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DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR: 2016 – 2017

JOURNALS PUBLISHED

S.No	Authors Name	Name of the Paper	Name of the Journal	Published Year	Indexing
1	R.K. RATHINAM ANGAMUTHU KARTHIKEYAN THANGAVELU	REDUCTION OF COMPONENTS IN NEW FAMILY OF DIODE CLAMP MULTILEVEL INVERTER ORDEAL TO INDUCTION MOTOR	JOURNAL OF SEMICONDUCTOR TECHNOLOGY AND SCIENCE (ANNA UNIVERSITY ANNEXURE I)	2016	SCOPUS
2	M. KALIDASS S. NANDHAKUMAR	HEAT TRANSFER IMPROVEMENT IN RADIATOR BY EFFECT OF DIFFERENT WALLS EMISSIVITY	INTERNATIONAL JOURNAL OF RESEARCH IN ADVANCED TECHNOLOGY	2016	GOOGLE SCHOLAR
3	M. KALIDASS K. SHARMILADEVI	HEAT TRANSFER AUGMENTATION IN DOUBLE PIPE HEAT EXCHANGER BY USING ALOEVERA WITH ETHYLGLYCOL	INTERNATIONAL JOURNAL OF RESEARCH IN ADVANCED TECHNOLOGY	2016	GOOGLE SCHOLAR
4	K.C. KEERTHIVASAN M. KALIDASS S. NANDHAKUMAR	BIO DIESEL PREPARATIONAND BLENDING OF FUUEL WITH DIESEL BY USING WASTE SUNFLOWER OIL	INTERNATIONAL JOURNAL OF RESEARCH IN ADVANCED TECHNOLOGY	2016	GOOGLE SCHOLAR

5	P. SETUSUNDARAM N. PRASANNA M. VIJAYAKUMAR	SELECTION OF LOW-COST SENSIBLE HEAT STORAGE MATERIAL FOR DOMESTIC SWH STORAGE TANK	JOURNAL OF ADVANCES IN CHEMISTRY	2016	GOOGLE SCHOLAR
6	K. MURUGA BHOOPATHY T. KARTHIKEYAN	ERGONOMICALLY DESIGNED AND FABRICATED INDUSTRIAL TROLLY FOR CRANE TONG JAW BIT CHANGING	ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES (ANNA UNIVERSITY UPDATED LIST)	2016	GOOGLE SCHOLAR
7	S. RAJKUMAR V. BALA SUBRAMANIAN M. BALAKRISHNAN	FRICITION SURFACING FOR ENHANCED SURFACE PROTECTION OF MARINE ENGINEERING COMPONENTS; EROSION - CORROSION STUDY	JOURNAL OF THE MECHANICAL BEHAVIOUR OF MATERIALS	2016	SCIE
8	P. VIJAYKUMAR R. M. SANJAY PRASANNA M. SACHIN MANJUREKAR	REVIEW ON ENHANCING THE PERFORMANCE OF AN EVACUATED TUBE IN SOLAR COLLECTOR USING HEAT PIPES	INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH & DEVELOPMENT	2016	GOOGLE SCHOLAR
9	P. VIJAYKUMAR V. T. RAJKUMAR P. RAMKUMAR	STUDY OF HEAT PIPES IN SOLAR COLECTORS USING NANO FLUIDS	IJSRST	2016	GOOGLE SCHOLAR
10	M. MANOJKUMAR R. SHANMUGA PRAKASH	WEAR CHARACTERSTICS OF HYBRID AI 6063 MATRIX COMPOSITE REINFORCED WITH GRAPHITE AND FLY ASH PARTICULATES	APPLIED MECHANICS AND MATERIALS	2016	SCOPUS
11	R. MEGAVARNAN G. RAJAMURUGAN R. SHANMUGA PRAKASH	COMPARATIVE STUDY ON MECHANICAL PROPERTIES OF MILDSTEEL PLATE BASED ON GRAIN FLOW DIRECTION	APPLIED MECHANICS AND MATERIALS	2016	SCOPUS

