

Technocrats Institute of Technology & Science

Department of Mechanical Engineering

S. No.	Title	Journal/Conference	Name Of Journal/Conference	Issn No.	Vol/Issue/Pages / Year	Indexing	IF/ Cite Score	Publisher	DOI	Author(s)
1	Experimental Investigation of Equilateral Triangle-Shaped Solar Air Heater with two Blackened Absorber Surfaces	Conference	International Conference on Innovations in Clean Energy Technologies (ICET)	ISBN 978-981-16-0234-4	01/01 / 2020	Scopus		Springer	https://doi.org/10.1007/978-981-16-0235-1_19	Anoop Kumar Pathariya
2	Thermal Analysis on Hydrothermal Performance of Double Pipe Heat Exchanger with Single and Double Helical Tape	Journal	International Journal of Innovative Technology And Exploring Engineering (IJITEE)	ISSN: 2278-3075	09/02 / 2019	Scopus		Blue Eyes Intelligence Engineering & Sciences Publication	DOI: 10.35940/ijitee.B7861.129219	Anoop Kumar Pathariya
3	Welding Studies on Dissimilar Magnesium Alloys For Improving Corrosion Behaviour'	International Journal	Materials Today: Proceedings	2214-7853	63/Pp :623-629/2022	Scopus	1.541	Elsevier	https://doi.org/10.1016/j.matpr.2022.04.378	Dr. Manish Joshi
4	Comparative Structural Analysis of CNC Milling Machine Bed Using Al-SiC/Graphite, Al Alloy And Al-SiC Composite Material	International Journal	Materials Today: Proceedings	2214-7853	51/Pp :735-741/2022	Scopus	1.541	Elsevier	https://doi.org/10.1016/j.matpr.2021.06.219	Dr. Manish Joshi
5	Optimization of Solar Dryer Using Taguchi Method	International Journal	International Journal of Recent Technology and Engineering (IJRTE)	2277-3878	8/3/2019	Scopus	0.173	Blue Eyes Intelligence Engineering & Sciences Publication	https://doi.org/10.35940/ijrte.C5684.098319	Dr. Manish Joshi
6	A FEA analysis of blade of HAWT	International journal	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056 p-ISSN: 2395-0072	Volume: 05 Issue: 07 July-2018			IRJET	https://www.irjet.net/archives/V5/i7/IRJET-V5I736.pdf	Dr uzma qureshi
7	Performance Evaluation of 1.6 KW Hybrid Solar and Horizontal Axis Wind Turbine	International journal	INTERNATIONAL JOURNAL OF SCIENTIFIC PROGRESS AND RESEARCH (IJSPR)	ISSN: 2349-4689	Issue 122, Volume 43, Number 02, JANUARY 2018			IJSPR	https://www.ijspr.com/citations/v43n2/IJSPR_4302_2247.pdf	Dr uzma qureshi
8	Historical and Recent Development of Photovoltaic Thermal (PVT) Technologies	International journal	International Journal .of Renewable and Sustainable Energy	1428-1436	Volume 42, February 2015, Pages 1428-1436			elsevier	https://doi.org/10.1016/j.rser.2014.11.044	Dr Uzma Qureshi

