

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLICATION RECORD

Session	Title of Paper	Name of Author	Name of Journal / Conference	Calendar Year of Publication	ISSN Number	Remark
2023-24	Traffic Sign Recognition using CMN	Dr. Girish Dutt Gautam	ICMRI@2K24 , IIMT College of Engineering, Gr Noida	2024		Paper Presented
	Vehicle Detection using AI and ML based Model to Moderate the Traffic Avoid Congestion Condition	Dr. Girish Dutt Gautam	ICMRI@2K24 , IIMT College of Engineering, Gr Noida	2024		Paper Presented
	Development of A Fire Security System for Cars	Dr. Girish Dutt Gautam	Indian Journal Of Technical Education	2024	0971-3034	
	Integrating Facial Recognition and Emotional Support to Enhance user Experience	Mr. Saswat Kumar Das	ICMRI@2K24 , IIMT College of Engineering, Gr Noida	2024		Paper Presented
	Attendance Automation System using Real-Time Facial Recognition with CSV File	Mr. Saswat Kumar Das	ICMRI@2K24 , IIMT College of Engineering, Gr Noida	2024		Paper Presented
	Synergistic Decontamination of Arsenite Ions from Aqueous Solutions using Zero-Valent Nano Copper Oxide Imprinted Dual Cross-Linked Aquasorbent	Mr. Ashish Kumar Singh	Nature Environment Pollution Technology	2024	0972-6268	
	Measurement of Mechanical Properties of Friction Stir Welding of Al-Li Alloy under Different Environmental Conditions	Mr. Satyaveer Singh	Mapan-Journal of Metrology Society of India	2024	0974-9853	
	Multicriteria Decision-Making for Optimization of Welding Parameters in Cold Metal Transfer and Pulse Metal-Inert Gas Weld Bead of AA2099-T86 Alloy	Mr. Satyaveer Singh	Emerald-Multidiscipline Modeling in Materials and Structures	2024	1573-6105	
	Design, Develop and Optimize Lower Limb Prosthetic Leg	Mr. Krishna Kumar Karothiya	National Conference at IIMT College of Engineering, Greater Noida	2024		Paper Presented
	Design and Implementation of Regenerative Suspension System	Mr. Dhruv Kumar	National Conference at IIMT College of Engineering, Greater Noida	2024		Paper Presented
Automatic and Portable Dishwasher	Mr. Satya Prakash Gupta	National Conference at IIMT College of Engineering, Greater Noida	2024		Paper Presented	

	A Comprehensive Review on Liquid Desiccant Dehumidification and Simulation Tool	Mr. Rahul Rawat	Industrial Engineering Journal	2024	0970-2555	
	Constructing A Potential Electrocatalyst: Highly Multi-Porous CO ₃ O ₄ Nanostructures to Enhance Electrocatalytic Oxygen Evolution Reactions	Dr. Anand Prakash Singh	International Journal of Ionics	2024	4099-4109	
	Preparation of Hydrous Ethanol Diesel Alumina Nano Emulsified Fuel	Mr. Vishal Vasistha	Conference on Chemistry & Chemicals 2022, Dec. 15-18 2022 at Novotel World Trade Centre Dubai, UAE			Paper Presented
	A Study on Effect of Electromagnetic Field on the Fracture Properties of Steel And Aluminium	Mr.Nikhil Gupta, Mr. Dhananjay Kumar Raman	2nd National Conference on New Horizons in Science, Engineering, Management and Humanities	2023	2395-6011	
	Fatigue Strength Experimental Testing of A Cast Aluminium Alloy	Mr. Sunil Kumar Ojha, Mr. Dhruv Kumar	2nd National Conference on New Horizons in Science, Engineering, Management and Humanities	2023	2395-6011	
	The Impact of Metallic Nanoparticles in Biodiesel Fuel Blends: A Comprehensive Review Physiochemical Properties and Emission Characteristics	Mr. Suraj Bhan	2nd National Conference on New Horizons in Science, Engineering, Management and Humanities	2023	2395-6011	
	Noise Generated by Single Cylinder Petrol Engine	Mr. Ashish Kumar Singh, Mr. Rahul Sharma	2nd National Conference on New Horizons in Science, Engineering, Management and Humanities	2023	2395-6011	
	Some Investigations on Glass-Reinforced Aluminium Laminate (Glare) for Marine Applications	Dr. Sumit Mahajan	2nd National Conference on New Horizons in Science, Engineering, Management and Humanities	2023	2395-6011	
	Impact of Hydrous Ethanol-Diesel-Al ₂ O ₃ Nano Emulsified Fuel on Diesel Engine Performance	Mr.Vishal Vasistha	2nd National Conference on New Horizons in Science, Engineering, Management and Humanities	2023	2395-6011	
	Andriod Based Automated Wheel Chair	Mr. Nikhil Gupta	2nd National Conference on New Horizons in Science, Engineering, Management and Humanities	2023	2395-6011	
2022-23	Advanced Irrigation System	Mr. Satya Prakash Gupta	2nd National Conference on New Horizons in Science, Engineering, Management and Humanities	2023	2395-6011	
	Latest Methods for Solving Engineering Problems Related to Pipes and Cisterns	Mr. Satyaveer Singh	2nd National Conference on New Horizons in Science, Engineering, Management and Humanities	2023	2395-6011	
	Performance and Emissions Characteristics of CI Engine Fuelled with Waste Engine Oil Biodiesel	Mr. Rahul Sharma	Emerging Trends in Mechanical and Industrial Engineeri	2023	2195-4364	
	Analyzing the Impact of Adding Aluminum Oxide and Cerium Oxide Nanoparticles to Waste Cooking Biodiesel on Engine Performance, Combustion and	Mr. Suraj Bhan	Petroleum Science and Technolog BY Taylor & Francis	2022	1532-2459	
	Investigations on Wetting and Structural Behavior using CaF ₂ -SiO ₂ -CaO-22.5%TiO ₂ SMAW Electrode Coating	Dr. Sumit Mahajan	Journal of Material- Design and Application	2023	2041-3076	