12	S. NANDHAKUMAR R. VIJAYAKUMAR S. PADMAVATHY N. NAGA SUNDARAM	OPTIMAIZATION OF CUTTING PARAMETERS DURING TURNING OF AISI - 310 USING RESPONSE SURFACE METHODOLOGY	APPLIED MECHANICS AND MATERIALS	2016	SCOPUS
13	S. ASHISH LEO A. GERALD R. SHANMUGA PRAKASH	COMPARISON OF TRADITIONAL HAZOP AND WHIPP	APPLIED MECHANICS AND MATERIALS	2016	SCOPUS
14	M. KARTHE M. TAMILARASAN S. C. PRASANNA A. MANIKANDAN	EXPERIMENTAL INVESTIGATION OF NOX EMISSION USING ZEOLITE COATED CONVERTER IN CI ENGINE	APPLIED MECHANICS AND MATERIALS	2016	SCOPUS
15	M. KALIDASS R. MAHAVIGNESH R. ARUN S. SEKAR	DESIGN AND FABRICATION OF WATER BOTTLE WRAPPER REMOVER MACHINE	APPLIED MECHANICS AND MATERIALS	2016	SCOPUS
16	B. SIVARAMAN S. PADMAVATHY P. JOTHIPRAKASH T. KEERTHIVASAN	MULTI RESPONSE OPTIMIZATION OF CUTTING PARAMETERS OF WIRE EDM IN TITANIUM USING RESPONSE SURFACE METHODOLOGY	APPLIED MECHANICS AND MATERIALS	2016	SCOPUS
17	S. C. PRASANNA C. RAMESH R. MANIVEL A. MANIKANDAN	PREPARATION OF AI6061-SIC WITH NEEM LEAF ASH IN AMMC'S BY USING STIR CASTING METHOD AND EVALUATION OF MECHANICAL, WEAR PROPERTIES AND INVESTIGATION ON MICRO STRUCTURES	APPLIED MECHANICS AND MATERIALS	2016	SCOPUS

18	K. C. KEERTHIVASAN S. NANDHAKUMAR	FABRICATION AND TESTING OF DOWNDRAFT GASIFIER FOR SOLID BIOMASS	APPLIED MECHANICS AND MATERIALS	2016	SCOPUS
19	C. RAMESH J. KUMAR S. C. PRASANNA	GAMMA PROBABILITY NEURAL NETWORK MODELS TO TRACK OPTIMAL THERMAL AND ELECTRICAL POWER IN SOLAR PVT SYSTEMS	JOURNAL OF ADVANCES IN CHEMISTRY	2016	GOOGLE SCHOLAR
20	C. RAMESH R. SIVAKUMAR M. PREMALATHA M. VIVEKANANDAN C. MANICKAM	EXPERIMENTAL STUDIES ON THE PERFORMANCE OF A LARGE-SCALE SOLAR GREENHOUSE DRYER FOR BANANA IN INDIA - A CASE STUDY	JOURNAL OF ADVANCES IN CHEMISTRY	2016	GOOGLE SCHOLAR
21	P. VANITHA S. KUPPUSAMY C. RAMESH	ANALYSIS OF HURDLES AND STRESS OF SCHOOL TEACHERS AMONG EMPLOYED COUPLES	ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES (ANNA UNIVERSITY UPDATED LIST)	2016	GOOGLE SCHOLAR
22	M. KARTHE S. C. PRASANNA	PERFORMANCE OF AL-SI-GLASS FIBER COMPOSITE PISTON IN AN IC ENGINE	JOURNAL OF ADVANCES IN CHEMISTRY	2016	GOOGLE SCHOLAR
23	C. RAMESH S. C. PRASANNA	EXPERIMENTAL INVESTIGATION ON SURFACE CHARACTERIZATION OF CHEMICAL TREATED NATURAL FIBER COMPOSITE	JOURNAL OF ADVANCES IN CHEMISTRY	2016	GOOGLE SCHOLAR
24	M. BALAKRISHNAN V. BALA SUBRAMANIAN M. A. MUTHU MANICKAM	EVALUATION OF ZERO AND SUB-ZERO TEMPERATURE TENSILE AND IMPACT PROPERTIES OF QUENCHED AND TEMPERED STEEL WELDMENTS	JOURNAL OF IRON AND STEEL RESEARCH (SCIENCE DIRECT)	2016	SCIE

