

VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH
Department of Electrical & Electronics Engineering

LIST OF FACULTY PUBLICATIONS (2013-18)

S. No	Name of Faculty	Title	Journal	Indexing	Year	ISSN. No
2018						
1	Mopidevi Subbarao Ch. Sai Babu S. Satyanarayana	fuzzy peak current controlled integrated PFC converter with slope compensatiion	International Journal of Engineering & Technology	Scopus	2018	2227-524X
2	Mopidevi Subbarao Ch. Sai Babu S. Satyanarayana	Fuzzy LPCM controlled buck integrated PFC converter for class C&D appliances	International Journal of Engineering & Technology	Scopus	2018	2227-524X
3	Dr G.Srinivasa Rao,Siva Nagaraju sirigiri A.R.Vijay Babu	Design and Implementaion of an Ultra Capacitor based motion control in eletic/hybrid electric Vehicle.	Journal Of Electrical Engineering	Scopus	2018	1582-4594
4	K.Rachananjali,K.Bala Krishna,S.Suman,V.Tejasree	Modelling of an ANFIS controller for Series-Parallel hybrid vehicle	Springer	Scopus	2018	2194-5357
5	A.R. Vijay Babu,Ch.Uma Maheswara rao,K.Suresh	Grid Integrated Z-Source Inverter with wind energy conversion system for Harvsting Maximum power	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2018	1943-023X
6	Dr G.Srinivasa Rao,A.R.Vijay Babu,P.Manoj Kumar	Experimental validation of an improved parametric model for an Air breathing fuel cell	JournalOf Advance Research in Dynamical & Control Systems	Scopus	2018	1943-023X
7	A.R. Vijay Babu,K.Suresh,Ch.Uma Maheswara rao,Ch.Saida Reddy	Design and implementaion of high gain power converter for wind energy conversion system	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2018	1943-023X
8	polamraju V.S.Sobhan,G.V.Nagesh Kumar, P.V.Ramana Rao	Design of single neuron Fuzzy PID controller for suspension control of Bearingless SRM	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2018	1943-023X
9	Polamraju. V. S. Sobhan 1*, G. V. Nagesh Kumar 2, P. V. Ramana Rao 3	Rotor autocentering and speed control of hybrid bearingless SRM using single-neuron adaptive PID controller	International Journal of Engineering & Technology	Scopus	2018	2227-524X

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10	G. V. Nagesh Kumar 1*, B. Sravana Kumar 2, B. Venkateswara Rao 3, P. V. S.Sobhan 4, K. Appala Naidu 1	Linear programming technique based optimal relay coordination in a radial distribution system	International Journal of Engineering & Technology	Scopus	2018	2227-524X
11	Polamraju Venkata Subrahmanya Sobhan1 Gundavarapu Venkata Nagesh Kumar2 and Pulipaka Venkata Ramana Rao3	ROTOR LEVITATION AND VIBRATION CONTROL OF HYBRID POLE BSRM USING FUZZY SLIDING MODE CONTROLLER	International Journal of Innovative Computing, Information and Control	E-SCI	2018	1349-4198
12	Polamraju.V.S.Sobhan 1*, G.V. Nagesh Kumar2, P. V. Ramana Rao3	rotor suspension and stabilizationof bearinglessSRM using sliding mode controller	International Journal of Engineering & Technology	Scopus	2018	2227-524X
13	Mopidevi Subbarao Ch. Sai Babu S. Satyanarayana	Digital Fuzzy current mode controlled integrated PFC converter with external Ramp compensation	Journal of circuits, Systems, and Computers	E-SCI	2018	1793-6454
14	K.Bala Krishna.Dr.K.Mercy rosalina	Complete and Incomplete Observability Analysis by Optimal PMU Placement Techniques of a Network	J Electr Eng Technol.	SCI	2018	ISSN(Print) 1975-0102 ISSN(Online) 2093-7423
15	Raghavaiah Katuri1*, G. Srinivasa Rao2	Math function based controller applied to electric/hybrid electric vehicle	Modelling , Measurement and Control	Scopus	2018	1259-5985
16	Raghavaiah Katuri1*, G. Srinivasa Rao2	Design of Math Function Based Controller for Smooth Switching of Hybrid Energy Storage System	Majlesi Journal of Electrical Engineering	Scopus	2018	2345-3796
17	A.Naveen Reddy,2K.Suresh,3Ch. UmaMaheshwarRao	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	2018	1943-023X
18	A.srihari Babu,2Dr. G. Srinivasa Rao	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	2018	1943-023X
19	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	2018	1943-023X
20	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 Svstems	Scopus	2018	1943-023X

