

List of Journal Publications Academic Year 2018-19

Sl.No	Name of Faculty	Title	Journal	Indexing	Month	Year	ISSN. No
1.	Raghavaiah Katuri, Srinivasa Rao Gorantla	Simulation and modelling of Math Function Based controller implemented with fuzzy and artificial neural network for a smooth transition between battery and ultra capacitor	Advances in Modelling and Analysis C	Scopus	July	2018	1240-4535
2.	Mopidevi Subba Rao Ch. Sai Babu S. Satyanarayana	Digital Fuzzy current mode controlled integrated PFC converter with external Ramp compensation	Journal of circuits, Systems, and Computers	SCIE	August	2018	1793-6454
3.	K.Mercy Rosalina, M.Uma Maheswara Rao	Modeling of a Micro-grid Connected Hybrid System using Solar, Wind and Fuel cell	Journal Of Advance Research in Dynamical & Control Systems	Scopus	August	2018	1943-023X
4.	A.Naveen Reddy, K.Suresh, Ch. Uma Maheshwar Rao	Reduced Switching Frequency IGBT'S for Control of Multi Level Inverter Fed DTC of Induction Motor	Jour of Adv Research in Dynamical & Control Systems,	Scopus	August	2018	1943-023X
5.	A.srihari Babu, Dr. G. SrinivasaRao	DSPACE Real Time implementation of maximum power point tracking method for photovoltaic system using neural network	Jour of Adv Research in Dynamical & Control Systems,	Scopus	August	2018	1943-023X
6.	V B Thurai Raaj, K Suresh, G Srinivasa Rao,	Effective Wind Power Generation with Storage Systems	Jour of Adv Research in Dynamical & Control Systems,	Scopus	August	2018	1943-023X
7.	K.BalaKrishna. K.SivaKrishna,	Topology transformation method for optimal PMU	Journal Of Advance	Scopus	August	2018	1943-023X

	Dr.K.Mercy Rosalina	placement and full observability criteria	Research in Dynamical & Control Systems		st		
8.	N. Narasimha RaoCh, K.Suresh, Y. Srinivasa Rao, G. Durga Sukumar	Analysis of brushless direct current motor drive system for low power applications	Journal Of Advance Research in Dynamical & Control Systems	Scopus	August	2018	1943-023X
9.	DSNMRAO &Dr.Niranjankumar	Optimal load dispatch solution of power system using enhanced harmony search algorithm	European Journal of Electrical Engineering	Scopus	August	2018	2103-3641
10.	K.SureshA.R.VijayBabu, P.M.Venkatesh,	Experimental investigations on grid integrated wind energy storage system using neuro fuzzy controller	Modelling, Measurement and Control A	Scopus	September	2018	1259-5985
11.	K. Bala Krishna. Dr. K.Mercyrosalina	Complete and Incomplete Observability Analysis by Optimal PMU Placement Techniques of a Network	J Electr Eng Technol.	SCIE	September	2018	ISSN (Print) 1975-0102 ISSN(Online) 2093-7423
12.	DSNMRAO &Dr.Niranjankumar	An enhanced reactive power dispatch with finest location of dg using PSO algorithm	Modelling, Measurement And Control_A	Scopus	September	2018	1259-5985
13.	V B ThuraiRaaj, K Suresh	BDC-based wind energy storage for multimode operating system	Modelling, Measurement and Control A	Scopus	September	2018	1259-5985
14.	RaghavaiahKaturi, SrinivasaraoGorantla	Modelling and analysis of a hybrid controller applied to the ultracapacitor based solar powered electric vehicle	Modelling, Measurement and Control A	Scopus	September	2018	1259-5985
15.	RaghavaiahKaturi, SrinivasaraoGorantla	Analysis of Math function based controller combined with PID for solar-powered	Advances in Modelling and Analysis C	Scopus	September	2018	1240-4535

