

S.No.	Name of Applicant	Name of Department	Category of Applicant	Title of Paper	Category of Award	Eligible/Not Eligible	Remark if not Eligible
1	Sachin Rana	Mechanical Engineering	Student	Enhancement of thermal energy storage in a phase change material heat exchanger having elliptical and circular tubes with & without fins	C	Eligible	
2	PRADEEP KUMAR MEENA	Mechanical Engineering	Student	Investigation of combustion and emission characteristics of an SI engine operated with compressed biomethane gas, and alcohols	C	Not Eligible	Volume not Assigned
3	PREM SHANKER YADAV	Mechanical Engineering	Student	Numerical and experimental analysis on spray characteristics of biodiesel (waste cooking oil) using pressure swirl atomizer	C	Eligible	
4	Dr. Raghvendra gautam	Mechanical Engineering	Faculty	Influence of variation of injection angle on the combustion, performance and emissions characteristics of Jatropa Ethyl Ester	C	Eligible	
5	Sankar Ram T	Mechanical Engineering	Student	Multi-physics modelling of quench in a superconducting magnet using bond graph	C	Not eligible	Published in 2023
6	Prof. Qasim Murtaza	Mechanical Engineering	Faculty	Techno-economic feasibility of hydrogen based electric vehicle charging station: A case study	C	Eligible	

7	RAJESH KUMAR	Mechanical Engineering	Faculty	Thermodynamic and Comparative Analysis of Ejector Refrigeration Cycle and Absorption Refrigeration Cycle Integrated Wet Ethanol-Fueled HCCI Engine for Cogeneration of Power and Cooling	B	Eligible	Subject to submission of Proof of Corresponding Author.
8	RAJESH KUMAR	Mechanical Engineering	Faculty	Energy, Exergy, Environmental and Economic Analyses of Natural Refrigerants for Cascade Refrigeration	C	Eligible	
9	FAIZAN KHALID	Mechanical Engineering	Student	Development and assessment of a new solar-based trigeneration system using hydrogen for vehicular application in a self-sustained community	C	Eligible	
10	Hussam Sadique	Mechanical Engineering	Student	Heat transfer augmentation in microchannel heat sink using secondary flows: A review	C	Eligible	
11	Naman Goyal	Mechanical Engineering	Student	Financial feasibility of concentrated solar power with and without sensible heat storage in hot and dry Indian climate	C	Eligible	Duplicate with S. No . 53
12	Naman Goyal	Mechanical Engineering	Student	Concentrated Solar Power Plants: A Critical Review of Regional Dynamics and Operational Parameters.	C	Eligible	Duplicate with S. No . 55
13	RADHEY SHYAM MISHRA	Mechanical Engineering	Faculty	A novel intelligent strategy - based thermodynamic modeling and analysis of solar - assisted vapour absorption refrigeration system	C	Eligible	

14	Ashok Kumar Singh	Mechanical Engineering	Student	Optimum Techno-Eco Performance Requisites for Vacuum Annulus Tube Collector Assisted Double Slope Solar Desaltification Unit Integrated Modified Parabolic Concentrator	C	Eligible	
15	Ashok Kumar Singh	Mechanical Engineering	Student	Techno-Environ-Economic-Energy-Exergy-Matrices Performance Analysis of Evacuated Annulus Tube with Modified Parabolic Concentrator Assisted Single Slope Solar Desalination System	C	Eligible	
16	Ashok Kumar Singh	Mechanical Engineering	Student	Eco-Design Requisites for Solar Desaltification Still Augmented Evacuated Annular Tube Collectors with Parabolic Concentrator: An Optimum-Environ-Economic Viability	C	Eligible	
17	RASHI KOUL	Mechanical Engineering	Student	Comparative analysis of ternary blends of renewable Diesel, diesel and ethanol with diesel	C	Eligible	
18	RASHI KOUL	Mechanical Engineering	Student	Comparative analysis of renewable diesel and biodiesel produced from Jatropha oil	C	Eligible	
19	Dr. Pravin Kumar	Mechanical Engineering	Faculty	Application of Industry 4.0 technologies for effective coordination in humanitarian supply chains: a strategic approach	C	Eligible	