Technocrats Institute of Technology & Science

Department of Mechanical Engineering

9	Augmentation of Gas-Turbine Performance Using Inlet Air Cooling and Turbine Blade Cooling: A Thermodynamic Approach	International Journal	Aerospace :Aero Tech@Digital Summit	0148-7191	01/31/2021	Scopus		SAE International IN United States	https://doi.org/10.4271/2021-01-0031	Mr.Alok Mishra
10	Effect of Ambient and Operating Parameters on the Performance Parameters of Cooled Gas Turbine Cycle	AIP Conference Proceedings	Materials,Mechanics&Modeling (NCMMM-2020)	0094-243X	2341.030003-19/2021	Scopus	1.69	AIP Publishing	https://doi.org/10.1063/5.0049974	Mr. Alok Mishra
11	EXPERIMENTAL ANALYSIS OF PERFORMANCE AND CHARACTERISTIC OF COMPRESSION IGNITION ENGINE WITH ADDITION OF MTBE WITH DIESEL	Journal	International Journal Of Innovation In Engineering Research & Management		4/2021					Anoop Kumar Pathariya
12	Performance and Emission Analysis of Petrol Engine with Different Compression Ratio	International Journal	International Journal of Research and Analytical Reviews	E-ISSN: 2348-1269	10/01/2023		7.17	UGC		Dr.Ankit Goyal
13	Hair Pin Heat Exchanger Layered With Graphene in Tube Side Using Al ₂ O ₃ As Nanofluid	International	International Research Journal Of Engineering And Technology (IRJET)	E-ISSN: 2395-0056	09/04/2022	Scopus	7.529	IRJRT		Dr.Ankit Goyal
14	CFD Analysis of Shell and Tube Heat Exchanger with Flower Baffle Using Carbon Nano Tubes as Nanofluid and Water as a Base Fluid	International	International Research Journal of Engineering and Technology (IRJET)	E-ISSN: 2395-0056	09/05/2022	Scopus	6.303	IRJRT		Dr.Ankit Goyal
15	Analysis on Emissions of Gasoline Engine with Different Ethanol Blends at Different Compression Ratio	International	YMER	ISSN : 0044-0477	21/08/2022	Scopus	0.25	YMER		Dr.Ankit Goyal
16	Hydraulic Diameter Individually on Heat Transfer through Mini and Micro Channels		International Journal of Research and Technology	ISSN: 2321-7529 (Online) ; 2321-7510 (Print)	Volume 12, Issue 1, January_2024				International Journal of Research and Technology	Dr.Ankit Goyal
17	CFD Analysis for Thermal Interface Material Selection and Application in Consumer Electronics	International journal	YMER	ISSN : 0044-0477					YMER	Dr.Ankit Goyal
18	DESIGN WITH THERMAL ANALYSIS OF SOLAR AIR HEATER USING CFD	International Journal	INTERNATIONAL JOURNAL OF RECENT TECHNOLOGY SCIENCE & MANAGEMEN	2455-9679	9(2), Feb 2024				INTERNATIONAL JOURNAL OF RECENT TECHNOLOGY SCIENCE & MANAGEMEN	Dr.Ankit Goyal

Technocrats Institute of Technology & Science

Department of Mechanical Engineering

19	Application of Machine Learning and Deep Learning Approach to Evaluate the Thermal Efficiency of Flex-Fuel Diesel Engine	International	YMER	ISSN : 0044-0477	22/03/2023	Scopus	0.25	YMER		Dr.Ankit Goyal
20	Thermal Analysis of Solar PV Cell for Temperature Distribution Using Fem-A Survey	International	International Research Journal Of Modernization in Engineering Technology and Science	2582-5208	15/11/2023	Scopus	7.868	IRJEMTS		Dr.Ankit Goyal
21	Bio-Diesel: A Coconut Oil Blend	International journal	International Journal for Research in Engineering Application & Management (IJREAM)	ISSN : 2454-9150	Special Issue - TMRI - 2019	International journal			https://www.ijream.org/SpecialIssueConference/TMRI2019022.pdf	Anoop Kumar Pathariya
22	Effect of blade cooling means on cogeneration gas turbine power plant with recuperation and reheating	International journal	International journal of engineering and research(IJER)	ISSN-2347-5013	VOLUME III JUNE 2014 PAGE NO N364; 369	UGC		IJER		Anoop Kumar Pathariya
23	Review of Plate Type Heat Exchanger with Substitute Pipe Arrangement	International journal	Review of Plate Type Heat Exchanger with Substitute Pipe Arrangement		11/2020			International Journal of Advanced Research in Science, Communication and Technology (IJARCT)		Anoop Kumar Pathariya
24	Analysis and Fabrication of Micro Cold Storage Plant and improving its performance using Phase Change Material (PCM)	Journal	AIJR Publisher		4/03/2020			AIJR Preprints		Anoop Kumar Pathariya
25	An introduction to bio-fuels									Anoop Kumar Pathariya
26	Experimental investigation of Combustion, Performance and Emission in single cylinder diesel engine operated on blends of diesel and waste cooking oil	Journal	International Journal of Current Engineering and Technology 8(04)		July/Aug 2018			http://inpressco.com/category/ijcet		Anoop Kumar Pathariya
27	Thermodynamic performance of mixed Gas Steam Cycle				24/05/2012					Anoop Kumar Pathariya
28	A comparative analysis between simple and intercooled gas turbine with air film cooling		International Conference on Energy Engineering, January 2009 at Pondicherry engineering college		2009					Anoop Kumar Pathariya
29	Estimation of Green House Gas Emission from Indian Coal Based Thermal Power Plant		IOSR Journal of Engineering		January 2012			Apr. 2012, Vol. 2(4) pp: 591-597	DOI:10.9790/3021-0204591597	Satyashree Ghodke

