

DEPARTMENT OF MECHANICAL ENGINEERING

PAPER PUBLISHED YEAR 2023-2024

S.No	Faculty Authors	Paper title	Journal Name	Volume & Issue/ISSN No	Publish Month & Year	SCI/Scopus /UGC
1.	DR. R M SATHYAMOORTHY,	BUCKLING AND DYNAMIC BEHAVIOR OF UNIFORM AND TAPERED WOVEN CARBON/JUTE FIBER REINFORCED POLYESTER HYBRID COMPOSITE BEAMS	Taylor & Francis	https://doi.org/10.1080/15376494.2023.2215837	Jun 2023	SCOPUS
2.	DR. R M SATHYAMOORTHY,	CHARACTERIZATION OF THE HYDROXYAPATHITE OBTAINED FROM CHICKEN EGG SHELL APPLIED IN BIOCERAMICS	Elsevier	www.elsevier.com/locate/matpr	September 2023	SCOPUS
3.	MR. SOUNTHARARASU V,	“STUDY OF FIRE FIGHTING ROBOT”	Solovyov Studies ISPU	VOLUME 71	October 2023	SCOPUS
4.	MR. P. DHILIP KUMAR MR. ANIL KUMAR DRN. TAMILOLI	REVIEW OF SUPPLY CHAIN MANAGEMENT AND LOGISTICS STUDY	IJFMR	Volume 5, Issue 6	November 2023	UGC
5.	DR. N.TAMILOLI & STUDENTS	STUDY OF DESIGN AND ANALYSIS FOR NOVEL POWER GENERATOR	IJARESM	Volume 11, Issue 11	November-2023	UGC
6.	MR. ANANDAN U M	UNRAVELING THE INTRPLAY BETWEEN AI & SUSTAINABILITY OF CLOSED LOOP SUPPLY CHAIN	JOPT	Volume 40, Issue 1	November 2024	UGC
7.	DR. M. RAJAGOPAL	STUDY OF WEAR HARDNESS TEST ON HEAT TREATMENT ALUMINIUM ALLOW	IJREAM	Volume 09, Issue 8	November-2023	UGC
8.	MS. C.LAVANYA MR. M. PITCHI RAJAN	DESIGN OF SEWAGE TREATMENT PLANT FOR PERI EDUCATION	IJIRT	Volume 10 Issue 7	December 2023	UGC

	DR. G.LOGANATHAN MS. N. THANGAM					
9.	MR. ANIL KUMAR MR. P. DHILIP KUMAR, DR. N. TAMILOLI MR. V. SOUNTHARASU	MACHINE LEARNING AND DEEP LEARNING: THE FRICTION STIR WELDING AND PLASMA ARC WELDING PROCESS	JSDR	Volume 8 Issue 12	December 2023	UGC
10.	DR. N.TAMILOLI MR. J.VENKATESAN	OPTIMIZATION OF END MILLING OF AA6082 USING TAGUCHI METHOD COUPLED WITH GREY RELATIONAL ANALYSIS AND PRINCIPLE COMPOUND ANALYSIS	ACADEMIC JOURNAL OF MANUFACTURI NG ENGINEERING,	VOL.21, ISSUE 4	December 2023	UGC
11.	DR. N. TAMILOLI MR. M. RAMESH MR. ANIL KUMAR DR. R M SATHIYAMOORTHY MR. P. DHILIP KUMAR MR. G. LOGANATHAN MR. V. SOUNTHARASU MR. M. VIGNESH KUMAR	MECHANICAL AND INDUSTRIAL ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, AND DEEP LEARNING	IJPREMS	Vol. 04, Issue 01	January 2024	UGC
12.	MR. M. VIGNESHKUMAR DR. N.TAMILOLI	UTILIZING AR AND VR TO FABRICATE ORGANIZATIONS, FURTHER DEVELOP PRODUCTIVITY AND QUALITY	JETNR	Volume 2, Issue 1	January 2024	UGC
13.	DR. N. TAMILOLI1, MR. J. SUDHAKAR MR. ANIL KUMAR DR. RM SATHIYAMOORTHY MR. P DHILIP KUMAR	USING ARDUINO TO CONTROL THE PIEZOELECTRIC ACTUATOR AND IR SENSOR	IJPREMS	Vol. 04, Issue 02	February 2024	UGC