20	Dr. Pravin Kumar	Mechanical Engineering	Faculty	Strategic framework for developing resilience in Agri-Food Supply Chains during COVID 19 pandemic	C	Eligible	
21	KIRAT SINGH	Mechanical Engineering	Student	Study of combustion, performance and emissions characteristics of oxygenated constituents and methanol fumigation in the inlet manifold of a diesel engine	C	Eligible	
22	Abhishek Sahu	Mechanical Engineering	Student	Integrating Industry 4.0 and circular economy: a review	C	Eligible	
23	Bharat Sanga	Mechanical Engineering	Student	Weld joint characterization in ultrasonic welding of phosphor bronze sheets	C	Eligible	
24	KHUSHBU YADAV	Mechanical Engineering	Student	Effect of synthetic and aromatic amine antioxidants on oxidation stability, performance, and emission analysis of waste cooking oil biodiesel	C	Eligible	
25	Mohmad Iqbal	Mechanical Engineering	Student	CNC Machine-Bearing Fault Detection Based on Convolutional Neural Network Using Vibration and Acoustic Signal	C	Eligible	duplicate with s.no.27
26	Dr Anuj Sharma	Mechanical Engineering	Student	Multi-scale dynamic analysis of metal matrix composite shafts through morphological evaluations	B	Eligible	

27	Mohmad Iqbal	Mechanical Engineering	Student	CNC Machine-Bearing Fault Detection Based on Convolutional Neural Network Using Vibration and Acoustic Signal	C	Eligible	duplicate with s.no.25
28	Dr. Ravi Butola	Mechanical Engineering	Faculty	Comparison of response surface methodology with artificial neural network for prediction of the tensile properties of friction stir-processed surface composites.	B	Eligible	
29	Dr. Ravi Butola	Mechanical Engineering	Faculty	Fabrication and Characterization of AA6063/B4C Metal Matrix Surface Nanocomposite Using Friction Stir Processing	C	Eligible	Subject to submit Proof of Submission manager.
30	Dr. Ravi Butola	Mechanical Engineering	Faculty	Review—Parametric Study and Various Strategies of Aluminium Metal Matrix Composites Fabricated by Friction Stir Processing	C	Eligible	
31	Dr. Ravi Butola	Mechanical Engineering	Faculty	Two decades of friction stir processing –a review of advancements in composite fabrication	C	Not Eligible	Publisher Taylor & Frances not lie in Award Category
32	POOJA RANI	Mechanical Engineering	Student	Failure analysis of a low-pressure stage steam turbine blade	C	Not Eligible	Publisher Taylor & Frances not lie in Award Category
33	Deepak Kumar	Mechanical Engineering	Student	Comparative investigation on thermally sprayed Al <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> –13%(TiO <sub>2</sub> ) and Al <sub>2</sub> O <sub>3</sub> –40%(TiO <sub>2</sub> ) composite coatings from room to 400 °C temperature	C	Eligible	
34	Anand Kushwah	Mechanical Engineering	Student	Performance Analysis of Heat Exchanger-Evacuated Tube Assisted Drying System (HE-ETADS) Under Unload Condition	C	Eligible	duplicate with s.no.52