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21	K.Bala Krishna.K.siva Krishna,Dr.K.Mercy rosalina	Topology transformation method for optimal PMU placement and full observability criteria	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2018	1943-023X
22	N. NarasimhaRaoCh,K.Suresh,Y. SrinivasaRao,G. DurgaSukumar	Analysis of brushless direct current motor drive system for low power applications	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2018	1943-023X
2017						
1	Mopidevi Subbarao Ch. Sai Babu S. Satyanarayana	DSP based current controlled single stage single phase integrated converter with external compensating signal for Class-C & Class-D appliances	Cogent Engineering, T&F	ESCI & Scopus	2017	2331-1916
2	A.R.VijayBabu Ch. Umamaheswara Rao	Energy Conservation, Green House Gas Emission Reduction and Management Strategies of VFSTR University: A Case Study	Journal Of Advanced Research in Dynamical & Control Systems	Scopus	2017	1943-023X
3	K.Sai Venkata Ratnam Polamraju.V.S.Sobhan	Analysis of Sliding Mode Controller with Classical Reaching Laws based Switched Reluctance Motor.	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
4	Yamavarapu Ganesh, M. Subba Rao Polamraju V.S. Sobhan	A High Gain Bridgeless SEPIC Converter with Multiplier Stage Fed to PMSM Drive Application	Journal Of Advanced Research in Dynamical & Control Systems	Scopus	2017	1943-023X
5	Polamraju.V.S.Sobhan M. Subba Rao M.V. Sudarsan D. Manikanta Swamy	Higher Order Sliding Mode Control of Electromagnetic Suspension System	IJCTA	Scopus	2017	0974-5572
6	A Sri Hari Babu A Naveen Reddy	A Novel Hybrid Wind Solar Power System with Open Winding Permanent Magnetic Machine	IJCTA	Scopus	2017	0974-5572
7	Ch.N.Narasimha Rao Dr G. Durga Sukumar	Design and analysis of solar fed BLDCM with zeta Converter	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
8	Bala Krishna K, Dr K Mercy Rosalina, Dr N Ramaraj	Optimal PMU placement techniques for observabilityAnalysis of a framework	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X

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9	Ch.N.Narasimha Rao Dr G. Durga Sukumar	Designing and Analysis of Solar powered BLDCM with zeta Converter	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
10	Rachananjali K, Dr Srinu Naik R K Suguna	A novel Implementation of Modular Multilevel Converter	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
11	K.Suresh, M.Venkatesan A.R Vijay Babu	Design and implementation of energy storage system by using converters and renewable energy source	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
12	K.Sai Venkata Ratnam Polamraju.V.S.Sobhan	Performance analysis of switched reluctance motor Using sliding mode controller with classical Reaching laws	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
13	Ch. N. Narasimha Rao, K. Bala Krishna, K. Mercy Rosalina	Implementation of Modular Multilevel Converter	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
14	Dr. N. Ramaraj, Ch. N. Narasimha Rao, A. Sri Hari Babu, K. Bala Krishna	Observability Analysis for Optimal PMU Placement in Power Systems	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
15	A.R Vijay Babu, V.Rajyalakshmi K.Suresh,	Renewable energy integrated high gain DC-DC Converter with multilevel inverter for water Pumping applications	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
16	Raghavaiah Katuri, Dr. G. Srinivasa Rao	Design of hybrid energy storage system for an Affordable e-rickshaw application	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
17	Rayudu Mannam, Srinivasa Rao Gorantla, Nagesh Vangala	Soft switching flyback converter adopting fixed Dead time	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X