		electric vehicle					
16.	Polamraju. V. S. Sobhan, G. V. Nagesh Kumar, P. V. RamanaRao	Rotor autocentring and speed control of hybrid bearingless SRM using single-neuron adaptive PID controller	International Journal of Engineering & Technology (IJET)	Scopus	November	2018	2227-524X
17.	Mopidevi Subbarao Ch. SaiBabu S. Satya narayana	fuzzy peak current controlled integrated PFC converter with slope compensatiion	International Journal of Engineering & Technology	Scopus	November	2018	2227-524X
18.	Mopidevi Subbarao Ch. SaiBabu S. Satyanarayana	Fuzzy LPCM controlled buck integrated PFC converter for class C&D appliances	International Journal of Engineering & Technology	Scopus	November	2018	2227-524X
19.	PolamrajuV.S.Sobhan	Linear programming technique based optimal relay coordination in a radial distribution system	International Journal of Engineering & Technology (IJET)	Scopus	November	2018	2227-524X
20.	K.Suresh , A.R.VijayBabu, P.M.Venkatesh	Silicon Based Pentagon Current Control Efficient-Cell Device Memory With Equidistant Sensing	European Journal of Automated Systems	Scopus	November	2018	2116-7087
21.	polamrajuV.S.Sobhan	Rotor Suspension and Stabilization of Bearingless SRM using Sliding Mode Controller	International Journal of Engineering & Technology (IJET)	Scopus	November	2018	2227-524X
22.	polamrajuV.S.Sobhan	Railway Traction System Based on Power Electronic Transformer	International Journal of Engineering & Technology (IJET)	Scopus	November	2018	2227-524X
23.	Ch.UmaMaheshwar Rao, K.Suresh , A. Naveen Reddy	A Novel Approach of Renewable Energy Powered Hybrid Electrical Vehicle Using BLDC Motor	International Journal of Engineering &Technology	Scopus	November	2018	2227-524X

24.	Bharath Kumar Narukullapati, T K Bhattacharya, ANaveenReddy,SrikanthGollapudi	Modelling and simulation of Electromagnetic Fields on a Floating Aluminium	International Journal of Engineering &Technology	Scopus	November	2018	2227-524X
25.	Rachananjali K SrinuNaik R	Design and Implementation of Modular Multilevel Converter for Photovoltaic Energy Generation Using Hill Search Method	International Journal of Engineering &Technology	Scopus	November	2018	2227-524X
26.	Bharath Kumar Narukullapati, T K Bhattacharya, Jhansi Lakshmi P	Analysis of magnetic fields on a levitating coaxial and non-coaxial aluminium disc	International Journal of Engineering &Technology	Scopus	November	2018	2227-524X
27.	Rajesh K. Samala*, Mercy R. Kotapuri	Power loss reduction using distributed generation	Modelling, Measurement and Control A	Scopus	November	2018	1259-5985
28.	Vijay Babu, A.R., Venkatesh, P.M.,Suresh, K.	High frequency link power conversion system for fuel cell applications	International Journal of Engineering & Technology(UAE)	Scopus	November	2018	2227-524X
29.	VeeraBhadra Chary.Gade1*, Mercy Rosalin.Kotapuri2	A Three Phase Matlab Simulink Model of IEEE 57 Bus Power System Network	International Journal of Engineering &Technology	Scopus	November	2018	2227-524X
30.	Mr. Rajesh Kumar Samala1*, Dr. K Mercy Rosalina2	Power Quality Enhancement by Integrating Distributed Generation in Distribution System	International Journal of Engineering & Technology	Scopus	November	2018	2227-524X
31.	Suresh, K., Vijay Babu, A.R., Venkatesh, P.M.	Grid integrated wind energy storage system for linear and non-linear loads	International Journal of Engineering & Technology(UAE)	Scopus	November	2018	2227-524X
32.	Vijay Babu, A.R., Suresh, K., Krishna,	Design and implementation of high	International Journal of	Scopus	November	2018	2227-524X