35	Anand Kushwah	Mechanical Engineering	Student	Drying kinetics, performance, and quality assessment for banana slices using heat pump–assisted drying system (HPADS)	C	Eligible	
36	Anand Kushwah	Mechanical Engineering	Student	Optimization of drying parameters for hybrid indirect solar dryer for banana slices using response surface methodology	C	Not Eligible	year of publication is 2023 at article front page
37	NARENDER KUMAR	Mechanical Engineering	Student	Analysis of barriers intensity for investment in big data analytics for sustainable manufacturing operations in post-COVID-19 pandemic era	C	Eligible	Publisher ' Emerald Publishing Limited not belongs to award list but impact factor more than 5
38	RAVINDRA KUMAR	Mechanical Engineering	Student	Overview of hydrogen production from biogas reforming: Technological advancement	C	Eligible	duplicate with s.no 51
39	RAVI KANT	Mechanical Engineering	Student	Review on essential oil extraction from aromatic and medicinal plants: Techniques, Performance and economic analysis	C	Eligible	duplicate with s.no 50
40	RAVI KANT	Mechanical Engineering	Student	Thermodynamic analysis of solar assisted steam distillation system for peppermint oil extraction	C	Not Eligible	year of publication is 2023 as per issued vol.
41	Shrikant Vidya	Mechanical Engineering	Student	Experimental Investigation on Machinability and Geometric Tolerance in Die-Sinking EDM of Microholes and Channels	C	Eligible	

42	Neeraj Budhraj	Mechanical Engineering	Student	Plasma reforming for hydrogen production: Pathways, reactors and storage	C	Not Eligible	Volume assigne in 2023.
43	Neeraj Budhraj	Mechanical Engineering	Student	Parameter optimization for enhanced biodiesel yield from Linum usitatissimum oil through solar energy assistance	C	Not Eligible	published online only
44	Dr Anil Kumar	Mechanical Engineering	Faculty	Review on fabrication methodologies and its impacts on performance of dye-sensitized solar cells	C	Eligible	
45	Dr Anil Kumar	Mechanical Engineering	Faculty	Exergy, drying kinetics, and performance assessment of Solanum lycopersicum (tomatoes) drying in an indirect type domestic hybrid solar dryer (ITDHSD) system	C	Eligible	
46	Dr Anil Kumar	Mechanical Engineering	Faculty	Comparison of Groundnut Drying in Simple and Modified Natural Convection Greenhouse Dryers: Thermal, Environmental and Kinetic Analysis	C	Eligible	
47	Dr Anil Kumar	Mechanical Engineering	Faculty	Exergy and Energy Analysis of Sensible Heat Storage based Double Pass Hybrid Solar Air Heater	C	Eligible	
48	Dr Anil Kumar	Mechanical Engineering	Faculty	Thermodynamic analysis of solar assisted steam distillation system for peppermint oil extraction	C	Not Eligible	article published online, Volume no not issued
49	Dr Anil Kumar	Mechanical Engineering	Faculty	Review on Energy Conservation and Emission Reduction Approaches for Cement Industry	C	Eligible	Duplicate with S. No. 79

50	Dr Anil Kumar	Mechanical Engineering	Faculty	Review on Essential Oil Extraction from Aromatic and Medicinal Plants: Techniques, Performance and Economic Analysis	C	Eligible	duplicate paper s.no.39
51	Dr Anil Kumar	Mechanical Engineering	Faculty	Overview of Hydrogen Production from Biogas Reforming: Technological Advancement	C	Eligible	duplicate paper s.no.38
52	Dr Anil Kumar	Mechanical Engineering	Faculty	Performance Analysis of Heat Exchanger-Evacuated Tube Assisted Drying System (HE-ETADS) Under Unload Condition	C	Eligible	duplicate paper s.no.34
53	Dr Anil Kumar	Mechanical Engineering	Faculty	Financial Feasibility of Concentrated Solar Power with and without Sensible Heat Storage in Hot and Dry Indian Climate	C	Eligible	Duplicate with S. No . 11
54	Dr Anil Kumar	Mechanical Engineering	Faculty	Drying kinetics, performance, and quality assessment for banana slices using heat pump-assisted drying system (HPADS)	C	Eligible	
55	Dr Anil Kumar	Mechanical Engineering	Faculty	Concentrated Solar Power Plants: A Critical Review of Regional Dynamics and Operational Parameters	C	Eligible	Duplicate with S. No . 12
56	Dr Anil Kumar	Mechanical Engineering	Faculty	Emissions from Homogeneous Charge Compression Ignition (HCCI) Engine Using Different Fuels: A Review	C	Eligible	