S. No	Name of Faculty	Title	Journal	Indexing	Year	ISSN. No
18	Polamraju.V.S.Sobhan, G.V. Nagesh Kumar, P. V. Ramana Rao	Levitation control of hybrid pole bearingless Switched reluctance motor using neuro sliding mode Controller	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
19	D. Manikanta Swamy, K. Bala Krishna	Electromagnetic Suspension System controlled by higher order Sliding Mode	IJCTA	Scopus	2017	0974-5572
20	Mr.M. Subbarao, Dr.Ch.Sai Babu Dr.S.Satyanarayana	1-Phase Integrated Buck-Boost PFC Led Driver	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
21	K. Mercy Rosalina, A.R.VijayBabu Ch. Umamaheswara Rao	Open Winding Permanent Magnetic Machine fed with a Novel Wind Solar Power system.	IJCTA	Scopus	2017	0974-5572
22	G. Durga Sukumar, Ch. N. Narasimha Rao, Ch. Uma Maheswara Rao	Renewable Energy Storage System using Converters and Renewable Sources	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
23	Attuluri R. Vijay Babu, Gorantla Srinivasa Rao, Panthalingal Manoj Kumar	Modelling, simulation and analysis of Performance characteristics of an Air breathing fuel cell	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
24	Ch. Umamaheswara Rao, A.R. Vijay Babu, Md.Vaseem Chavhan, Siva Jagadish kumar	Energy Conservation Strategies of A Spinning Mill	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
25	Bala Krishna K, Sandeep M, Naveen Reddy A, Sk Riyaz	Voltage control of multiple feeders and fixing Maximum load on a feeder by changing load on other Feeders using voltage regulator and instant DG	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
26	Ch. Uma Maheswara Rao, K. Rachananjali	Bridgeless SEPIC converter with Multiplier Stage fed PMSM Drive.	Journal Of Advanced Research in Dynamical & Control Systems	Scopus	2017	1943-023X
27	P. Satya Prakash, Srikanth Gollapudi, Alla Naveen Reddy K Bala Krishna	Design and implementation of modified SEPIC Converter for battery charging application	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X

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28	Raghavaiah Katuri, A. R. Vijay Babu, A. Sri Hari Babu, Dr. G. Srinivasa Rao	Design and analysis of HESS in a hybrid electric vehicle	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
29	N.Aparna, Ch. Saida Reddy	Analysis of maximum power point tracking	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
30	D.Pavani A.Sriharibabu	Solar fed open end winding induction motor pump Drive based on dual inverter with MPPT	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
31	Ch. Uma maheswara Rao, K. Mercy Rosalina, K. Rachananjali	LVRT of a grid connected wind Turbine with Energy Storage System	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
32	Ch. Uma Maheswara Rao, A. Naveen reddy, A.Sriharibabu,	Neural Compensator for a dual PV source fed open-end winding induction Motor drive	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
33	Kommoju C Sravanthi, Dr. K. Mercy Rosalina	Cyber Attacks on Optimal Power Flow: A Review	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
34	Geetha Reddy Evuri, Dr G .Srinivasa Rao, T.Ramasubba Reddy K.Srinivasa Reddy	Energy management and control of hybrid electric Vehicle using igbt based boost converter	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
35	K. Rachananjali, K Bala Krishna	Modified SEPIC Converter for Battery Charging Application	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
36	D.Pavani A.Sriharibabu	MPPT based Solar with Dual Inverter fed with a Open End Winding Induction Motor Pump Drive	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
37	ManikantaSwamy Polamraju.V.S.Sobhan	Design and implementation of c dump converter for 8/6 switched reluctance motor	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X

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38	Divya Manukonda Srinivasa Rao Gorantla	Design of Standalone Solar Wind Hybrid Inverter	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
39	A. Sri Hari Babu, Attuluri R. Vijay Babu, Gorantla Srinivasa Rao	Performance Characteristics of Air breathing Fuel Cell's Modelling, Simulation and analysis	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
40	Sk Riyaz, Bala Krishna K, K. Mercy Rosalina	Voltage Regulation by Instant DG and Maximum Load change on Feeders with Multiple Feeder System	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
41	A Sri Hari Babu A Naveen Reddy	A study on VFSTR University's Energy Conservation, Green House Gas Emission Reduction and Management Strategies	Journal Of Advanced Research in Dynamical & Control Systems	Scopus	2017	1943-023X
42	Ch. Uma maheswara Rao , Bala Murali Krishna. V, Shaik. Meeravalli	Low voltage ride through for grid connected wind Power system with battery energy storage system	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
43	A.Sriharibabu Dr. G. Srinivasa Rao	A dual PV source fed open-end winding induction Motor drive with neural compensator	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
44	Ch.Umamaheswara rao, Ch. Saidareddy, A. Srihari Babu Sai Haritha Janga	Simulation and model of parameter estimation based MPPT algorithm for solar PV panels	Journal Of Advance Research in Dynamical & Control Systems	Scopus	2017	1943-023X
2016						
1	K.Bala Krishna, K.Rachananjali	Design of MPPT based Solar Photo Voltaic System for Household Applications	IJCTA	Scopus	2016	0974-5572
2	K.Rachananjali, K.Bala Krishna, M Sandeep	Distributed Power Flow Controller (DPFC)	IJCTA	Scopus	2016	0974-5572
3	K.Bala Krishna, A Sri Hari Babu	Improvement of Power Quality Problems Based on Distribution statcom by Using Spwm Technique	IJCTA	Scopus	2016	0974-5572

