

M.KUMARASAMY COLLEGE OF ENGINEERING (AUTONOMOUS), KARUR

FACULTY JOURNAL PUBLICATION DETAILS -2017-2018

Dept Name: Electrical and Electronics Engineering

S.NO.	NAME OF THE AUTHOR	NAME OF THE Co-AUTHORS	TITLE OF THE PAPER	NAME OF THE JOURNAL	ISSN NO.	VOL. NO	ISSUE NO	PAGES No	MONTH & YEAR OF PUBLICATION	JOURNAL under SCOPUS / SCI/ Web of science/ICI/MKCE journal
1	A.Saranya	N.Selvam	Improving Transmission Line Loadability limits using IPFC	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	3	677-687	2018	ICI
2	N.Selvam	R.Saranya	Analysis of Decision tree Algorithm in Machine Learning	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	3	281-286	2018	ICI
3	R.Saranya	N.Selvam	Design of Cascaded H6 Inverter with leakage current elimination for transformerless PV System	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	3	324-329	2018	ICI
4	M.Lincy Luciana	R.Senthil Kumar	Performance analysis of open loop and closed loop control in BLDC Drives for Electrical Vehicle Applications	International journal of computer science and engineering	2347-2693	6	4	231-235	April & 2018	ICI, UGC
5	T. Gowtham Raj*,	S.Dinesh kumar	Total harmonic distortion in three phase-Thirteen level voltage source inverter with mppt tracker and sepic converter for solar pv array"	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	3	304-312	2018	ICI
6	B.Rajesh kumar,	S.Baranitharan, S.Dinesh , P.Gowtham, S.Balaji	Energy Auditing on campus Outdoor and Energy Monitoring Using IOT	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	2	2130-2135	2018	ICI
7	V.Jayakumar,	GN.Sachin Amreiss	Three Phase Inverter Design For Renewable Energy Source Based On SVPWM Technique	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	3	110-117	2018	ICI
8	V.Jayakumar,	PL.Somasundaram	Implementation Of Single Phase Improved Inverter For PV Source	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	3	118-126	2018	ICI
9	A.Karthi ,	Deepak Naagaraj Balakumar, Deva.L. , Bharathi.S	Iot based humidity, temperature monitoring and data logging in textile industries"	International journal of pure and applied mathematics	1314-3395	118	20	2231-2238	2018	Scopus
10	Lincy Luciana.M,	Senthil Kumar.R, Sarasvathy.K	Investigation of intelligent controller evaluation for harmonicsmitigation"	International journal of pure and applied mathematics	1314-3395	118	20	2253-2266	2018	Scopus
11	M.Jeyapriya,	R.Indhumathi	Performance of buck boost converter with z-source inverter using six switches	International journal of pure and applied mathematics	1314-3395	118	20	2209-2219	2018	Scopus
12	AL. Chockalingam	, M. Jeyapriya	Voltage stability analysis in smart grid	International journal of pure and applied mathematics	1314-3395	118	20	2083-2096	2018	Scopus
13	Senthil Kumar.R	I.Gerald Christopher Raj, M.Lincy Luciana	Comparative analysis of pi and neural based speed controller for three phase induction motor drive"	International journal of pure and applied mathematics	1314-3395	118	20	2449-2461	2018	Scopus
14	P.Maniraj,	M.Yuvaraj	Transient stability analysis for 6 bus system using e-tap"	International journal of pure and applied mathematics	1314-3395	118	20	2277-2285	2018	Scopus
15	P.Maniraj,	M.Yuvaraj	Regulation of dc interface between microsources using advanced dc/dc converter"	International journal of pure and applied mathematics	1314-3395	118	20	2267-2275	2018	Scopus
16	B.Rajesh Kumar,	P.Maniraj, K.Sundararaju	Over heating identification in a electrical equipment using temperature sensors with iot technologies"	International journal of pure and applied mathematics	1314-3395	118	20	2327-2334	2018	Scopus
17	PL.Somasundaram ,	V.Jayakumar , K.Sundararaju	Framework for computation of transmission pricing by marginal cost method in deregulated power market	International journal of pure and applied mathematics	1314-3395	118	20	2319-2326	2018	Scopus