25	P. VANITHA C. RAMESH DR. S. KUPPUSAMY	ROLE CONFLICT AND STRESS FACED BY EMPLOYED COUPLES	ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES (ANNA UNIVERSITY UPDATED LIST)	2016	GOOGLE SCHOLAR
26	S. C. PRASANNA	INVESTIGATION OF CHEMICAL AND MICROSTRUCTURE PROPERTIES OF NATURAL FIBER COMPOSITE	INDIAN JOURNAL OF NATURAL SCIENCE	2016	WOS
27	S. C. PRASANNA R. SIVAKUMAR R. MANIVEL M. KARTHE	CHARACTERIZATIO N OF NATURAL FIBER COMPOSITE FROM THE AGRO- WASTE OF <i>LAGENARIA SICERARIA</i>	INDIAN JOURNAL OF NATURAL SCIENCE	2016	WOS
28	C. RAMESH DR. C MANICKAM S. C. PRASANNA	LEAN SIX SIGMA APPROACH TO IMPROVE OVERALL EQUIPMENT EFFECTIVENESS PERFORMANCE: A CASE STUDY IN THE INDIAN SMALL MANUFACTURING FIRM	ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES (ANNA UNIVERSITY UPDATED LIST)	2016	GOOGLE SCHOLAR
29	M.BALAKRISHNAN V. BALA SUBRAMANIAN	TENSILE PROPERTIES OF FRICTION WELDED AISI 4340 JOINTS	MECHANICAL TESTING/ PRODUCTION - ORIENTED TESTING	2017	SCIE
30	S. SATHISHKUMAR M. KARTHE R. SHANMUGA PRAKASH S. SAKTHIVELU	DRY CONDITION TURNING OF ALN- TIC TOOL INSERTS CONTRIVED FROM ELECTRIC DISCHARGE PLASMA ACTIVATED SINTERING	INTERNATIONAL JOURNAL OF SCIENTIFIC ENGINEERING AND APPLIED SCIENCE (IJSEAS)	2017	GOOGLE SCHOLAR
31	P. VIJAYAKUMAR S. SATHISH KUMAR S. SAKTHIVELU R. SHANMUGA PRAKASH	COMPARISON OF EVACUATED TUBE AND FLAT PLATE SOLAR COLLECTOR – A REVIEW	WORLD WIDE JOURNAL OF MULTIDISCIPLINARY RESEARCH AND DEVELOPMENT	2017	GOOGLE SCHOLAR
32	M. KARTHE A. MANIVANNAN S.C. PRASANNA R. MANIVEL	INVESTIGATIONS ON THE EMISSION ENGINE BLENDE WITH N-BUTANOL	WORLD WIDE JOURNAL OF MULTIDISCIPLINARY RESEARCH AND DEVELOPMENT	2017	GOOGLE SCHOLAR

33	K.C. KEERTHIVASAN R. SHANMUGA PRAKASH S. SAKTHIVELU S. SATHISH KUMAR	EXTRACTION OF BIO-DIESEL FROM MAHUA OIL BY USING TRANS- ESTERIFICATION PROCESS AND BLENDED WITH DIESEL	WORLD WIDE JOURNAL OF MULTIDISCIPLINARY RESEARCH AND DEVELOPMENT	2017	GOOGLE SCHOLAR
34	M. KARTHE	EXPERIMENTAL INVESTIGATIONS ON THE PERFORMANCE CHARACTERISTIC OF DIESEL ENGINE USING N- BUTYL ALCOHOLS	INTERNATIONAL JOURNAL OF LATEST ENGINEERING RESEARCH AND APPLICATIONS (IJLERA)	2017	GOOGLE SCHOLAR
35	S. SAKTHIVELU R. SHANMUGA PRAKASH	INVESTIGATING THE EFFECT OF MACHINING PARAMETERS IN CNC TURNING USING DOE TECHNIQUE	INTERNATIONAL JOURNAL OF LATEST ENGINEERING RESEARCH AND APPLICATIONS (IJLERA)	2017	GOOGLE SCHOLAR
36	N. PRASANNA R. SHANMUGA PRAKASH M. VIJAYAKUMAR	COMPARATIVE ANALYSIS OF VARIOUS CFBC CYCLONE SEPARATOR REPDS PROFILES	INTERNATIONAL JOURNAL VEHICLE STRUCTURES & SYSTEMS	2017	SCOPUS
37	A. RATHINAM T. KARTHIKEYAN K. RAMANI	ELECTRIC VEHICLE BY USING MODIFIED TOPOLOGY OF MULTILEVEL INVERTER	INTERNATIONAL JOURNAL VEHICLE STRUCTURES & SYSTEMS	2017	SCOPUS
38	R. BALAMURUGAN B. SIVARAMAN N. PARTHIPAN R. KIRUBAGHARAN	FAILURE MODE AND EFFECT ANALYSIS IN ENGINEERING EDUCATIONAL SECTOR	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
39	K. CRISTAL C. MANICKAM N. PARTHIPAN S. JAYABAL	EXPERIMENTAL AND NUMERICAL SIMULATION OF TENSILE AND FLEXURAL BEHAVIORS OF BIO PARTICULATE COIR-POLYESTER COMPOSITES	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR