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4	A.Srihari Babu	MPPT Technique for Wind Energy Conversion System Driven By PMSG	IJCTA	Scopus	2016	0974-5572
5	Rajesh Kumar S., N. Ramaraj D. Anil Kumar	Renewable Energy Sources for Smart-Grid	IJCTA	Scopus	2016	0974-5572
6	Shaik Hussainbi, Daiva Prasanna P., Dr G Srinivasa Rao Ch Narasimha Rao	Analyzing the Performance of Three Phase Five Level Inverter Fed BLDC Drive	IJCTA	Scopus	2016	0974-5572
7	P. Venkata Subba Rao Dr G. Srinivasa Rao	Current Trends in Electrical Drones in the Alive Technology	IJCTA	Scopus	2016	0974-5572
8	A. Naveen Reddy, A. Sri hari Babu, Ch. Narasimha Rao, Ch. Uma Maheswara Rao	Analysis of Distributed Power Flow Controller in Power Systems	IJCTA	Scopus	2016	0974-5572
9	Geetha Reddy Evuri, Dr G. Srinivasa Rao, T. Rama Subba Reddy K. Srinivasa Reddy	Current Trends In Ultra Capacitor/Battery Based Smart Transportation System	IJCTA	Scopus	2016	0974-5572
10	A. R. Vijay Babu,D. Manikanta Swamy, K. Pavan Kumar Abu Talha Siddiqi	Design and Performance Analysis of “v” type Solar Desalination Still	IJCTA	Scopus	2016	0974-5572
11	V. Rajyalakshmi A. R. Vijay Babu	Implementation of PV based High-step-up DC-DC Converter with Different Cascade H-bridge (CHB) Topologies	IJCTA	Scopus	2016	0974-5572
12	Sandeep Manda, Siva Sankar G, Bala Krishna K Moturu Bindu	Power System State Estimation Using Minimal Placement of Phasor Measuring Units	IJCTA	Scopus	2016	0974-5572
13	A. Naveen Reddy, Ch. Narasimha Rao. K. Rachananjali, R.Yeswanth Deekshith	Comparitive Harmonic Analysis of Different SVPWM Topologies	IJCTA	Scopus	2016	0974-5572
14	K. Mercy Roslina, V. Havishma Amrutha Shaik Riyaz	Statcom Controlled Grid Connected Wind Generated System for Improvement in Power Quality	IJCTA	Scopus	2016	0974-5572
15	N. Ramaraj, K. Sindhu Chowdary	An Analytical Method to Optimize Generation Schedule with a Fuel Restricted Plant Including Transmission Losses	IJCTA	Scopus	2016	0974-5572
16	Dr G.Srinivasa Rao A.R.Vijay Babu	Effect of design and operating parameters on the performance of planar and ducted cathode structures of an Air breathing PEM fuel cell	Arabian Journal for science and Engineering, Springer publisher	SCIE & Scopus	2016	
17	Ch. Narasimha Rao, A. Sri Hari Babu, A. R. Vijay Babu	PV based DC-DC converter fed Cascaded H- Bridge Inverters	IJCTA	Scopus	2016	0974-5572

