mechatronics engineering	18	2	22-31	2017-18	20	-	-	https://www.semantic scholar.org/paper/Response-Surface-Methodology-(RSM)-Based-of-with-Yadav-Sawant/26400ddb07a5955c828ab91527f6c54de7e0c40
3.	Dr.S.M.Sawant	Experimental studies on magnetoreholgical brake for automotive application	International Journal of automotive and mechanical engineering	15	1	4893-4908	2017-18	24	-	ISSN-2180-1609	https://www.research gate.net/publication/325220277_Experimental_Studies_on_Magnetorheologica l_Brake_for_Automotive_Application
4.	Dr.S.M.Sawant	Simulation -based estimation of an automotive magnetorheological brake system performance	Journal of advanced research	14		43-51	2017-18	45	-	ISSN-2090-1232	https://www.research gate.net/figure/Schematic-of-typical-

											MR-brake_fig1_325220277
5.	Dr.S.M.Sawant	A Review of laminar flame speed measurement technique with advantages and challenges involve in a use of hydrogen-methane blend in existing internal combustion engines	Journal of computational information system	14	1	18-22	2017--18	25	-	ISSN-1553-9105	https://scholar.google.co.in/citations?view_op=view_citation&hl=en&user=CvGcWUAAA&pagesize=80&citation_for_view=CvGcWUAAA&Mod-77fHWUC
6.	Dr.S.M.Sawant	A Comparative study on automotive brake testing standards.	Journal of Inst .Eng. India ser.c	98	4	527-531	2017-18	12	-	DOI – 10.1007/s40032-016-0289-y	https://link.springer.com/article/10.1007/s40032-016-0289-y
7.	Dr A. P. Shah, Dr S. D. Patil	Performance, Emission and Combustion Analysis of Biodiesel Extracted from Acidic oil: A By-product of Soybean Oil Refining Process	International Modeling, Measurement and Control C	I	3	337-350	2017-18	7	-	DOI:10.18280/mmc-c.780306	https://www.google.com/search?client=firefox-b-d&q=Performance%2C+Emission+and+Combustion+Analysis+of+Biodiesel

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1.	S V Kadam	Numerical and Experimental Analysis of MgO Nanoparticles Suspension in Water on Convective Heat Transfer	Materials today proceeding	5	2	1-6	2016-17	27	--	ISSN-2214-7853	https://www.semanticscholar.org/paper/Numerical-and-Experimental-Analysis-of-MgO-in-Water-Kadam-Mohite/def8c5b8d8470b6e27440c2127c708ab144227c9