

S. No	Name of the Applicant	Department Name	Title	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	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	Certificate Anil Kumar					Eligible		0
2	DR. ANIL KUMAR	Mechanical Engineering.	Efficient photosensitive light harvesting dye sensitized solar cell using hibiscus and rhodamine dyes	Certificate Anil Kumar					Eligible		0
3	DR. ANIL KUMAR	Mechanical Engineering.	Effect of Different Counter Electrodes on Power Conversion Efficiency of DSSCs	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 ₂ O ₃ -40%TiO ₂ coating on thermal conductivity and corrosion rate of SS 304 substrate	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	37500						Not Eligible	No Pagination	
17	Nitin	Mechanical Engineering.	Failure investigations of last stage low-pressure steam turbine blade	25000 to Nitin Sehra	25000 to Dr. Sushila Rani	NA	NA	NA		Eligible	The primary publisher KOREAN SOC MECHANICAL ENGINEERS is not in the award list.	50000
18	S.LALHRIATPUJA	Mechanical Engineering.	Computational optimization of engine performance and emission responses for dual fuel CI engine powered with biogas and Co3O4 nanoparticles doped biodiesel	37500 to S.Lalhriatpuja	12500 to Amit Pal					Eligible		50000
19	S.LALHRIATPUJA	Mechanical Engineering.	Computational optimization of engine emissions and performance of a CI engine powered with biogas and NiO nanoparticles doped diesel	37500 to S.Lalhriatpuja	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 ₂ O ₃ nanoparticles	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	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	16666 to Sunil Kumar Gupta	16666 to B B Arora	16666 to Akhilesh Arora			Eligible		50000
23	SUNIL KUMAR GUPTA	Mechanical Engineering.	Effect of varying ambient conditions on the performance of air conditioner using evaporative cooler	16666 to Sunil Kumar Gupta	16666 to B B Arora	16666 to Akhilesh 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	33333.34 to Rashin Khera	8333.33 to Akhilesh 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 to Girish Kumar					Eligible		10000
31	Girish Kumar	Mechanical Engineering.	Assessment of sustainable maintenance performance of automobile garages in India	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	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/AI2O3/Coconut Shell Ash Hybrid Nano Composite Prepared through Ultrasonic Assisted Stir-Casting	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	10000 to Ashish Kumar	2500 to R C Singh	Certificate to Rajiv Chaidhary			Eligible		12500
35	ASHISH KUMAR	Mechanical Engineering.	Influence of tool rotational speed on mechanical and corrosion behaviour of friction stir processed AZ31/AI2O3 nanocomposite					0	Not Eligible		
36	Saket Kumar	Mechanical Engineering.	Energy and exergy assessment of diesel-tallow biodiesel blend in compression ignition engine for engine design variables	37500 to Saket Kumar	12500 to Raghvendra Gautam				Eligible		50000
37	SHARAT CHANDRA SRIVASTAVA	Mechanical Engineering.	Microstructural analysis of microwave processed EWAC + Cr3C2 cladding on SS-304 substrate	16666.66 to Sharat Chandra Srivastava	16666.66 to Qasim Murtaza	16666.66 to Paras Kumar			Eligible		50000
38	Yunis Khan	Mechanical Engineering.	Performance analysis of a solar based novel trigeneration system using cascaded vapor absorption-compression refrigeration system	37500 to Yunis Khan	12500 to R S Mishra				Eligible		50000
39	Yunis Khan	Mechanical Engineering.	Thermodynamic analysis and experimental investigation of the water spray cooling of photovoltaic solar panels	12500 to Yunis Khan	4166.67 to Roshan Raman				Eligible		16666.67
40	SYED WASIUL HASAN RIZVI	Mechanical Engineering.	Automotive industry and industry 4.0-Circular economy nexus through the consumers' and manufacturers' perspectives: A case study	16666 to SYED WASIUL HASAN RIZVI	16666 to Qasim Murtza	16666 to Saurabh agrawal			Eligible		50000
41	Dr. Sumit Jain	Mechanical Engineering.	Influence of SiC Microparticles and Multi-Pass FSW on Weld Quality of the AA6082 and AA5083 Dissimilar Joints	33333.33 to Sumit Jain	Certificate to R S Mishra	8333.33 to Husain Mehdi			Eligible		41666.67
42	Dr. Sumit Jain	Mechanical Engineering.	Parametric Optimization of FSWed Dissimilar Composite Joints of AA7075 and AA6061 Using RSM	37500 to Sumit Jain	12500 to R S Mishra				Eligible		50000