Technocrats Institute of Technology & Science

Department of Mechanical Engineering

30	Examination of solar flat plate collector analysis	International Journal	IOSR Journal of Engineering		2012			vol-2, page-207-213		Satyashree Ghodke
31	Thermodynamic performance of steam injected intercooled gas turbine using various blade cooling means	International journal	TIT International journal of science and technology	Issn-23196688	November 2013 page no 28-33	UGC				Anoop Kumar Patheriya
32	Comparative performance analysis of reheat gas turbine cycle based cogeneration plants for different blade cooling mean	International journal	International journal of technology world		Vol- th March april 2010			International journal of technology world		Anoop Kumar Patheriya
33	Experimental and Mathematical Performance Analysis of a Corrugated Plate Heat Exchanger using CuO Nano Fluids	International journal	International journal of mechanical engineering and technology(IJMET)	0976-6340(print)0976-6359(online)	JAN FEB 2024	Scopus		IJMET		Sachin Kumar
34	Optimization Techniques Used in Solar Dryers: A Review	International Journal	International Journal of Mechanical and Production Engineering Research And Development (IJMPERD)	2249-8001	9/4/ Pp: 83-92/ 2019	Scopus	0.766	Trans Stellar		Dr. Manish Joshi
35	A Review of Renewable Energy Technologies Integrated With Desalination System	International Journal	International Journal For Research In Engineering Application & Management (IJREAM)	2454-9150	Pp:42 - 46/2019	UGC	7.427	IJREAM	https://doi.org/10.18231/2454-9150.2019.0540	Dr. Manish Joshi
36	Productivity Enhancement & Optimization of Integrated Solar Dryer	International Journal	Journal of Emerging Technologies and Innovative Research (JETIR)	2349-5162	5/10/ Pp:227-235/2018	UGC	7.95	JETIR		Dr. Manish Joshi
37	Preservation of Food Items Using Solar Dryers: A Review	International Journal	International Journal Of Engineering Research And Application (IJERA)	2248-9622	6/7/ Pp:57-62/2016	UGC	1.69	IJERA		Dr. Manish Joshi
38	Design of Electric Punch & Die Assembly	International Journal	International Journal of Research in Management Science and Technology	2321-6174	4/3/ Pp:430-434/ 2016					Dr. Manish Joshi
39	A Review Paper On – Computational Fluid Dynamics Analysis of Wind Turbine Rotor Blade	International Journal	International Journal of Current Research And Review (IJCRR)	2231-2196	04/21 /163-169/2012					Prashant Bhatt
40	Comparing the Stress on Wind Turbine Blades by Using ANSYS	International Journal	International Journal of Emerging Trends In Engineering and Developments (IJETED)	2249-6149	01/03 /311-327/2013		4.364			Prashant Bhatt
41	Analysis of Heat Transfer for Solar Air Heater – A Perspective View	International Journal	International Journal of Trend in Scientific Research and Development (IJTSRD)	e-ISSN: 2456 - 6470	Volume: 3 Issue: 2 Jan-Feb 2019	UGC		IJTSRD	www.ijtsrd.com e-ISSN: 2456 - 6470	Shashi Shankar Shukla