	DR. G LOGANATHAN MR. V SOUNTHARASU MR. M VIGNESH KUMAR					
14.	DR. M. RAJAGOPAL	FABRICATION & TESTING OF HYBRID ELECTRICAL VEHICLE	IJREAM	VOL.10, ISSUE 1	April 2024	UGC
15.	DR. M. RAJAGOPAL	STUDIES ON PCM BASED SOLAR DESALINATION SYSTEM	IJREAM	VOL.10, ISSUE 1	April 2024	UGC
16.	DR. N. TAMILOLI	PROCESS PARAMETER OPTIMIZATION FOR FRICTION STIR WELDING AND AA6061T6 ALLOY USING ANN	BTA	Book no 4, Volume 30	May 2024	UGC
17.	DR. N. TAMILOLI MR. J. VENKATESAN, DR. T. SAMPATH KUMAR	MECHANICAL, CORROSION, AND TRIBOLOGICAL PROPERTIES OF COATED MILLING INSERTS	JMEPEG	https://doi.org/10.1007/s11665-024-09645-7	June 2024	UGC
18.	DR. ABHILASH. V MR. SOUNTHARARASU. V	PARAMETER OPTIMIZATION AND STUDIES ON THE PROPERTIES OF SIMILAR PTIG WELDED AA6082 ALUMINIUM ALLOYS	Taylor & Francis Group	ISBN 978-1-032-90013-1	July 2024	SCOPUS
19.	DR. N.TAMILOLI	A REVIEW OF DESIGN PARAMETERS AND FABRICATION PROCESSES ON A WIND TURBINE	ACADEMIC JOURNAL OF MANUFACTURING ENGINEERING	VOL.22, ISSUE 2/2024	July 2024	UGC
20.	DR. N.TAMILOLI MR. ANIL KUMAR	A REVIEW OF QUANTUM COMPUTING APPLICATIONS IN MECHANICAL AND INDUSTRIAL ENGINEERING	Journal of Systems Engineering and Electronics	Volume 34 ISSUE 6 2024	July 2024	UGC
21.	MR. M.VIGNESHKUMAR, DR. N.TAMILOLI.	UTILIZING AR AND VR TO FABRICATE ORGANIZATIONS, FURTHER DEVELOP PRODUCTIVITY AND QUALITY.	JETNR	2984-9276	January 2024	UGC
22.	MR. PRABHU MK,	UNRAVELING THE INTERPLAY BETWEEN ARTIFICIAL	Tuijin Jishu/Journal of	1001-4055	January 2024	SCOPUS

	MR. SIVARAMAN P, MR. KEERTHIVASANT, MR. ANANDHAN U M, MR. M SIVASHANKAR	INTELLIGENCE AND THE SUSTAINABILITY OF CLOSED- LOOP SUPPLY CHAINS	Propulsion Technology			
23.	DR. N.TAMILOLI	OPTIMIZATION OF END MILLING OF AA6082 USING TAGUCHI METHOD COUPLED WITH GREY RELATIONAL ANALYSIS AND PRINCIPLE COMPOUND ANALYSIS	Academic Journal Of Manufacturing Engineering	1583-7904,	January 2024	(SCOPUS)
24.	DR. N. TAMILOLI , MR. ANIL KUMAR, DR. RM SATHIYAMOORTHY, MR. P DHILIP KUMAR, DR. G LOGANATHAN, MR. V SOUNTHARASU, MR. M VIGNESH KUMAR	USING ARDUINO TO CONTROL THE PIEZOELECTRIC ACTUATOR AND IR SENSOR	International Journal Of Progressive Research In Engineering Management And Science	2583-1062	Feb 2024	(UGC)
25.	DR M. RAJAGOPAL	FABRICATION AND TESTING OF HYBRID VEHICLE	IJREAM	24549150	May2024	UGC
26.	DR M. RAJAGOPAL	STUDIES ON PCM BASED SOLAR DESOLATION SYSTEM	IJREAM	24549150	May2024	UGC
27.	DR. N. TAMILOLI,	PROCESS PARAMETER OPTIMIZATION FOR FRICTION STIR WELDING OF AA6061T6 ALLOY USING ANN	JBT Asso	13104772	May 2024	Scopus
28.	DR. N.TAMILOLI	MECHANICAL, CORROSIONS AND TRIBOLOGICAL PROPERTIES OF COATED MILLING INSERTS (SCI)	Springer	1059-9495	June 2024	Springer
29.	DR. N. TAMILOLI, MR. ANIL KUMAR	A REVIEW OF QUANTUM COMPUTING APPLICATIONS IN MECHANICAL AND INDUSTRIAL ENGINEERING (SCOPUS)	JEEE	1671-1793	June 2024	UGC
30.	MR. T.GOWTHAM, MR.T.GOWSHIK, MR. P.DHARANIDHARAN, DR. N.TAMILOLI	A STUDY GLOBAL WARMING	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
31.	MR. SENTHILKUMAR M,		International	2581-7795	July 2024	UGC

