

S. No	Name of the Applicant	Department Name	Title	Total award amount after subtracting external authors.	Amount to First Author/Corresponding Author	Amount of Co-author 1	Amount of Co-author 2	Amount of Co-author 3	Amount of Co-author 4	Eligible/ Not Eligible Round 2 (Rajeev)	Remark	Total Money after subtracting external and internal authors (Certificates)
1	DR. ANIL KUMAR	Mechanical Engineering.	Performance evaluation of indirect type domestic hybrid solar dryer for tomato drying: Thermal, embodied, economical and quality analysis	0	Certificate Anil Kumar					Eligible		0
2	DR. ANIL KUMAR	Mechanical Engineering.	Efficient photosensitive light harvesting dye sensitized solar cell using hibiscus and rhodamine dyes	0	Certificate Anil Kumar					Eligible		0
3	DR. ANIL KUMAR	Mechanical Engineering.	Effect of Different Counter Electrodes on Power Conversion Efficiency of DSSCs	0	Certificate Anil Kumar					Eligible		0
4	DR. ANIL KUMAR	Mechanical Engineering.	Performance evaluation and optimization of albedo and tilt angle for solar photovoltaic system							Not Eligible	Duplicate with s. No. 50	0
5	DR. ANIL KUMAR	Mechanical Engineering.	A novel reduced nano- phase change material based absorber for enhancing the water productivity and performance of solar desalination system							Not Eligible	Duplicate with S. No.90	0
6	DR. ANIL KUMAR	Mechanical Engineering.	Environmental Sustainability and Exergetic Based Sustainability Indicators for Heat Exchanger-Evacuated Tube Assisted Drying System (HE-ETADS)							Not Eligible	duplicate with s. No. 81	0
7	DR. ANIL KUMAR	Mechanical Engineering.	Optimization of drying parameters for hybrid indirect solar dryer for banana slices using response surface methodology							Not Eligible	Duplicate with S. No. 80	0
8	DR. ANIL KUMAR	Mechanical Engineering.	Solar drying of peppermint leave: Thermal characteristics, drying kinetics, and quality assessment							Not Eligible	Duplicate with S. No. 86	0
9	DR. ANIL KUMAR	Mechanical Engineering.	Thermodynamic analysis of solar assisted steam distillation system for peppermint oil extraction							Not Eligible	Duplicate with S. No. 85	0
10	DR. ANIL KUMAR	Mechanical Engineering.	Design of solar cement plant for supplying thermal energy in cement production							Not Eligible	Duplicate with S. no. 46	0

11	DR. ANIL KUMAR	Mechanical Engineering.	Potential of solar thermal calciner technology for cement production in India and consequent carbon mitigation								Not Eligible	Duplicate with S. No.45	0
12	NAVEEN SOLANKI	Mechanical Engineering.	Advance exergy and coefficient of structural bond analysis of dedicated mechanical subcooled vapor compression refrigeration system								Not Eligible	Author is not affiliated to DTU	0
13	NAVEEN SOLANKI	Mechanical Engineering.	A comprehensive energy, exergy, environmental, and economic analysis of dedicated mechanical subcooled vapor compression refrigeration system								Not Eligible	Author is not affiliated to DTU	0
14	NAVEEN SOLANKI	Mechanical Engineering.	A comprehensive parametric and structural bond analysis of an actual vapor compression refrigeration system with dedicated mechanical subcooled system								Not Eligible	Author is not affiliated to DTU	0
15	Dr. Deepak Kumar	Mechanical Engineering.	Synergistic effect of Al <sub>2</sub> O <sub>3</sub> -40%TiO <sub>2</sub> coating on thermal conductivity and corrosion rate of SS 304 substrate	31250	25000 to Deepak Kumar	6250 to Pushpendra singh	Certificate to Qasim Murtaza				Eligible		31250
16	PRADEEP KUMAR MEENA	Mechanical Engineering.	Zone-wise biogas potential in India: fundamentals, challenges, and policy considerations	12500	37500						Not Eligible	No Pagination	