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18	A.R.Vijay babu Dr G.Srinivasa rao	Harnessing Power Using A High Step-Up Three-Port DC-DC Converter	IJCTA	Scopus	2016	0974-5572
19	P.V.S.Sobhan, D.V.N.Ananth, G.V.Nagesh, Ravindranath Chowdary	Design of Enhanced Field Oriented Flux Control Technique for Grid Connected DFIG Under Low Voltage Fault Ride Through	IJCTA	Scopus	2016	0974-5572
20	P.V.S. Sobhan, M.Subba Rao M.V.Sudarasan	Modeling And Analysis of New Design Self Bearing Motor For small And High Speed Applications	IJCTA	Scopus	2016	0974-5572
21	Dampuru Naga Sai Saranya P.V.S.Sobhan	Adaptive Fuzzy Pid Controller Based Maximum Power Point Tracking For PV Fed DC Motor Drive	IJCTA	Scopus	2016	0974-5572
22	K. Mercy Rosalina, K. Bala Krishna, A. R. Vijay Babu, A. Naveen Reddy	Optimization of Phasor Measuring Units for Power System State Estimation	IJCTA	Scopus	2016	0974-5572
23	D. Anil Kumar, Dr. N. ramaraj	A study of Renewable Energy Sources for Smart-Grid	IJCTA	Scopus	2016	0974-5572
24	R.Aravind Babu P.V.S.Sobhan M.Subba Rao	Reduction Of Current Ripple and THD In VSI Fed Induction Motor Using Fuzzy Based SVPWM	IJCTA	Scopus	2016	0974-5572
25	M.Subba Rao P.V.S.Sobhan	Design and Implementation of PV Fed Two Stage DC/DC Converter for Home Applications	IJST	Scopus	2016	0974-6846
26	Dr G.Srinivasa Rao A.R.Vijay Babu	Design and fabrication of a Non-Dissipative charge equalization converter for battery stack used in Hybrid electric vehicle	Journal Of Electrical Engineering	Scopus	2016	1582-4594
27	M.Subba rao Dr.Ch.Sai Babu Dr.S.Satyanarayana	Design And Implementation of High Power Factor Power Supply For Leds Based on Integrated Converter	IJCTA	Scopus	2016	0974-5572
28	K.Santhi Priya M.Subba Rao P.V.S.S Shoban	Auxiliary resonant High Frequency DC/DC converters	IJCTA	Scopus	2016	0974-5572
29	R.V.S. Uma Mahesh M.Subba Rao, M.Suneetha P.V.S.Sobhan	Fuzzy Controlled Grid Interfaced 4-Leg Inverter for Power Quality Improvement	IJCTA	Scopus	2016	0974-5572
30	Ravalika Gundu, S.L.V.Sravan Kumar M.Subba Rao K.Raghavaiah	A High Efficiency And High Voltage Gain Step Up DC-DC Converter for DC Micro Grid Applications	IJCTA	Scopus	2016	0974-5572
31	A.Naveen Reddy Ch.Chinna saida Reddy	Solar PV ARRAY Fed Four Switch Buck-Boost Converter for LHB Coach	IJCTA	Scopus	2016	0974-5572

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32	K.Bala Krishna K.Rachananjali	Speed Control of single phase Induction Motor Using Single phase Matrix Converter	IJCTA	Scopus	2016	0974-5572
33	A.Sriharibabu, Ch.Uma Maheswara Rao R.Yeswanth Deekshith	Harmonic Analysis and comparative Study of Various SVPWM Techniques Using Matlab	IJCTA	Scopus	2016	0974-5572
34	Ch.N.Narasimha Rao	Performance Enhancement in a Multi bus Micro grid by the control of DG	IJCTA	Scopus	2016	0974-5572
35	Attuluri.R.Vijay Babu, Dr G.Srinivasa Rao, P.Manoj Kumar, Suman Saranu, A.Srihari Babu, Ch.Uma Maheshwara Rao, A I R Ravi Teja	Energy and Green house gas payback time analysis of an Air Breathing Fuel Cell Stack	Journal of Electrical Engineering	Scopus	2016	47-51
36	C.Sreenivasulu, CH.N.Narasimharao	“Sensor Based Four Quadrant Closed Loop Operation and Control of BLDC Motor Drives	“International Journal of advanced Technology and Innovative research,	Non-Scopus	2016	2348–2370

2015

1	G.Ganesh A.R.Vijay G.Srinivasarao YR Tagore	Performance Analysis and MPPT Control of a Standalone Hybrid Power Generation System	Journal of Electrical Engineering	Scopus	2015	1582-4594
2	Suman Saranu, Rachananjali.K and Bala Krishna.K	Triplet Deadly Combination of Renewable Energy Resources for Generation of Electric Power	IJCTA	Scopus	2015	0974-5572
3	Ch.Uma Maheswara Rao	Field Oriented Control of PMSM with Model Reference Adaptive Control Using Fuzzy-PI Controller	IJCTA	Scopus	2015	0974-5572
4	A.R.Vijay Babu, G. Srinivasa Rao, Y.R. Tagore and N.Bharath Kumar	Fuel Cell Powered Bidirectional DC-DC Converter with Fuzzy Logic Controller for Electric Vehicle Applications	IJCTA	Scopus	2015	0974-5572
5	M.Subbaraoand Polamraju V.S.Sobhan	Hysteresis Based Double Buck-Boost Converter	IJCTA	Scopus	2015	0974-5572
6	Srinivasa Rao Gorantla and Bala Krishna Kethineni	Design of Aero Generator Using MATLAB Simulink for Commercial Applications	IJCTA	Scopus	2015	0974-5572
7	A. Sriharibabu, J.Jithendranath, Ch. Uma Maheswara Rao, Dr. G.Durgasukumar	A Novel Two Diode Model of Pv Module for MPPT with Neural Compensator	IJCTA	Scopus	2015	0974-5572