57	Dr. Sanjay Kumar	Mechanical Engineering	Faculty	Experimental study of dynamic fracture behaviour of Al7075-T651 under different loading rates.	C	Not Eligible	first author & first corresponding author outside DTU
58	Dr N YUVARAJ	Mechanical Engineering	Faculty	Enhancement of Microstructural and Mechanical Properties of Ultrasonic Vibration-Assisted Cold Metal Transfer Welding of 304 Stainless Steel	C	Eligible	Duplicate with S.No 80
59	Dr N YUVARAJ	Mechanical Engineering	Faculty	Mechanical and Tribological Properties of AA6061/SiC/Aloe Vera Powder Hybrid Al Composites Fabricated by Stir Casting	C	Not Eligible	article published online, Volume no not issued
60	Sumit Jain	Mechanical Engineering	Student	Microstructural and mechanical behavior of micro-sized SiC particles reinforced friction stir processed/welded AA7075 and AA6061	C	Eligible	
61	Preety Rani	Mechanical Engineering	Student	Influence of Nano-Sized Al <sub>2</sub> O <sub>3</sub> Nanoparticles and Multipass FSW on Microstructure and Mechanical Characteristics of Dissimilar Welded Joints of AA6061 and AA5083	C	Eligible	
62	Preety Rani	Mechanical Engineering	Student	Influence of Reinforcement with Multi-Pass FSW on the Mechanical and Microstructural Behavior of Dissimilar Weld Joint of AA5083 and AA6061	C	Eligible	
63	Dr Husain Mehdi	Mechanical Engineering	Student	Mechanical Properties and Microstructure Evolution Of AA6082/SiC Nanocomposite Processed by Multi-Pass FSP	C	Eligible	

64	Dr Husain Mehdi	Mechanical Engineering	Student	Consequence of reinforced SiC particles on microstructural and mechanical properties of AA6061 surface composites by multi-pass FSP	C	Not Eligible	Taylor & Fransis publisher is not in list of REA and impact factor less than 5
65	Dr Husain Mehdi	Mechanical Engineering	Student	Modification of microstructure and mechanical properties of AA6082/ZrB2 processed by multipass friction stir processing	C	Not Eligible	Year of publication 2023.
66	Ashish Kumar	Mechanical Engineering	Student	Investigation of Nano-Al <sub>2</sub> O <sub>3</sub> and Micro-coconut Shell Ash (CSA) Reinforced AA7075 Hybrid Metal–Matrix Composite Using Two-Stage Stir Casting	C	Eligible	
67	Ashish Kumar	Mechanical Engineering	Student	Investigation of Microstructure and Several Quality Characteristics of AA7075/Al <sub>2</sub> O <sub>3</sub> /Coconut Shell Ash Hybrid Nano Composite Prepared through Ultrasonic Assisted Stir-Casting	C	Not Eligible	article published online, Volume no not issued
68	GIRISH KUMAR	Mechanical Engineering	Faculty	Investigation and analysis of implementation challenges for autonomous vehicles in developing countries using hybrid structural modeling	C	Eligible	
69	GIRISH KUMAR	Mechanical Engineering	Faculty	Assessment of sustainable maintenance performance of automobile garages in India	C	Not Eligible	article published online, Volume no not issued
70	GIRISH KUMAR	Mechanical Engineering	Faculty	Analysis of human resource management challenges in implementation of industry 4.0 in Indian automobile industry	C	Eligible	