18	S.Dineshkumar	R.Vengatesh, K.Subiramani, P.Thangamani, M.Rajeshwaran	Effectiveness and utilization of energy is compute by auditing system using iot device in college demesne"	International journal of pure and applied mathematics	1314-3395	118	20	2115-2125	2018	Scopus
19	S. Dineshkumar*,	GN. Sachin Amresis	Design of shunt active filter to improve power quality for three phase induction motor"	International journal of pure and applied mathematics	1314-3395	118	20	2105-2114	2018	Scopus
20	PL. Somasundaram ,	V.Jayakumar, K.Sundararaju	Congestion management using svc under deregulated power system"	International journal of pure and applied mathematics	1314-3395	118	20	2307--2317	2018	Scopus

21	K. Sundararaju*, S.	Banumathi, S. Saranya, R. Sowmiya, S. Susithra, P. Yuvarani	Smart power management in microgrid	International journal of pure and applied mathematics	1314-3395	118	20	2239-2246	2018	Scopus
22	S. Banumathi,	V. Indra Gandhi	Performance analysis of sepic converter with auxiliary l-c circuit for submersible pumps in farm fields"	International journal of pure and applied mathematics	1314-3395	118	20	2075-2081	2018	Scopus
23	S. Banumathi*,	K. Sundararaju	Partial discharge modelling of high voltage xlpe cable"	International journal of pure and applied mathematics	1314-3395	118	20	2065-2074	2018	Scopus
24	T. Gowtham Raj*,	S.K Saranya, K. Divya,	Performance analysis of bldc motor using interleaved boost converter & incremental conductance method cum solar pv array"	International journal of pure and applied mathematics	1314-3395	118	20	2137-2146	2018	Scopus
25	S.K Saranya ,	K.Divya, T.Gowtham raj	Total harmonic distortion in three phase-nine level voltage source inverter with mppt tracker and sepic converter for solar pv array"	International journal of pure and applied mathematics	1314-3395	118	20	2383-2392	2018	Scopus
26	K. Divya	T.Gowtham Raj, S.K. Saranya, S. Amuthameena	Comparative analysis of l-z source inverter and voltage source inverter for distributed generation system"	International journal of pure and applied mathematics	1314-3395	118	20	2127-2135	2018	Scopus
27	M.Ramesh,	K.Sarasvathi	Performance analysis of cascaded multilevel inverter with pi and neural techniques for agricultural purpose"	International journal of pure and applied mathematics	1314-3395	118	20	2393-2401	2018	Scopus
28	V.Jayakumar,	GN. Sachin Amreiss	Svpwm based three phase inverter for distribution generation using renewable energy source"	International journal of pure and applied mathematics	1314-3395	118	20	2335-2346	2018	Scopus
29	V. Jayakumar,	R. Kaviya, PL. Somasundaram	Grid connected single phase improved inverter using renewable energy source"	International journal of pure and applied mathematics	1314-3395	118	20	2183-2197	2018	Scopus