	Interfacial Solar Driven Steam Generation by Heat Localization: A Review	Mr. Krisha Kumar Karothiys	Second International Conference on Innovations in Clean Energy Technologies (ICET - 2023), MANIT,	2023		Paper Presented
	A Comprehensive Review on Dessicant Materials, Liquid Dessicant Dehumidification and its Simulation Tools	Mr. Rahul Singh Rawat	1st International Conference on Advances in Heat Transfer and Fluid Dynamics (AHTFD-22)	2023		Paper Presented
	Intelligent Networking Model to Identify Optimal Path in Supply Chain Management for Cold Chain Logistics to Hospital Industry	Mr. Saswat Kumar Das	Emerging Trends in Mechanical and Industrial Engineeri	2023	2195-4364	
	Improved and Efficient Face Identification System for E-Attendance Using Machine Learning Algorithm and Hybrid Haar Cascade Classifier	Mr. Saswat Kumar Das	European Chemical Bulletin	2023	2063-5346	
2021-22	Performance of an Air Gap Membrane Distillation System and Enhancement Using a Low Cost Surface Modification	Dr. Ganesh Babu Shirsath	Journal of Green Energy	2021	1543-5083	
	Roles Of Big Data, Data Science, Artificial Intelligence In Entrepreneurships	Mr. Saswat Das	Proceedings of the International Conference on Advances in Management Practices (ICAMP 2021)	2021	SSRN: https://ssrn.com/abstract=	
	Numerical Investigation of Fuel Injectors using CFX	Mr. Suraj Bhan	Design Engineering	2021	0011-9342	
	A Review on Electromagnetic Field on The Fracture Properties of Steel and Al	Mr. Nikhil Gupta, Mr. D.K. Raman	IJCRT Journal	2021	2395-6011	
	Roll of skilled worker in Industry 4.0 to improve trhe quality of product in manufacturing phase in India	Mr. Dhruv Kumar Prajapati, Mr. Satya Prakash	IJCRT Journal	2021	2395-6011	
	Estimation of Electricity Generation from Ocean Wave Energy for West Coast of India	Mr. Krishna Kumar Karothiya	ICETMIE	2021		Paper Presented
	Fatigue Strength Experimental Testing of a Cast Aluminium Alloy	Mr. Sunil Kumar Ojha, Mr. Manoj Kumar	IJCRT Journal	2021	2395-6011	
	A Review on Emergency Landing Platform for Aircraft	Mr. S.P.Gupta	National Confernece on New Horizons in Science, Engineering, Management and Humanities (SEMH -2021)	2021		Paper Presented
	Design System of an Automatic Tyre Pressure Inflation and Deflation System	Mr. Manoj Kumar, Mr. Krishan Kumar Karothiya	International Journal for Research in Engineering Application and Management	2020	2454-9150	
	Optimise Drilling Path by GA	Mr. Nikhil Gupta, Mr. D K Raman	Journal of Huazhong University of Science and Technology	2021	1671-4512	
	A Methodology and Comparative Study on Reverse Engineering	Mr. D K Prajapati, Mr. Sunil Kumar Ojha	Journal of Huazhong University of Science and Technology	2021	1671-4512	