43	Prabhat Ranjan	Mechanical Engineering.	Morphological, microstructural and mechanical study of FGM coatings prepared using HVOF technique	16666.66 to Prabhat Ranjan	16666.66 to Rajesh Kumar					Eligible		33333.34
44	Dr. Abhishek Sahu	Mechanical Engineering.	Triple bottom line performance of manufacturing Industry: A value engineering approach	33333.34 to Abhishek Sahu	Certificate to Saurabh Agrawal	Certificate to Girish Kumar				Eligible		33333.34
45	NIRANJAN SAHOO	Mechanical Engineering.	Potential of solar thermal calciner technology for cement production in India and consequent carbon mitigation	33333.34 Niranjan Sahoo	Certificate to Anil Kumar	Certificate to Samsher				Eligible	Duplicate with s.no.11	33333.34
46	NIRANJAN SAHOO	Mechanical Engineering.	Design of solar cement plant for supplying thermal energy in cement production	33334 to Niranjan Sahoo	Certificate to Anil Kumar	8333 to Samsher				Eligible	Duplicate with s. No. 10	41666.67
47	SHUBHANGI CHOURASIA	Mechanical Engineering.	Integration of Nano Diamond and Graphene in Plasma Sprayed Alumina Matrix for Enhancing Tribological Properties	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	25000 to SHUBHANGI CHOURASIA	Certificate to Qasim Murtaza	Certificate to Saurabh Agrawal	5000 to Kalpna Gupta	0		Eligible		30000
49	Kalpna Gupta	Mechanical Engineering.	Development of ZrB2-SiC Plasma-Sprayed Ceramic Coating for Thermo-chemical Protection in Hypersonic Vehicles	0	0	0				Not Eligible	Not Eligible Published in 2024	0
50	Neelam Baghel	Mechanical Engineering.	Performance evaluation and optimization of albedo and tilt angle for solar photovoltaic system	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							Not Eligible	Volume and Page no. not assigned	0

52	Anand Sharma	Mechanical Engineering.	Chemical assisted ball end magnetorheological finishing of aluminium 7075 alloy									Not Eligible	Open Access Journal	0
53	Anand Sharma	Mechanical Engineering.	Surface topography assessment using chemical assisted ball end magnetorheological finishing	25000 to Anand Sharma	25000 to M S Niranjn							Eligible		50000
54	RATNESH KUMAR GUPTA	Mechanical Engineering.	Development and Experimental Investigations of Squeeze Film Damper Setup for High Rotational Speeds and Oil Pressure									Not Eligible	Volume and Page no. not assigned	0
55	RATNESH KUMAR GUPTA	Mechanical Engineering.	prehensive Experimental Analysis of a Squeeze Film Damper for Flexible Rotor Applications: Utilizing Box-Behnken Design with Desirability Optimization									Not Eligible	Volume and Page no. not assigned	0
56	Gaurav Kumar	Mechanical Engineering.	Supercritical water flow in heated wire wrapped rod bundle channels: A review	37500 to Gaurav Kumar	12500 to Raj Kumar Singh							Eligible		50000
57	Sanjeev Kumar	Mechanical Engineering.	Life cycle analysis of biodiesel derived from fresh water microalgae and Karanja	37500 to Sanjeev Kuamr	12500 to Amit Pal	Nil	Nil	Nil				Eligible		50000
58	Dharmendra Kumar	Mechanical Engineering.	Coordination of circular supply chain for online recommerce platform in industry 4.0 environment: A game-theoretic approach	12500 to Dharmendra	12500 to Raj Kumar Singh	Certificateto Saurabh Aggarwal						Not Eligible	Proof of impact factor is required	25000
59	Piu Jain	Mechanical Engineering.	A TISM approach for the analysis of enablers in implementing mass customization in Indian manufacturing units	16666.67 to Piu jain	16666.67 to S K Garg							Not Eligible	Proof of impact factor is required	33333.33