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8	Ch.N. Narasimha Rao A.Sriharibabu	Three Phase Fuel Cell Inverter Design Based on Hybrid Modulation Technique	IJCTA	Scopus	2015	0974-5572
9	Ch.N.Narasimharao	Control of Reduced-Rating DVR with aLithium-Ion Battery Energy Storage System	IJCTA	Scopus	2015	0974-5572
2014						
1	Durga Sukumar.G, Jithendranath.J, Suman Saranu	Three-Level Inverter fed Induction Motor Drive Performance Improvement with Neuro-Fuzzy SVM	Electrical Power Components and systems, Taylor & Francis	SCI & Scopus	2014	1532 – 5008
2	Y.R.Tagore	An efficient sliding-mode current controller with reduced flickering for quadratic buck converter used as LED Lamp driver	Int. J. of Power Electronics, Inderscience	Scopus	2014	1757-1162
3	Rachananjali K Suman S	Implementation of Phase Imbalance Scheme for Stabilizing Torsional Oscillations	International Journal of Electrical & Computer Engineering	Scopus	2014	2088 - 8708
4	A.R.Vijay Babu,	Magnesium Hydrides for Hydrogen Storage: A Mini Review	International Journal of ChemTech Research	Scopus	2014	0974-4290
5	A.R.Vijay Babu,	Microwave assisted biogenic synthesis of silver nanoparticles using dried seed extract of Coriandrum sativum, characterization and antimicrobial activity	International Journal of ChemTech Research	Scopus	2014	0974-4290
6	Dr.G Durga Sukumar	An Enhanced DTC scheme for Induction Machine Control Fed by Seven-Level MPC Voltage Source Inverter	Journal of Electrical Engineering, Romania	Scopus	2014	1582-4594
7	G.Srinivasa Rao	An Automated Integrated Solar/Wind Based Battery Charging System For Super capacitor Stack Used In Hybrid Electric Vehicle	Journal of Electrical Engineering, Romania	Scopus	2014	1582-4594
8	G.Srinivasa Rao	Design and Implementation Of Micro Controller Based Plugging Braking In Electric/ Hybrid Electric Vehicle	Journal of Electrical Engineering, Romania	Scopus	2014	1582-4594
9	Y.R.Tagore	A fast-response sliding-mode controller for quadratic buck converter	Int. J. of Power Electronics, Inderscience	Scopus	2014	1757-1162
10	A.R.Vijay Babu,	A review on Magnesium Hydrides for Hydrogen Storage	International Journal of ChemTech Research	Scopus	2014	0974-4290

S. No	Name of Faculty	Title	Journal	Indexing	Year	ISSN. No
11	J.Jithendranath, A.Srihari Babu' G.Durga Sukumar	A new Hybrid PSO GSA method of solving ORPD problem with Voltage Stability constraint	TELKOMNICA Indonesian Journal of Electrical Engineering	Scopus	2014	2302-4046
12	K. Bala Krishna, D.V.S.B.Chaitanya, Ch. N. Narasimha Rao, A. Sri Hari Babu	UPFC based ATC Enhancement of a three area system	Int. Journal of Engineering Research and Applications (IJERA).	Non-Scopus	2014	2248 - 9622
13	Polamraju.V. S. Sobhan ,M. Subba Rao,	Stabilization of active magnetic bearing system using Single neuron PID controller	ARPN Journal of Engineering and Applied Sciences (SCOPUS)	Scopus	2014	1819-6608
14	A. Sri Hari Babu, M. Subba Rao, P. V. S. Sobhan	Simulation of MPPT based PV System using Perturb and Observance Method	Journal of Electrical Engineering, Romania	Scopus	2014	1582-4594
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