17	Nitin	Mechanical Engineering.	Failure investigations of last stage low-pressure steam turbine blade	50,000	25,000	25,000	NA	NA	NA		Not Eligible	The primary publisher KOREAN SOC MECHANICAL ENGINEERS is not in the award list.	0
18	S.LALHRIATPUIA	Mechanical Engineering.	Computational optimization of engine performance and emission responses for dual fuel CI engine powered with biogas and Co <sub>3</sub> O <sub>4</sub> nanoparticles doped biodiesel	50000	37500 to S.Lalhriatpuia	12500 to Amit Pal					Eligible		50000
19	S.LALHRIATPUIA	Mechanical Engineering.	Computational optimization of engine emissions and performance of a CI engine powered with biogas and NiO nanoparticles doped diesel	50000	37500 to S.Lalhriatpuia	12500 to Amit Pal					Eligible		50000
20	Suraj Bhan	Mechanical Engineering.	Application of response surface approach to optimize CI engine parameters fuelled by newly developed waste cooking biodiesel in fused with Al <sub>2</sub> O <sub>3</sub> nanoparticles	50000	16666.67 to Suraj Bhan	16666.67 to Raghvendra Gautam	16666.67 to Pushpendra Singh				Eligible		50000
21	Ankit Sonthalia	Mechanical Engineering.	Moving ahead from hydrogen to methanol economy: scope and challenges	25000	16666.67 to Ankit Sonthalia	4166.67 to Naveen Kumar	4166.67 to Mukul Tomar				Eligible		25000
22	SUNIL KUMAR GUPTA	Mechanical Engineering.	Effect of Evaporative Cooling of Condenser on the Performance of Air Conditioner	50000	16666 to Sunil Kumar Gupta	16666 to B B Arora	16666 to Akhlesh Arora				Eligible		50000

23	SUNIL KUMAR GUPTA	Mechanical Engineering.	Effect of varying ambient conditions on the performance of air conditioner using evaporative cooler	50000	16666 to Sunil Kumar Gupta	16666 to B B Arora	16666 to Akhlesh Arora			Eligible		50000
24	SUNIL KUMAR GUPTA	Mechanical Engineering.	Thermo-economic assessment of air conditioner utilizing direct evaporative cooling: A comprehensive analysis							Not Eligible		
25	Sheel Bhadra	Mechanical Engineering.	Performance and emission characteristics analysis of LPG-Karanja biodiesel on CI engine with optimization							Not Eligible		
26	PRADEEP KUMAR MEENA	Mechanical Engineering.	Characterization, utility, and interrelationship of household organic waste generation in academic campus for the production of biogas and compost: a case study							Not Eligible		
27	PRADEEP KUMAR MEENA	Mechanical Engineering.	Zone-wise biogas potential in India: fundamentals, challenges, and policy considerations							Not Eligible	No Pagination, Duplicate with S. No. 27	
28	Ashutosh Mishra	Mechanical Engineering.	Exergy-based sustainability analysis of combined cycle gas turbine plant integrated with double-effect vapor absorption refrigeration system							Not Eligible		
29	RASHIN KHERA	Mechanical Engineering.	Performance analysis and multi-objective optimization of a vortex tube integrated single-stage vapour compression refrigeration cycle	50000	33333.34 to Rashin Khera	8333.33 to Akhlesh Arora	8333.33 to B.B. Arora			Eligible		50000
30	Girish Kumar	Mechanical Engineering.	Analyzing barriers for implementing new vehicle scrap policy in India	10000	10000 to Girish Kumar					Eligible		10000
31	Girish Kumar	Mechanical Engineering.	Assessment of sustainable maintenance performance of automobile garages in India	40000	25000 to Girish Kumar	5000 to Aman Pundhir	5000 to Saurabh Tiwari	5000 to Rubal Sharma		Eligible		40000