60	Gaurav Kumar	Mechanical Engineering.	Supercritical water flow in heated wire wrapped rod bundle channels: A review							Not Eligible	Repeated Entry with s. No. 56	0
61	DR. ANIL KUMAR	Mechanical Engineering.	Simulation, modeling and experimental performance investigations of novel giant water lens solar thermoelectric generator	37500 to Anil Kumar						Eligible		37500
62	DR. ANIL KUMAR	Mechanical Engineering.	Energy-economic and exergy-environment performance evaluation of solar energy integrated essential oil extraction system	37500 to Anil Kumar						Eligible		37500
63	DR. ANIL KUMAR	Mechanical Engineering.	Thermo-enviro-economic analysis of conventional steam distillation system for peppermint oil extraction	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	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	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	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	33333.33 to Neeraj Budhraj	Certificate to Amit Pal	8333.33 to R S Mishra				Eligible		41666.67

68	Neeraj Budhraj	Mechanical Engineering.	Optimizing Methanol Reforming Parameters for Enhanced Hydrogen Selectivity in an Aspen Hysys Simulator using Response Surface Methodology	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							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	0	0					Not Eligible	Proof of corresponding author is required	0
71	HARI SHANKER	Mechanical Engineering.	Comparative study of microstructural and mechanical properties of robotic CMT and GMAW welded 7475-T7351 aluminium alloy joints	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	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	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	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	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 jatropa oil methyl ester and ethyl ester	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	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 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	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 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 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	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	0	0	NA	NA	NA		Not Eligible	Not Eligible Published in 2024	0
84	Dr. Husain Mehdi	Mechanical Engineering.	Modification of Microstructure and Mechanical Properties of AA6082/ZrB2 Processed by Multipass Friction Stir Processing	0	0					Not Eligible	Not Eligible Published in 2024	0
85	RAVI KANT	Mechanical Engineering.	Thermodynamic analysis of solar assisted steam distillation system for peppermint oil extraction	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	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							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	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	16666.67 to Anant Bhardwaj	16666.67 to K Srinivas	16666.67 to Rajiv Chaudhary				Eligible		50000

90	ANIL KUMAR (Students)	Mechanical Engineering.	A novel reduced nano- phase change material based absorber for enhancing the water productivity and performance of solar desalination system	33334 to Anil Kumar	Certificate to Anand Kushwah	Certificate to Anil Kumar	0	0		Eligible	33334
91	Md Gulam Mustafa	Mechanical Engineering.	Numerical Analysis and Moth Flame Optimization of Passive T-Micromixer with Twist and Bend mixing channel	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	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"	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	0
95	MOHIT VISHNOI	Mechanical Engineering.	Mechanical and surface characterization of Er ₂ O ₃ /La ₂ O ₃ /CeO ₂ doped carbide coating developed using high velocity oxy fuel (HVOF)	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	12500 to N Yuvraj	12500 to Plash Issar					Eligible	25000
97	Tayyab Khan		Comprehensive review on latest advances on rechargeable batteries	10000 to Tayyab Khan	10000 to Akshat Kumar Garg	10000 to Avyay Gupta	10000 to A.K. Madan	10000 to P.K. Jain		Eligible	50000