	MR. NANDAKUMAR D, MR. MAHENDRAKUMAR K, MR. PRABAKARAN.P	SIMULATION AND ANALYSIS OF HYDRO JET MACHINING NOZZLE	Research Journal Of Education And Technology			
32.	DR. R. M. SATHIYA MOORTHY MR. T. DHARANIVARAN, MR. S. NITHYANANDAM, MR. C. PUVIRASAN, MR. G. RAJESH	EXPERIMENTAL INVESTIGATION OF HYBRID COMPOSITE LAMINATE	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
33.	MR. L. ABINESH, MR. S.VALLARASU, MR. D.MOHAN MR. V.THIRUMURUGAN, DR. N.TAMILOLI	STUDY OF STRUCTURAL ANALYSIS IN CONNECTING ROD	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
34.	MR. S VALLARASU, MR. L. ABINESH, MR. D.MOHAN, MR. V.THIRUMURUGAN, DR. N.TAMILOLI	STATIC AND DYNAMICS ANALYSIS OF TAIL-STOCK AND HEAD STOCK	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
35.	MR. RAJA D, MR. BRAGADEESH K, MR. GOKUL K, MR. HARISH M, DR. N.TAMILOLI	STUDY OF VEHICLE MANAGEMENT SYSTEM USING LITHIUM BATTERY	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
36.	MR. HARISH M, MR. BRAGADEESH K, MR. RAJA K, MR. GOKUL K, DR. N.TAMILOLI	OPTIMIZATION OF ABRASIVE JET MACHINING PROCESS USING TAGUCHI METHODS	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
37.	MR. V.THIRUMURUGAN, MR. S VALLARASU, MR. L. ABINESH, MR. D.MOHAN, DR. N.TAMILOLI	MATHEMATICAL EQUATION OF DRILLING MACHINES PARAMETERS	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC

38.	MR. GOKUL K, MR. HARISH M, MR. RAJA K, MR. BRAGADEESH K, DR. N.TAMILOLI	STUDY OF MECHANICAL AND MACHINING PROPERTY OF SIC WITH NATURAL FIBER	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
39.	MR. D.MOHAN, MR. V.THIRUMURUGAN MR. L. ABINESH, MR. S VALLARASU, DR. N.TAMILOLI	EXPERIMENTAL STUDY AND ANALYSIS OF DRUM BRAKE	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
40.	MR. BRAGADEESH K, MR GOKUL K, MR. HARISH M, MR. RAJA K, DR. N.TAMILOLI	DESIGN OF SPUR GEAR USING COMPOSITE MATERIALS: A COMPREHENSIVE APPROACH	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
41.	MR. V.SOUNTHARARASU, MR. ARINARAYANAN.P, MR. GOKULRAJ.S, MR. GOWTHAM.P, MR. NANDHAKUMAR.S	DESIGN THERMAL AND STRUCTURAL ANALYSIS OF PISTON WITH DIFFERENT MATERIALS USING FINITE ELEMENT ANALYSIS	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
42.	MR. V. SOUNTHARARASU, MRGOKULRAJ.S, MR. GOWTHAM.P, MR. NANDHAKUMAR.S, MR. ARINARAYANAN.P	SMART IRRIGATION BASED ON INTERNET OF THINGS	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
43.	MR. V. SOUNTHARARASU, MR. S.SUJEETH, MR. M.RAGUL, MR R.JEYAKANTHAN	DESIGN AND FABRICATION OF GROUNDNUT SHELLING AND SEPARATING MACHINE	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
44.	MR. V. SOUNTHARARASU, MR. M.RAGUL, MR.	ECO FRIENDLY UNION OF SILVER NANO-PARTICLES FROM	International Research Journal Of Education And	2581-7795	July 2024	UGC