32	Girish Kumar	Mechanical Engineering.	Analyzing the barriers for aquaponics adoption using integrated BWM and fuzzy DEMATEL approach in Indian context	33333.34	20833.34 to Girish Kuamr	4166 to Aniket Aggarwal	4166 to Divyansh Gupta	4166 to Ashish Yadav		Eligible		33333.34
33	ASHISH KUMAR	Mechanical Engineering.	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	50000	33333.34 to Ashish Kumar	8333.34 to R C Singh	Certificate to Rajiv Chaidhary			Eligible		41666.67
34	ASHISH KUMAR	Mechanical Engineering.	The utilisation of coconut shell ash in production of hybrid composite: Microstructural characterisation and performance analysis	50000	33333.34 to Ashish Kumar	8333.34 to R C Singh	Certificate to Rajiv Chaidhary			Eligible		41666.67



47	SHUBHANGI CHOURASIA	Mechanical Engineering.	Integration of Nano Diamond and Graphene in Plasma Sprayed Alumina Matrix for Enhancing Tribological Properties	50000	17000	16500	16500	NA	NA				Not Eligible	Volume and Page no. Not assigned	0
48	SHUBHANGI CHOURASIA	Mechanical Engineering.	Redefining Industry 5.0 in Ophthalmology and Digital Metrology: A Global Perspective	30000	25000 to SHUBHANGI CHOURASIA	Certificate to Qasim Murtaza	Certificate to Saurabh Agrawal	5000 to Kalpna Gupta	0				Eligible		30000
49	Kalpana Gupta	Mechanical Engineering.	Development of ZrB2-SiC Plasma-Sprayed Ceramic Coating for Thermo-chemical Protection in Hypersonic Vehicles	50000	33333.33 to Kalpna Gupta	Certificate to Qasim Murtaza	8333.34 to N Yuvraj						Eligible		41666.66
50	Neelam Baghel	Mechanical Engineering.	Performance evaluation and optimization of albedo and tilt angle for solar photovoltaic system	41666.67	33334 to Neelam Bhagel	8333.33 Manjunath K	Certificate to Anil Kumar						Eligible	Duplicate with S. no. 4	41666.66
51	Rajesh Kumar Maurya	Mechanical Engineering.	Optimization of Residual Stresses, Tool Wear, and Material Removal Rate of Tempered EN-36C Alloy Steel in CNC Turning Using Response Surface Methodology	0									Not Eligible	Volume and Page no. not assigned	0
52	Anand Sharma	Mechanical Engineering.	Chemical assisted ball end magnetorheological finishing of aluminium 7075 alloy	0									Not Eligible	Open Access Journal	0
53	Anand Sharma	Mechanical Engineering.	Surface topography assessment using chemical assisted ball end magnetorheological finishing	50000	25000 to Anand Sharma	25000 to M S Niranjana							Eligible		50000
54	RATNESH KUMAR GUPTA	Mechanical Engineering.	Development and Experimental Investigations of Squeeze Film Damper Setup for High Rotational Speeds and Oil Pressure	50000									Not Eligible	Volume and Page no. not assigned	0



63	DR. ANIL KUMAR	Mechanical Engineering.	Thermo-enviro-economic analysis of conventional steam distillation system for peppermint oil extraction	37500	37500 to Anil Kumar									Eligible		37500
64	DR. ANIL KUMAR	Mechanical Engineering.	Comprehensive review on performance assessment of solid oxide fuel cell-based hybrid power generation system	0	Certificate Anil Kumar									Eligible	Certificate to Anil Kumar	0
65	Sankar Ram T	Mechanical Engineering.	Multi-physics modelling of quench in a superconducting magnet using bond graph	33333	16666.67 to Sankar Ram T	16666.67 to Vikas Rastogi	0							Eligible		33333.34
66	Sankar Ram T	Mechanical Engineering.	Multiphysics Stress Analysis of a 1.5 T Superconducting MRI Magnet	33333	16666.67 to Sankar Ram T	16666.67 to Vikas Rastogi	0							Eligible		33333.34
67	Neeraj Budhraj	Mechanical Engineering.	Plasma reforming for hydrogen production: Pathways, reactors and storage	50000	33333.33 to Neeraj Budhraj	Certificate to Amit Pal	Certificate to R S Mishra							Eligible		33333.34