30	V.Jayakumar,	M. Ramesh, R.Karthikeyan	Modified high speed minimum power cam by parity bit and power-gated ml sensing	International journal of pure and applied mathematics	1314-3395	118	20	2199-2207	2018	Scopus
31	V.Jayakumar,	PL.Somasundaram, R.Karthikeyan	Contingency analysis in open access transmission system	International journal of pure and applied mathematics	1314-3395	118	20	2173-2182	2018	Scopus
32	GN.SachinAmreiss	S.Dinesh kumar	Eleven level inverter fed dvrf for integration of distributed energy system with grid"	International journal of pure and applied mathematics	1314-3395	118	20	2365-2374	2018	Scopus
33	K. Sundararaju,	M. Hariprabhu*	Implementation of intelligent grid-interfaced pv with dc-dc boost converter topology for agricultural water pumping system"	International journal of pure and applied mathematics	1314-3395	118	20	2147-2159	2018	Scopus
34	M.Hariprabhu,	K. Sundararaju, K.Arnold Wilson	Analysis of using exhaust flue gas for power generation in thermal power plant	International journal of pure and applied mathematics	1314-3395	118	20	2161-2171	2018	Scopus
35	SelvamNallathambi,	A.L.Chockalingam	Decision tree model for predicting the electricity consumption of home"	International journal of pure and applied mathematics	1314-3395	118	20	2437-2448	2018	Scopus
36	N. Selvam ,	M. Yuvaraj	Development of agriculture based on decision tree algorithm	International journal of pure and applied mathematics	1314-3395	118	20	2427-2435	2018	Scopus
37	G.N.Sachinamreiss,	R.Sreenivasan A.Saranya	Implementation of interleaved boost converter fed agricultural pumping system using pv source"	International journal of pure and applied mathematics	1314-3395	118	20	2375-2382	2018	Scopus
38	R.Sreenivasan,	G.N.Sachin amreiss, A. Saranya	Improving voltage stability of power system using facts device by using pso technique	International journal of pure and applied mathematics	1314-3395	118	20	2463-2472	2018	Scopus
39	P. Alageswari	P. Santhoshini	Design of QPSO based cuk converter for pv based inverter system for agricultural electric vehicle	International journal of pure and applied mathematics	1314 -3395	118	20	2027-2035	2018	Scopus
40	S.Sathiya,	K.Sundararaju, N.Thenmozhi	Optimization techniques for energy management systems for smart grid with renewable sources"	International journal of pure and applied mathematics	1314-3395	118	20	2417-2425	2018	Scopus
41	S. Sathiya	K.Sundararaju , A. Rajkumar	Capacitor situation in distribution systems for real/reactive power problems"	International journal of pure and applied mathematics	1314-3395	118	20	2403-2415	2018	Scopus