2020-21	A Comprehensive Review of Performance , Combustion and Emission Characteristic of Biodiesel Fuel Diesel Engine	Mr. Suraj Bhan	3rd International Conference on Computational & Experiment Methods in Mechanical Engineering, GLBITM	2021		Paper Presented
	Risk Pooling Approach in Inventory Control Model for Multi Products in a Distribution Network under Uncertainty	Dr. Peeyush Vats	Advances in Intelligent Systems and Computing	2020	2194-5365	
	Grey-Based Decision-Making Approach for The Selection of Distributor in a Supply Chain	Dr. Peeyush Vats	International Journal of Intelligent Enterprise	2020	1745-3240	
	Weather API Based Smart Hybrid Solar Management System	Mr. Saswat Kumar Das	National Conference on Advances in Civil Engineering and Environmental Sciences	2020		Paper Presented
	Smart Hybrid Solar Air Cooler	Dr. Deo Raj Tiwari	PARIPEX-Indian Journal of Research	2019	2250-1991	
	Design, CAD Modeling & Fabrication of Automatic Hammering Machine	Dr. Deo Raj Tiwari	Global Journal for Research Analysis	2019	2277-8160	
	3 D of Hydraulic Extraction Mini Jcb	Dr. Deo Raj Tiwari	PARIPEX-Indian Journal of Research	2019	2250-1991	
	Literature Review on Lpg Refrigeration System	Mr. Sunil Kumar Ojha, Ms. Asmita Singh Bisen	PARIPEX-Indian Journal of Research	2019	2250-1991	
	Smart and Portable Thermoelectric Heating / Cooling Derived Foodware	Dr. Vijay Kumar	PARIPEX-Indian Journal of Research	2019	2250-1991	
	Automatic Tyre Inflation and Deflation System	Mr. Krishna Kumar Karothiya	PARIPEX-Indian Journal of Research	2019	2250-1991	
	Solar Wind Hybrid Energy Model	Mr. Sunil Kumar Ojha	PARIPEX-Indian Journal of Research	2019	2250-1991	
	Thermoelectric Based All Weather Cooler	Mr. Saswat Kumar Das	Global Journal for Research Analysis	2019	2277-8160	
	Solar Grass Cutter	Mr. Nikhil Gupta	Global Journal for Research Analysis	2019	2277-8160	
	Air Pollutant Neutralization Device	Mr. Nikhil Gupta	Global Journal for Research Analysis	2019	2277-8160	
Automatic Car Parking	Mr. Sunil Kumar Ojha	Global Journal for Research Analysis	2019	2277-8160		

2018-19	Multipurpose Refrigeration	Mr. Satyendra Chaturvedi	Invertis Journal of Renewable Energy	2019	2454-7611	
	Design and Farbrication of Solar Bicycle	Mr. Manoj Kumar	Invertis Journal of Renewable Energy	2019	2454-7611	
	Design and Farbrication of Solar Furnace	Dr. Deo Raj Tiwari , Mr. Dhruv Kumar	Invertis Journal of Renewable Energy	2019	2454-7611	
	Managing Service Quality for Business Firms	Mr. Anil Srivastava	IJSRR	2019	2279-543X	
	Power Spectrum of the Responses of Turning Specimen under Random Excitation	M.Z. Hussain, Mr. D.K. Raman	IJASRM	2019	2455-6378	
	Comparision of Desalination Technologies using Extended Gra Method	Mr. Jugendra Singh, Dr. Vijay Kumar	IJSRR	2019	2279-543X	
	Vibration Based Fault Analysis and Condition Monitoring Bearing	Mr. Sunil Kumar Ojha , Mr. Dhruv Kumar	IJSRR	2019	2279-543X	
	Calculation of Electricity Generation from Ocean Wave Energy for West Coast Of India	Mr. Krishna Kumar Karothiya , Mr. Tribhuvan Singh	IJSRR	2019	2279-543X	
	NFC Enabled Drift Trike	Mr. Siddharth Singh , Mr. Rahul Singh Rawat	IJSRR	2019	2279-543X	
	Influence of Magnetic Field on Bead Geometry of Gas Tungsten Arc Welded Stainless Steel Plate	Mr. Rajeev Kumar	IJAER	2019	0973-4562	
	Extraction of Biofuel From Algae	Mr. Saswat Kumar Das	IJSRR	2019	2279-543X	
	Nocturnal Cooling Assisted Hybrid Air Conditioning System	Mr. Rahul Singh Rawat	Invertis Journal of Renewable Energy	2019	2454-7611	
A Demand Aggregation Approach for Inventory Control in Two Echelon Supply Chain under Uncertainty	Dr. Peeyush Vats	OPSEARCH (Springer)	2019	0975-0320		