Technocrats Institute of Technology & Science

Department of Mechanical Engineering

42	An Investigation of Heat transfer and fluid flow analysis of an artificially roughness of solar air heater with combination of triangular and pantagon ribs on the absorber plate based on CFD (Computational fluid dynamics)	International Journal	International Journal of Innovative Research in Technology	2349-6002	07/12/2020	UGC		IJIRT	https://ijirt.org/master/publishedpaper/IJIRT150495_PAPER.pdf	Ravi Pandey
43	Future alternatives to Halogenated Refrigerants- a review				2011					Prashant Bhatt
44	Artificial Neural Network Application In Mechanical Engineering	International Journal	International Journal of Recent Innovation and Trends in Mechanical Engineering	2349-7947	01/02/2019			IJRITME		GauravGoswami
45	Enhanced Heat Transfer With Aluminum Oxide Nano Particle	National Journal	Journal of Emerging Technologies and Innovative Research	2349-5162	08/10/2021	UGC		UGC		Sachin Kumar
46	Study of Heat Transfer In A Corrugated Plate Heat Exchanger Using Al ₂ O ₃ Nano particles		International Journal of Mechanical Engineering and Technology		7(9), 2020			International Journal of Mechanical Engineering and Technology		Sachin Kumar
47	Analysis of Abrasive Wear And Characterization their Properties And Correlation with Structure Low And Medium Carbon Steel	International journal	Journal of Emerging Technology and Advanced Engineering	ISSN: 2250-2459	Volume 2 Issue 12 August 2012			Journal of Emerging Technology and Advanced Engineering		Sachin Kumar
48	Financial Viability of A Wind Power Project in Madhya Pradesh		International journal of engineering research and technology(IJERT)	2278-0181	<u>Volume 01, Issue 06 (August 2012)</u>			IJERT	https://www.ijert.org/financial-viability-of-a-wind-power-project-in-madhya-pradesh	Priyavrat Kumar
49	Magnetic levitation system in sliding unit	Journal	International journal of research	2250-1991	Vol3, issue 3 march 2013			IJR (PARIP EX)		SUMITA DEBNATH
50	Environmental analysis of a stand alone modified hybrid photo voltaic thermal system with dual low cost heat transfer media	International journal	international journal of Energy for a clean environment	ISSN: 2150-3621.	Volume 17, Issue 1, 2016			international journal of Energy for a clean environment	10.1615/InterJENnerCleanEnv.2016015803	Druzmaqureshi

Technocrats Institute of Technology & Science

Department of Mechanical Engineering

51	Application of baffle plates and it's effect as low cost heat extraction improvement on the performance of photo voltaic thermal (PVT) system	International journal	British journal of Renewable Energy	ISSN: 2518-2641.				British journal of Renewable Energy		Druzmaqureshi
52	Numerical simulation and cfd analysis for energy loss computation in fully open geometry of pelton turbine nozzle	International journal	International journal of latest trend in engineering and technology		Volume 2 Issue 2 - March 2013				10.21172	Abhisheksharma
53	ANN performance assessment of photovoltaic thermal (PV/T) system with improved low cost heat extraction design	International journal	British journal of Renewable Energy	ISSN: 2518-2641.				British journal of Renewable Energy		Druzmaqureshi
54	Effect of weather conditions on the Hybrid solar PV/T Collector in variation of Voltage and Current	International Journal	International Journal of Research (IJR)	ISSN 2348-6848.	Vol-1, issue 6, July 2014			International Journal of Research (IJR)		Druzmaqureshi
55	Effect of weather conditions on the Hybrid solar air Collector in variation of Cell Temperature	International journal	International Journal of Renewable Energy Technology Research	ISSN: 2325 - 3924	Vol. 3, No. 8, August 2014,			International Journal of Renewable Energy Technology Research		Druzmaqureshi
56	Effect Of Operating Parameters on the Performance of The Hybrid Solar PVT Collector Under Different Weather Condition	International journal	International Journal Of Science, Environment And Technology	1563-1570	Vol 3, no-4, 2014			International Journal Of Science, Environment And Technology		Druzmaqureshi
57	Computational Study on a Effect of Upstream Swirl Induction On Erosion In Pneumatic Conveying Pipeline Bend	National Conference	Applied Mechanics (INCAM): 2017 MNNIT	ISBN:978-93-80635-28-6	01/215-216/2017			ISAM		Mr.Sandeep Kumar Shah

Technocrats Institute of Technology & Science

Department of Mechanical Engineering

58	Hydraulic Diameter Individually on Heat Transfer through Mini and Micro Channels		International Journal of Research and Technology	ISSN: 2321-7529 (Online) ; 2321-7510 (Print)	Volume 12, Issue 1, January_2024				International Journal of Research and Technology	MrPriyavrat
59	CFD Analysis for Thermal Interface Material Selection and Application in Consumer Electronics	International journal	YMER	ISSN : 0044-0477		SCOPUS			YMER	Mr Priyavrat
60	Design with thermal analysis of solar air heater using CFD	International Journal	INTERNATIONAL JOURNAL OF RECENT TECHNOLOGY SCIENCE & MANAGEMEN	2455-9679	9(2), Feb 2024				INTERNATIONAL JOURNAL OF RECENT TECHNOLOGY SCIENCE & MANAGEMEN	Gaurav Goswami
61	CFD analysis of solar air heater for enhancement of heat transfer through w shaped rib	International Journal	International Journal of Trend in Research and Development,	2394-9333	Volume 6(2)					Sashi Shankar shukla
62	To Study of Chain Length on Viscosity and Tribological Characteristics of Lubricants Condition	International Journal	International Journal of Scientific progress and research	2349-4689	Issue 103, Volume 36, Nov.01, 2017					Dr. Uzma Qureshi
63	An Extensive Review On Tribology and Lubrication	International Journal	International Journal of Scientific progress and research		ISSUE: 50, VOLUME 30, Nov.01, 2017					Dr. Uzma Qureshi
64	Survey on design analysis of Swing Jaw plate of jaw crusher		Imperial Journal of Interdisciplinary Research		vol.03 , Issue. 05, May 2017					Dr. Uzma Qureshi
65	Design and analysis of four way hacksaw machine	International Journal	IJARIE	2395-4396	Vol-3 Issue-3 2017.					Dr. Uzma Qureshi
66	Research on Design and analysis of four way hacksaw machine	International Journal	IJARIE	2395-4396	Vol-3 Issue-4 2017.					Dr. Uzma Qureshi