42	S.Rajesh Kumar	S.Ramesh kumar, V.Sathish, S.Sathiyam, P.Santhoshini	Modular Zigzag Converter Based Power Quality Improved SMPS for Arc Welding	Global Research and Development journal for engineering	2455-5703	**	**	116-123	2018	Google scholar
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43	Ms.P.Alageswari,	J.Manimegalai, V.Muniyalakshmi , S.Nandhini A.Nivedha	Grid Connected House hold Applications based on Bidirectional Dc-AC Converter	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	2	2847-2857	2018	ICI
44	K.Selvamoorthy,	R.Tharun, M.Sridhar, R.Ajith,Ms.M.Jeyapriya	Single stage single phase Reconfigurable Inverter Topology For Solar And Wind Powered Hybrid System	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	2	2293-2297	2018	ICI
45	Mr.R.Senthilkumar,	Mr.B.Rajesh Kumar, Ms.M.Lincy Luciana	Fault Detection for Three Phase Induction motor Drives Using Fuzzy Logic	International journal of pure and applied mathematics	1314-3395	118	20	2071-2078	2018	SCOPUS
46	Mr.N.Selvam,	A.Kaniga, K.Karthiga, M.Malini, K.Ponmani	Improvement Of Power Quality Applying Shunt Hybrid Active Power Filter	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	2	2169-2175	2018	ICI
47	Ms.K.Divya,	N.Parameshwari,K.Logeswari, M.Pandikeerthana, L.Naveena	Power Utilisation Calculation And Energy Audit	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	2	1079-1084	2018	ICI
48	Ms.K.Divya,	M.Aarathi, J.Fousiya Sirin, R.Haritha, J.Ishwarya	Remote Monitoring ,Dust Detecting And Controlling Of Solar Photovoltaic Using IOT	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	2	1894-1898	2018	ICI
49	Mr.G.N.Sachin Amreiss,	TK.kiithika, S.Nandhini, R.Pavithra	Implementation of IOT based Control room Environment for industrial Applications	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	2	1842-1846	2018	ICI
50	S.Kalaivanan	M.Muthu kumar, M.Mathan Mr.G.N.Sachin Amreiss	Aautomatic power supply control	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	2	1783-1789	2018	ICI
51	PL.Somasundaram,	GN.Sachin Amreiss	Renewable Energy Based Load Management In Micri grid	International Journal of Advance Research and Innovative Ideas in Education	2395-4396	4	2	4356-4363	2018	ICI
52	Mr.M.Hariprabhu	Dr.K.Sundraraju	Sophisticated fuzzy rule set based MPPT technique for grid connected photovoltaic power plant with DC-DC boost converter	Journal of advanced research in dynamic and control systems	-	9	sp-18	2612-2636	2017	SCOPUS
53	Ms.N.Niveditha	Mr.Venkatesan,Ms.P.Santhosh ini	DC motor modelling based on MATLAB SIMSCAPE language	International journal of pure and applied mathematics	1314-3395	117	16	35-40	2017	SCOPUS
54	Ms.S.Kiruthika,	R.Senthilkumar, Dr.K.Sundraraju,	Analysis of single stage high frequency resonant AC/AC converter using artificial networks	International journal of pure and applied mathematics	1311-8080	117	8	161-165	2017	SCOPUS
55	Mr.R.Senthilkumar,	Ms.S.Kiruthika	Performance analysis of open loop and closed loop control of high frequency single stage resonant AC/AC converter	International journal of emerging trends in science and technology	2349-7866	3	2	13-19	2017	NIL
56	Dr.K.Sundraraju,	Mr.R.Senthilkumar, Mr.I.Gerald	Modeling and simulation of neural based speed controller for direct torque control of 3phase IM	IEEE-xplore Digital libraryTENCON 2017	**	**	**	**	2017	SCOPUS (IEEE)
57	Ms.K.Sarasvathi,	Ms.M.Lincy luciana, Mr.R.Senthilkumar	Comparision of sine,hysteresis,SVPWM and pritive PWM techniques for shunt active filter	IEEE-xplore Digital library	**	**	**	**	2017	SCOPUS (IEEE)
58	Ms.K.Divya,	Mr.T.Gowtham raj, Mr.P.Maniraj	Reduction of harmonics in distributed power system using L-Z source inveretr	IEEE-xplore Digital library	**	**	**	**	2017	SCOPUS (IEEE)
59	Mr.T.Gowtham raj,	Mr.B.Rajesh kumar	Design of sepic converter for BLDC motor from photovoltaic cell	IEEE-xplore Digital library	**	**	**	**	2017	SCOPUS (IEEE)
60	Dr.S.Banumathi		Enhancement of transient stability using wide area controlled SVC's	IEEE-xplore Digital library	**	**	**	**	2017	SCOPUS (IEEE)
61	Mr.PL.Somasundaram		Computation of congestion cost in deregulated power market	IEEE-xplore Digital library	**	**	**	**	2017	SCOPUS (IEEE)
62	Ms.S Punitha,	Dr.K Sundraraju	Voltage stability improvement in power system using optimal power flow with constarints	IEEE-xplore Digital library	**	**	**	**	2017	SCOPUS (IEEE)
63	Ms.A.Saranya,	Mr.S.Dinesh Kumar	Improving voltage stability of power system using facts device	IEEE-xplore Digital library	**	**	**	**	2017	SCOPUS (IEEE)