68	Neeraj Budhraj	Mechanical Engineering.	Optimizing Methanol Reforming Parameters for Enhanced Hydrogen Selectivity in an Aspen Hysys Simulator using Response Surface Methodology	50000	33333.33 to Neeraj Budhraj	Certificate to Amit Pal	Certificate to R S Mishra							Eligible		33333.34
69	Neeraj Budhraj	Mechanical Engineering.	Modeling and analysis for enhanced hydrogen production in process simulation of methanol reforming	50000										Not Eligible	Taylor n Farscis is not part of the recommended publishers and impact factor is	0
70	Prof. Qasim Murtaza	Mechanical Engineering.	Phase, Microstructure, and Tensile Strength of Al6351-Graphite - WC Hybrid Metal Matrix Composites	33333.33	25000 to Qasi Murtaza	8333.33 to Shahazad Ali								Eligible	Proof of corresponding author is required	33333.33
71	HARI SHANKER	Mechanical Engineering.	Comparative study of microstructural and mechanical properties of robotic CMT and GMAW welded 7475-T7351 aluminium alloy joints	50000	25000 to HARI SHANKER	25000 to Reeta Wattal	NA	NA	NA					Eligible		50000
72	Pradeep Kumar Meena	Mechanical Engineering.	Zone-wise biogas potential in India: fundamentals, challenges, and policy considerations	12500	37500									Not Eligible	Pagination is being done in 2024	
73	Pradeep Kumar Meena	Mechanical Engineering.	Investigation of combustion and emission characteristics of an SI engine operated with compressed biomethane gas, and alcohols	12500	37500									Not Eligible	Pagination is being done in 2024	

74	Pradeep Kumar Meena	Mechanical Engineering.	Characterization, utility, and interrelationship of household organic waste generation in academic campus for the production of biogas and compost: a case study	12500	37500							Not Eligible	Pagination is being done in 2024	
75	Shahazad Ali	Mechanical Engineering.	Mr. Synergetic Effect of Gr-B4C Reinforcement on the Structural and Mechanical Properties of AA6351 Hybrid Metal Matrix Composites	33333.33	25000 to Shahazad Ali	Certificate to Qasim Murtaza						Eligible		25000
76	Dr. Prem shanker yadav	Mechanical Engineering.	Novel investigation on atomization, performance, and emission characteristics of preheated jatropha oil methyl ester and ethyl ester	20000	10000 to Prem shanker yadav	10000 Raghvendra Gautam						Eligible		20000
77	Madhukar Chhimwal	Mechanical Engineering.	Markovian approach to evaluate circularity in supply chain of non ferrous metal industry	50000	16666.67 to Madhukar Chhimwal	16666.67 to Saurabh Agrawal	Certificate to Girish Kumar					Eligible		33333.34
78	Mohd Asjad Siddiqui	Mechanical Engineering.	Development and assessment of a novel natural gas fuelled HCCI engine based combined power, heating, and refrigeration system	50000	50000 to Mohd Asjad Siddiqui							Eligible		50000
79	RAJESH KUMAR	Mechanical Engineering.	Thermodynamic assessment of a new PTC operated polygeneration system for fresh water, cooling, electricity and hydrogen production for a residential community	50,000/-	25,000 to Faizan Khalid	25,000 to Rajesh Kumar						Eligible		50000
80	ANAND KUSHWAH	Mechanical Engineering.	Optimization of Drying Parameters for Hybrid Indirect Solar Dryer for Banana Slices Using Response Surface Methodology	25000	25000 to ANAND KUSHWAH	Certificate to Anil Kumar						Eligible	Duplicate with s. no.7	25000
81	ANAND KUSHWAH	Mechanical Engineering.	Environmental Sustainability and Exergetic Based Sustainability Indicators for Heat Exchanger-Evacuated Tube Assisted	18750	18750 to Anand Kushwah	Certificate to Anil Kumar						Eligible	Duplicate with S.No. 6	18750
82	KHUSHBU YADAV	Mechanical Engineering.	ANN prediction approach analysis for performance and emission of antioxidant-treated waste cooking oil biodiesel	50000	16666.67 to Kushbu Yadav	16666.67 Naveen Kuamar	16666.67 to Rajiv Chaudhary					Eligible		50000