	R.JEYAKANTHAN, MR. S.SUJEETH	INDUSTRIALLY ACCESSIBLE PLANT POWDERS AND THEIR ANTIBACTERIAL PROPERTIES	Technology			
45.	MR. P. DHILIP KUMAR, MR. GEETHAPRIYAN M.G, MR. MUKESH .R , MR. SELVIN GINO .S, MR. SUBBRAMANIAN .S	SMART IRRIGATION SYSTEM - USING IOT TO OPTIMIZE WATERING SCHEDULE BASED ON SOIL MOISTURE AND WEATHER CONDITIONS	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
46.	MR. P. DHILIP KUMAR, MR. MUKESH R , MR. SELVIN GINO.S, MR. SUBBRAMANIAN .S , MR.GEETHAPRIYAN .M.G	EFFECT OF STRAIN RATE AND TEMPERATURE ON STRAIN HARDENING BEHAVIOR OF A DISSIMILAR JOINTBETWEEN TI- 6AL-4V AND TI17 ALLOYS	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
47.	MR. P. DHILIP KUMAR, MR. SELVINGINO .S, M R . SUBBRAMANIAN.S , MR. GEETHAPRIYAN .M.G, MR MUKESH .R	FRICTION STIR WELDING OF DISSIMILAR MATERIALS BETWEEN AA6061 AND AA7075 AL ALLOYS EFFECTS OFPROCESS PARAMETERS	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
48.	MR. P. DHILIP KUMAR, MR. SUBBRAMANIAN .S , MR. GEETHAPRIYAN M.G, MR MUKESH .R, MR. SELVIN GINO .S	TENSILE PROPERTIES OF FIBER LASER WELDED JOINTSOF HIGH STRENGTH LOW ALLOY AND DUAL-PHASE STEELS AT WARM AND LOW TEMPERATURES	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
49.	MR. ANANDAN U M, MR. NANDHAKUMAR.S, MR. ARINARAYANAN.P,	CHARACTERIZATION OF HEAT AFFECTED ZONE LIQUATION CRACKING IN LASER ADDITIVE MANUFACTURING OF INCONEL	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
50.	MR. ANANDAN U M, MR. S.MURALIDHARAN, MR. D SANJAY, MR. E. SUBASH, MR. M. JOSHUA DANIEL	EXPERIMENTAL ANALYSIS AND ENHANCEMENT OF MECHANICAL PROPERTIES OF AL 6082 & AL2O3	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
51.	MR. ANANDAN U M, MR. D SANJAY,	3D PRINTING FOR FUNCTIONAL ELECTRONICS BY INJECTION AND PACKAGE OF LIQUID	International Research Journal	2581-7795	July 2024	UGC

	MR. E. SUBASH, MR. M. JOSHUA DANIEL, MR. S.MURALI DHARAN	METALS INTO CHANNELS OF MECHANICAL STRUCTURES	Of Education And Technology			
52.	MR. ANDAN U M, MR. E. SUBASH, MR. M. JOSHUA DANIEL, MR. S.MURALI DHARAN, MR. D SANJAY	POLYMER-BASED SMART MATERIALS BY PRINTING TECHNOLOGIES: IMPROVING APPLICATION AND INTEGRATION	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
53.	MR. ANANDAN U M, MR. M. JOSHUA DANIEL, MR. S.MURALIDHARAN, MR. D SANJAY, MR. E. SUBASH	3D PRINTING OF POLYMER- BONDED MAGNETS FROM HIGHLY CONCENTRATED, PLATE-LIKE PARTICLE SUSPENSIONS	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
54.	MR. PRABAKARAN P, MR. KARTHIKEYAN S, DR. ABHILASH V	REDUCING EMISSIONS IN CI ENGINES: ANTIOXIDANT INFLUENCE ON ALGAE BIODIESEL BLEND	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
55.	DR. ABHILASH V, MR. ANIL KUMAR, MR. DHILIPKUMAR P, MR. PRABAKARAN P	OPTIMIZING EFFICIENCY: AUTOMATED ASSEMBLY LINE BALANCING STRATEGIES AND IMPLEMENTATION COSTS	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
56.	DR. ABHILASH V, MR. BALACHANDAR S, MR. BALAMURUGAN P, MR. DEEPAK R	ANALYZING FATIGUE AND TENSILE MECHANISM IN ALUMINUM ALLOY 6062: A COMBINED EXPERIMENTAL AND NUMERICAL APPROACH	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC
57.	MR. P. PRABAKARAN , DR. S. KARTHIKEYAN	EFFECT OF NANO ADDITIVES ON COMBUSTION, PERFORMANCE AND EMISSION CHARACTERISTICS OF ALGAE OIL FOR CI ENGINE	International Research Journal Of Education And Technology	2581-7795	July 2024	UGC