Technocrats Institute of Technology & Science

Department of Mechanical Engineering

67	Reduction of environmental impact of products through Hotspot analysis in LCA	International Journal	International Journal of Academic Research and Development		Volume 2; Issue 4; July 2017; Page No. 20-22.					Dr. Uzma Qureshi
68	Study of life cycle assessment	International Journal	International Journal of Academic Research and Development		Volume 2; Issue 4; July 2017; Page No. 81-83.					Dr. Uzma Qureshi
69	Technical report on impact of imported coal in sponge iron making with its aspect	International Journal	International journal of engineering sciences & management		7(3): July-September, 2017					Dr. Uzma Qureshi
70	Techno economic evaluation of coal and iron ore & reduction kinetics in the manufacture of sponge iron making	International Journal	International journal of engineering sciences & management		6(3): July-Sep., 2016					Dr. Uzma Qureshi
71	Optimization of regenerative Organic Rankine Cycle by Using RSM Method	International Journal	International Journal of Scientific Research & Engineering Trends	2395-566X	Volume 10, Issue 1, Jan-Feb-2024					Dr. Ankit Goyal
72	Optimization of regenerative Organic Rankine Cycle by Using RSM Method	International Journal	International Journal of Scientific Research & Engineering Trends	2395-566X	Volume 10, Issue 1, Jan-Feb-2024					Priyavrat Kumar
73	Comparison of Efficiency of Solar Water Heater Using Different Nanofluids In CFD	International Journal	International Journal of Scientific Research in Science, Engineering and Technology	2394-4099	Volume 11, Issue 1 January - February - 2024				doi : https://doi.org/10.32628/IJSRSET	Priyavrat Kumar

Technocrats Institute of Technology & Science

Department of Mechanical Engineering

74	Comparison of Efficiency of Solar Water Heater Using Different Nanofluids In CFD	International Journal	International Journal of Scientific Research in Science, Engineering and Technology	2394-4099	Volume 11, Issue 1 January - February - 2024				doi : https://doi.org/10.32628/IJSRSET	Dr.Ankit Goyal
75	Analysis of Refrigeration Property by Differentiating Refrigerant in Vapour Compression Refrigeration System	International Journal	International Journal on emerging technologies	2249-3255	3(1): 193-201 (2012)					Abhishek Sharama
76	An Evaluation of Options for Replacing HCFC-22 in Low and Medium Temperature Refrigeration System	International Journal	International Journal of innovation in engineering and technology	2319 – 1058	Vol. 2 Issue 1 February 2013					Abhishek Sharama
77	Numerical Simulation for Pressure Distribution in Pelton Turbine Nozzle for the Different Shapes of Spear	International Journal	International Journal of innovation in engineering and technology	2319 – 1058	Vol. 1 Issue 4 December 2012					Abhishek Sharama
78	Numerical Simulation of Pelton Turbine Nozzle for Different Shapes of Spear	International Journal	Material Science Research India	2394-0565	Vol. 8(1): 53-63, 2011				http://dx.doi.org/10.13005/msri/080108	Abhishek Sharama
79	A Review on EV Battery Management System	International Journal	International Journal Of Recent Technology Science & Management	2455-9679	9(1), Jan 2024]					Dr.Ankit Goyal
80	A Review on EV Battery Management System	International Journal	International Journal Of Recent Technology Science & Management	2455-9679	9(1), Jan 2024]					Priyavrat Kumar
81	Analysis of Heat Transfer for Solar Air Heater – A Perspective View	International Journal	International Journal of Trend in Scientific Research and Development	2456 - 6470	Volume: 3 Issue: 2 Jan-Feb 2019					Shashi Shukla