64	Ms.M.Nivedha,	Mr.P.Mani raj	Novel current control technique for synchronous current converter in weak grids/micro grids using lyapunov stability	IEEE-xplore Digital library	**	**	**	**	2017	SCOPUS (IEEE)
65	Mr.R.Sreenivasan		Analysis of power system stability using fuzzy-PID based STATCOM - controller	IEEE-xplore Digital library	**	**	**	**	2017	SCOPUS (IEEE)

66	Mr.B.Balraj	Mrs.S.Kiruthika	Design of 4*4 wallace tree multiplier based on 0.12µm CMOS technology using GDI full adder	International journal of pure and applied mathematics	1314-3395	119	special	3293- 3297	2018	Scopus
67	Mrs.J.Uma	UG students	Design & Analysis of milk pasteurization by using PLC	International journal of pure and applied mathematics	1314-3395	119	special	3329-3337	2018	Scopus
68	Mrs.J.Uma	Mr.T.S.Srinivasan	signal integrity analysis in PCB for high speed digital circuit design	International journal of pure and applied mathematics	1314-3395	119	special	3321-3328	2018	Scopus
69	Mr.B.Balraj	Ms.S.Amuthameena	Implementation and study of conventional surface sliding mode controller for an interacting level system	International journal of pure and applied mathematics	1314-8080	118	special	445-450	2018	Scopus
70	Mr.B.Balraj	***	Biological fabrication of silver nano materials & their applications in pharmaceutical fields	International journal of computational materials science & surface engineering	1753-3465	7	2	79-89	2018	Scopus
71	Mr.B.Balraj	***	dye from aqueous environment by titanium based dimensionally stable anodes with SS electrodes	Applied biological chemistry	2468-0834	***	***	***	Feb-18	SCI-E
72	Mr.B.Balraj	***	Optical,Biological and catalytic properties of ZnO/MgO nano composites derived via Musa paradisiaca bract extract	Ceramic international	0272-8842	***	***	1 to 10	Apr-18	SCI-E
73	Mr.P.Maniraj	Mr.M.Ramesh	UPQC based control strategy for weak islanded grid	International journal of emerging trends in science and technology	2349-7866	3	1		Jun-18	

















**DEPARTMENT OF EEE**  
**ACADEMIC YEAR : 2018-2019**  
**Faculty Publications Details**

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S.N O.	NAME OF THE AUTHOR (S)	TITLE OF THE PAPER	NAME OF THE JOURNAL	ISSN NO.	VOL. NO.	YEAR	PAGE No. (Starting PAGE No. - ENDING PAGE No.)	JOURNAL PUBLISHED IN GOOGLE SCHOLAR / SCOPUS / SCI / SCIE/WoS
1	Kumar.K,Ramji Tiwari,Ramesh Babu.N,Prabhu.K.R	Analysis of MISO Super Lift Negative Output Luo Converter with MPPT for Dc Grid Connected Hybrid PV/Wind System	Energy Procedia	1876-6102	145	2018	345-350	<b>Scopus</b>
2	Ramji Tiwari, Kumar.K, Ramesh Babu.N,Prabhu.K.R	Coordinated MPPT and DPC Strategies for PMSG based grid Connected Wind Energy Conversion System	Energy Procedia	1876-6102	145	2018	339-344	<b>Scopus</b>
3	S.Banumathi,S.Gowtham,R. Manoj,S.Praveen Raj,N.Vigneshwaran	Solar Mutilevel Inverter with MPPT Technique and Harmonic Reduction	International Journal of Emerging Trends in Science and Technology	2349-7866	4(1)	2018	14-17	<b>College Journal</b>
4	Lincy Luciana.M,Senthil Kumar.R	Comparison analysis of Fuzzy Logic and ANFIS Controller for Mitigation of Harmonics	IEEE Xplore.Conference proceedings	***	***	2018	578-583	<b>IEEE</b>
5	Balraj Baskaran& Yuvarajani Periyasamy	Green synthesis and characterization of silver nanomaterials using leaf extract of prosopoc cineraria for antibacterial and anti-cancer applications	Material Research Express	2053-1591		2018	001-008	<b>SCI-E</b>
6	J.Uma et. all.	Diagnosis of Photovoltaic (PV) Panel Defects Based on Testing and Evaluation of Thermal Image	Journal of Testing and Evaluation	0090-3973	47	2018	***	<b>SCI-E</b>

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