	P.M., Hussain, S.A.	efficient single phase transformer less inverter for grid connected solar photovoltaic energy system	Engineering & Technology(UAE)				
33.	Venkatesh, P.M., Suresh, K., Vijay Babu, A.R.	Design and modeling of modified savonius highway wind turbine	International Journal of Engineering & Technology(UAE)	Scopus	November	2018	2227-524X
34.	SrihariBabu, Dr. G. SrinivasaRao	MPPT design for photovoltaic Energy system using back stepping control with a Neural compensator	International Journal of Engineering and Technology	Scopus	November	2018	2227-524X
35.	K.Suresh, A.R.VijayBabu, P.M.Venkatesh	Design and Analysis of an Intelligent Controller for Wind-Solar Hybrid Energy Conversion System	Artificial Intelligence Review	Scopus	December	2018	1573-7462
36.	Vijay Babu Rakada Attuluri	Parametric Study of the Proton Exchange Membrane Fuel Cell for Investigation of Enhanced Perform used in Fuel cell vehicles	Alexandria Engineering Journal	SCIE	December	2018	1110-0168
37.	Mopidevi Subbarao	Design and Analysis of Variable Switching Frequency Controlled Integrated switched mode power converter for Class C and Class D Appliances	Ain Shams Engineering Journal	SCIE	December	2018	2090-4479
38.	DSNMRAO &Dr.Niranjankumar	Comparable investigation on TLBO algorithm for power system optimization	European Journal of Electrical Engineering	Scopus	December	2018	2103-3641
39.	RaghavaiahKaturi, SrinivasaraoGorantla	Analysis of math function based controller for a smooth transition between battery and ultracapacitor	Mathematical Modelling of Engineering Problems	Scopus	December	2018	2369-0747

40.	RaghavaiahKaturi, SrinivasaraoGorantl a	Performance analysis of hybrid controller for automatic switching between energy sources of hybrid energy storage system	European Journal of Electrical Engineering	Scopus	December	2018	2103-3641
41.	M.V. Rayudu, V. Nagesh, Dr G SrinivasaRao,	A Practical technique to measure transformer losses in high frequency SMPS	SN Applied Sciences	ESCI	12 th February	2019	2523-3971
42.	Dr G SrinivasaRao, K Raghavaiah	Performance and comparative analysis of math function based controller combined with PID and PI for smooth transition of energy sources	Journal Europeen des SystemesAutomatisees	Scopus	February	2019	2116-7087
43.	Geetha Reddy Evuri, G. SrinivasaRao, T. Ramasubba Reddy, K. SrinivasaReddy	Simulation of Hybrid Electric Energy Storage System (HESS) for Hybrid Electric Vehicle for Power Applications	International Journal of Recent Technology and Engineering (IJRTE)	Scopus	February	2019	2277-3878
44.	Dr G SrinivasaRao, K Raghavaiah	A comparative study of ANN and PI controllers combined with MFB implemented to hybrid energy storage system for smooth switching between battery and ultra capacitor	Journal Europeen des Systemes Automatisees	Scopus	15 th April	2019	2116-7087
45.	A R Vijay Babu	Modeling Simulation and control of fuel cell powered laptop computer voltage regulator module	International Journal of hydrogen energy	SCIE	April	2019	0360-3199
46.	A SrihariBabu, Dr G SrinivasaRao	Comparative analysis of two interleaved DC Boost topologies with constant duty cycle	Journal Of Advanced Research in Dynamical & Control	Scopus	May	2019	1943-023X

			Systems				
47.	A SrihariBabu, Dr G SrinivasaRao	A Novel interleaved soft switching tri state boost converter with low ripple and high voltage gain	Journal Of Advanced Research in Dynamical & Control Systems	Scopus	May	2019	1943-023X
48.	A Naveen Reddy	A Comparative analysis of accurate fault location algorithm by discrete fourier transform (DFT) and least error squares (LES) technique	Journal of Computational Information Systems	UGC	May	2019	1553-9105
49.	Dr G SrinivasaRao, Geetha Reddy	An intelligent Fuzzy controlled based UC / Battery operated Pulg-in hybrid electrical vehicle / E-car	Journal of Advanced Research in Dynamical and Control System	Scopus	June	2019	1943-023X
50.	Dr G SrinivasaRao, K Raghavaiah	Design and simulation of a controller for a hybrid energy storage system based electric vehicle	Mathematical modelling of Engineering Problems	Scopus	20 th June	2019	2369-0747
51.	A R Vijay Babu, Dr G SrinivasaRao	Wind energy storage system by SOC balancing control for standalone wind mill	Majlesi Journal of Electrical Engineering	Scopus	June	2019	2345-377X