83	Mohmad Iqbal	Mechanical Engineering.	Bearing Fault Diagnosis in CNC Machine Using Hybrid Signal Decomposition and Gentle AdaBoost Learning	50000	25000 to Md. Iqbal	25000 to A K Madan	NA	NA	NA			Eligible		50000
84	Dr. Husain Mehdi	Mechanical Engineering.	Modification of Microstructure and Mechanical Properties of AA6082/ZrB2 Processed by Multipass Friction Stir Processing	50000	37500 to Husain Mehdi	12500 to R S Mishra						Eligible		50000
85	RAVI KANT	Mechanical Engineering.	Thermodynamic analysis of solar assisted steam distillation system for peppermint oil extraction	37500	37500 to Ravi Kant	Certificate to Anil Kumar						Eligible	Duplicate with S. No. 86	37500
86	RAVI KANT	Mechanical Engineering.	Solar drying of peppermint leave: Thermal characteristics, drying kinetics, and quality assessment	31250	25000 to Ravi Kant	6250 to Anand Kushwah	Certificate to Anil Kumar					Eligible	Duplicate with S. No. 85	31250



87	Anant Bhardwaj	Mechanical Engineering.	Morphology of Finished Brass Surface by Thermal Additive Centrifugal Abrasive Flow Machining Process Using Novel Electrode	50000							Not Eligible	Pagination is being done in 2024	0
88	Anant Bhardwaj	Mechanical Engineering.	Novel electrode for thermal additive centrifugal force-assisted abrasive flow machining	50000	16666.67 to Anant Bhardwaj	16666.67 to K Srinivas	16666.67 to Rajiv Chaudhary				Eligible		50000
89	Anant Bhardwaj	Mechanical Engineering.	Analysis of Shapes of Centrifugal Force-Generating Rod in Centrifugal Force-Assisted Abrasive Flow Machining Process	50000	16666.67 to Anant Bhardwaj	16666.67 to K Srinivas	16666.67 to Rajiv Chaudhary				Eligible		50000
90	ANIL KUMAR	Mechanical Engineering.	A novel reduced nano- phase change material based absorber for enhancing the water productivity and performance of solar desalination system	41666.67	33334 to Anil Kumar	8333 to Anand Kushwah	Certificate to Anil Kumar	0	0		Eligible		41666.67
91	Md Gulam Mustafa	Mechanical Engineering.	Numerical Analysis and Moth Flame Optimization of Passive T-Micromixer with Twist and Bend mixing channel	50000	16666.67 to Md. Gulam Mustafa	16666.67 to Md. Zunaid	16666.67 to Samsher				Eligible		50000
92	Ashok Kumar Singh	Mechanical Engineering.	Eco-Design Requisites for Solar Desalination Still Augmented Evacuated Annular Tube Collectors with Parabolic Concentrator: An Optimum-Environ-Economic Viability	50000	25000 to Ashok Kumar	25000 to Samsher					Eligible		50000
93	MOHIT VISHNOI	Mechanical Engineering.	"Mechanical and Erosion Characterization of Untreated and Solution-Treated Nitrogen-Alloyed (23-8N) Austenitic Stainless Steel"	50000	16666.67 to Mohit Vishnoi	16666.67 to Qasim Murtaza	16666.67 to Paras Kumar				Eligible		50000
94	MOHIT VISHNOI	Mechanical Engineering.	Mechanical and Surface Wettability Analysis of Rare Earth Modified Composite Coating Developed Using Metal Spraying								Not Eligible	Pagination is being done in 2024	0
95	MOHIT VISHNOI	Mechanical Engineering.	Mechanical and surface characterization of Er <sub>2</sub> O <sub>3</sub> /La <sub>2</sub> O <sub>3</sub> /CeO <sub>2</sub> doped carbide coating developed using high velocity oxy fuel (HVOF)	50000	16666.67 to Mohit Vishnoi	Certificate to Qasim Murtaza	16666.67 to Paras Kumar				Eligible		33333.34
96	Dr N YUVARAJ	Mechanical Engineering.	Mechanical and Tribological Properties of AA6061/SiC/Aloe Vera Powder Hybrid Al Composites Fabricated by Stir Casting	25000	12500 to N Yuvraj	12500 to Plash Issar					Eligible		25000