71	GIRISH KUMAR	Mechanical Engineering	Faculty	Identification and evaluation of barriers in implementation of electric mobility in India	C	Eligible	
72	GIRISH KUMAR	Mechanical Engineering	Faculty	Obstacle avoidance for a swarm of unmanned aerial vehicles operating on particle swarm optimization: a swarm intelligence approach for search and rescue missions	C	Eligible	
73	Yamika Patel	Mechanical Engineering	Student	Simulation study on the influence of wheel irregularity on the vertical dynamics of wheel–rail interaction for high-speed railway track using bond graph	B	Not Eligible	SAGE Journal is not in the list (IF is not greater than 30), Volume not assigned
74	AJAY LAMBA	Mechanical Engineering	Student	Experimental investigation of machining of EN31 Steel in abrasive mixed rotary EDM with graphite and copper electrode	C	Not Eligible	Author affiliation is not DTU
75	Uma Gautam	Mechanical Engineering	Student	Effect of Process Parameter on Tensile Strength and Hardness of SS304 Processed by Microwave Radiation	C	Eligible	
76	Tayyab khan	Mechanical Engineering	Student	Comprehensive review on latest advances in rechargeable batteries	C	Not Eligible	Vol. assigned for 2023
77	PRADEEP KUMAR MEENA	Mechanical Engineering	Student	Characterization, utility, and interrelationship of household organic waste generation in academic campus for the production of biogas and compost: a case study	C	Not Eligible	Vol. not assigned

78	PRADEEP KUMAR MEENA	Mechanical Engineering	Student	Investigation of combustion and emission characteristics of an SI engine operated with compressed biomethane gas, and alcohols	C	Not Eligible	Vol. not assigned
79	Niranjan Sahoo	Mechanical Engineering	Student	Review on energy conservation and emission reduction approaches for cement industry	C	Eligible	Duplicate with S. No. 49
80	Dr. N Yuvaraj	Mechanical Engineering	Faculty	Enhancement of Microstructural and Mechanical Properties of Ultrasonic Vibration-Assisted Cold Metal Transfer Welding of 304 Stainless Steel	C	Eligible	Duplicate with S.No 58
81	Dr. N Yuvaraj	Mechanical Engineering	Faculty	Mechanical and Tribological Properties of AA6061/SiC/Aloe Vera Powder Hybrid Al Composites Fabricated by Stir Casting	C	Not Eligible	Vol. not assigned
82	Dr. N Yuvaraj	Mechanical Engineering	Faculty	Investigations and Multi-response Optimization of Wire Arc Additive Manufacturing Cold Metal Transfer Process Parameters for Fabrication of SS308L Samples	C	Not Eligible	Applicant is not First/Corresponding Author
83	Dr. N Yuvaraj	Mechanical Engineering	Faculty	Measurement of Tribological Characteristics of Composite Coating Under Different Temperatures	C	Not Eligible	Applicant is not First/Corresponding Author
84	Prof. R. S. Mishra	Mechanical Engineering	Faculty	A novel intelligent strategy-based thermodynamic modeling and analysis of solar-assisted vapor absorption refrigeration system	C	Not Eligible	Applicant is not First/Corresponding Author

85	Sanjeev kumar	Mechanical Engineering	student	Multi-objective-parametric optimization of diesel engine powered with fuel additive 2-ethylhexyl nitrate-algal biodiesel	C	Eligible	
86	Kalpana Gupta	Mechanical Engineering	student	Measurement of Tribological Characteristics of Composite Coating Under Different Temperatures	C	Not Eligible	Publisher METROLOGY SOC INDIA .
87	Prof vipin	Mechanical Engineering	Faculty	Experimental investigation of machining of EN31 Steel in abrasive mixed rotary EDM with graphite and copper electrode	C	Not Eligible	Applicant is not First/Corresponding Author
88	Prof vipin	Mechanical Engineering	Faculty	Effect of Process Parameter on Tensile Strength and Hardness of SS304 Processed by Microwave Radiation	C	Not Eligible	Applicant is not First/Corresponding Author
89	Piu Jain	Mechanical Engineering	Student	Implementation of mass customization for competitive advantage in Indian industries: an empirical investigation	C	Eligible	