List of Conference Presentations (AY 2018-2019)

Sl. No	Name of Faculty	Title	Title of the Conference	Organizing Institution/ University	Year
1.	Dr G Srinivasa Rao	Design of a new controller for switching of energy sources applied to hybrid electric vehicle	2018 International Conference on Recent Trends in Advance Computing (ICRTAC)	VIT Chennai	10 September 2018 – 11 September 2018
2.	Dr.K. Mercy Rosalina	Modelling of a Micro-grid Connected Hybrid System using Solar, Wind and Fuel cell	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
3.	K Suresh	Effective Wind Power Generation with Storage Systems.	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
4.	A. Sriharibabu, Dr. G. SrinivasaRao	DSPACE Real Time implementation of maximum power point tracking method for photovoltaic system using neural network	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
5.	Rachananjali K	Design and Implementation of Modular Multilevel Converter for photovoltaic energy generation using Hill search method	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
6.	Ch.N.NarasimhaRao	Design and analysis of torque ripple reduction in Vector control of Brushless DC motor using PI controller and Fuzzy controller	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
7.	K.Suresh, M.Venkatesan, A.R.Vijay Babu	Design And Implementation Of Energy Storage System For Wind Energy Conversion System Using Bidirectional Converter	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018

8.	A.Sriharibabu	Solar Fed Open End Winding Induction Motor Pump Drive Based On Dual Inverter With Mppt	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
9.	Attuluri.R.VijayBabu, P.M.Venkatesh, K.Suresh	A High Frequency Link Power Conversion System Using Fuel Cells For Next Generation Smart Grid	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
10.	P.M.Venkatesh*, K.Suresh, AttuluriR.VijayBabu	Design, Modelling And Experimental Investigations On Modified Savonius Wind Turbine With Curtain Arrangements In The Middle Of The Highway	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
11.	AttuluriR.VijayBabu, K. Suresh	Design and Implementation of High Efficient Single Phase Transformer less Inverter for Grid Connected Solar Photovoltaic Energy System	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
12.	A. Sriharibabu, Dr. G. SrinivasaRao	MPPT Design for Photo Voltaic Energy System Using Back stepping Control with a Neural Compensator	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
13.	Ch. Uma Maheshwar Rao, K.Suresh, A. Naveen Reddy	A novel approach of renewable energy powered hybrid electrical vehicle using BLDC motor	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
14.	DSNM RAO	Optimal Placement of DG for Optimal Reactive Power Dispatch using PSO Algorithm"	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
15.	A. Naveen Reddy, N.Bharat Kumar, A.Sriharibabu	Numerical Analysis of Electromagnetic fields on a floating aluminum disc	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018

16.	N.Bharath Kumar	Electromagnetic Analysis of Fields and forces on a floating aluminium disc by using machine learning approach	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
17.	M.SUBBA RAO	Railway Traction System Based On Power Electronic Transformer	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
18.	A. Sriharibabu, Dr. G. SrinivasaRao	A Comparative Study of MPPT Controllers for BOOST converter connected PV systems	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
19.	Narasimha Rao Ch., K. Suresh, Y. SrinivasaRao	Analysis of brushless direct current motordrive system for low power applications	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
20.	Narasimha Rao Ch., K. Suresh.	Torque ripple reduction in Brushless DC motor by usingSPWM and SVPWM	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
21.	Dr.K. Mercy Rosalina	Power Quality Enhancement by Integrating Distributed Generation in Distribution System	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
22.	Dr.K. Mercy Rosalina	A Three Phase Matlab Simulink Model of IEEE 57 Bus Power System	Emerging Trends in Power, Energy And Control (ETPEC' 18)	VFSTR	10-11th AUG 2018
23.	K Bala Krishna, Dr.K. Mercy Rosalina	A peerless PMU placement technique to achieve complete perceptibility of a system even when single PMU outage	Second National Power Engineering Research Scholars Conference (NPERSC)	IIT, Madras	24-25th Feb 2019