40	T. ANANDARAJ S. NISHANTH S. SAKTHIVELU K. SENTHILRAJ	WORK-RELATED MUSCULOSKELETAL DISORDERS AMONG HAMMERING WORKERS	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
41	P. JOTHIPRAKASH K. RAJU B. SIVARAMAN	DESIGN AND ANALYSIS OF EICHER 20.16 CHASSIS USING ANSYS 12.0	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
42	K. RAJU B. SIVARAMAN P. JOTHIPRAKASH	A STUDY ON EMPLOYEES OPINION TOWARDS EMPLOYEE ENGAGEMENT	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
43	A. MANIKANDAN C. GOKULKUMAR N. PARTHIPAN	EFFECT OF HARDNESS AND TENSILE PROPERTIES OF AL6061 BASED COMPOSITES FOR PISTON ALLOY USING STIR CASTING METHOD	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
44	N. PARTHIPAN M. ILANG KUMARAN S. NANDHA KUMAR K. CHRISTAL	ECO FRIENDLY DRILLING PROCESS IN AISI SS317 MATERIAL	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
45	RAJU KANDASAMY BALAKRISHNAN MARIMUTHU	STUDY AND DEVELOPMENT OF A MINIATURE MODEL OF AN ECO-FRIENDLY GROUND SOURCE COOLING SYSTEM	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
46	T. ANANDARAJ G. MAHANANDHA S. NISHANTH K. SENTHILRAJ	CORROSION STUDY ON FSW AND GTAW WELDED JOINTS OF AA7175- T6	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
47	K. CHRISTAL G. SATHYAMORTHY S. NANDHAKUMAR S. JAYABAL	THERMAL BEHAVIOURS OF BIO PARTICLES IMPREGNATED COIR-POLYESTER COMPOSITES	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR

48	T. NITHYANANDAM M. KARTHE	PERFORMANCE INVESTIGATION ON DIESEL ENGINE FUELLED WITH RENDERED CHICKEN OIL AS BIO DIESEL	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
49	G. MAHANANDHA S. NISHANTH P. JOTHIPRAKASH	OPTIMIZATION OF CLAMPING FORCE IN END MILLING FIXTURE USING SFLA ALOGORITHM	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
50	R. BALAMURUGAN R. VIJAYAKUMAR M.KARTHE S. PADMAVATHY	EXPERIMENTAL INVESTIGATION ON IMAGING SYSTEM TO DETERMINE THE FACTORS AFFECTING THE IMAGE QUALITY	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
51	M. SELWIN S.G. ARUL SELVAN B. SIVARAMAN	DYNAMIC BEHAVIOR STUDY OF 2R AND 3R SCARA ROBOT MANIPULATOR FOR PICK AND PLACE APPLICATION	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
52	G.S ATHYA MORTHY K. CHRISTAL P. VIJAYAKUMAR D. VIGNESH	REVIEW & DESIGN OF AUTOMATIC BELT TENSIONING MECHANISM	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
53	S. PADMAVATHY, G. SHARMILA DEVI, T. KEERTHIVASAN, R. BALAMURUGAN	MICROSTRUCTURE ANALYSIS AND MECHANICAL BEHAVIORS OF AL6063 REINFORCED WITH B4C AND RED SOIL METAL MATRIX COMPOSITE	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
54	V. KESAVAN S. SAKTHIVELU M. MEIGNANA MOORTHY	MICROSTRUCTURE ASSESMENT OF AA7050-ZRSIO4 COMPOSITES SYNTHESIZED BY STIR CASTING ROUTE	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR

55	M. LOGANATHAN S.C. PRASANNA	INVESTIGATION OF MECHANICAL PROPERTIES OF AL6061- GRAPHITE PARTICULATE COMPOSITES BY USING STIR CASTING METHOD	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES	2017	GOOGLE SCHOLAR
56	S. DHANABALAN R.R. KARTHI K. SIVAKUMAR C. SATHIYA NARAYANAN	OPTIMIZATION OF ROTARY EDM PROCESS PARAMETERS FOR INCONEL 718 USING ARTIFICIAL NEURAL NETWORK	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
57	P. BASKARAN	EMISSION STUDY ON SI ENGINE FUELLED WITH PETROL AND ISO-BUTANOL BLENDS	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
58	K. CHRISTAL S. PADMAVATHY G. SHARMILA DEVI S. JAYABAL	QUADRATIC-CONJUGATE-GLOBAL CRITERION FOR OPTIMIZATION OF MECHANICAL BEHAVIORS OF BIO PARTICULATED COIR-POLYESTER COMPOSITES	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
59	S. NANDHAKUMAR B. SIVARAMAN K. CHRISTAL	OPTIMIZATION OF WED MACHINING PARAMETERS DURING MACHINING OF ALSIC USING RSM	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
60	K. PALANISAMY P.C. MUKESH KUMAR	EXPERIMENTAL STUDY ON HEAT TRANSFER AUGMENTATION IN HELICALLY COILED TUBE SOLAR COLLECTOR WITH MWCNT / WATER NANOFLUID	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
61	R.R. KARTHI S. DHANABALAN. R. JEEVA A. MANIKANDAN	AN INVESTIGATION ON MICRO ROBOT FOR MEDICAL APPLICATIONS	PAK. J. BIOTECHNOLOGY	2017	SCOPUS

62	MANICKAM.C, CHRISTAL.K, PRASANNA S.C	INFLUENCE OF PARTICLE SIZE ON THE THERMAL CONDUCTIVITY OF GRAPHENE COMPOSITES	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
63	G. SHARMILA DEVI S. PADAMVATHY K. CHRISTAL T. KEERTHIVASAN	ANALYSIS OF HEAVY VEHICLE CHASSIS USING E- GLASS COMPOSITE MATERIAL	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
64	R. VELAVAN S. NANDHAKUMAR P. VIJAYAKUMAR	EXPERIMENT IN EDM PROCESS BY USING BRASS ELECTRODE WITH INCONEL MATERIAL IN NANO	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
65	L. EMMANUAL L. RAGUNATH	STUDY OF TRIBOLOGICAL PROPERTIES OF RAPESEED OIL AND CANOLA OIL	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
66	S. NISHANTH P. PRAVEEN L. RAGUNATH	MACHINING FIXTURE LAYOUT OPTIMIZATION USING HYBRID KRILL HERD ALGORITHM	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
67	R. KIRUBAGHARAN R. VIJAYAKUMAR	SCHEDULING USING PETRINET TO INCREASE UTILISATION OF RESOURCE IN FLEXIBLE MANUFACTURING SYSTEM	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
68	C.VIGNESH S.C. PRASANNA	MECHANICAL BEHAVIOUR OF HYBRID METAL MATRIX COMPOSITE WITH AL6063/ B4C/RIVER SAND	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
69	R. VIJAYAKUMAR, R. KIRUBAHARAN	MECHANICAL BEHAVIOUR OF METAL MATRIX COMPOSITE WITH AL6063/ B4C/RIVER SAND	PAK. J. BIOTECHNOLOGY	2017	SCOPUS

70	M.SELWIN S.G. ARUL SELVAN B. SIVARAMAN	CRONBACH ALPHA VALIDATION AND CORRELATION ANALYSIS OF WORK PRACTICES MEDIATION MODEL	PAK. J. BIOTECHNOLOGY	2017	SCOPUS
71	P.C. MUKESH KUMAR M.VIJAYAKUMAR	EFFECT OF POST COMBUSTION TREATMENT ON DIESEL ENGINE EXHAUST GAS EMISSIONS	PAK. J. BIOTECHNOLOGY	2017	SCOPUS

Google Scholar	38
SCIE	3
Scopus	28
WOS	2
Total	71