

**Journal publications of staff (Academic Year 2019 – 20)**

<b>S. No</b>	<b>Name of the faculty</b>	<b>Title of the paper</b>	<b>Journal /Conference</b>	<b>Name of the journal/conference</b>	<b>Volume</b>	<b>Impact Factors</b>
<b>1</b>	Dr.A. Srinivasa Reddy	Shuffled Differential Evolution-Based Combined Heat and Power Economic Dispatch	Conference	Soft Computing in data analytics advances in intelligent systems and computing 758. (Scopus)	Springer Nature Singapore Pte Ltd	0.184
<b>2</b>	Dr.A. Srinivasa Reddy	Shuffled Differential Evolution Algorithm Based Combined Heat and Power Emission Dispatch	Conference	Computational Intelligence in Pattern Recognition Advances in Intelligent Systems and Computing 999 (Scopus)	Springer Nature Singapore Pte Ltd	0.184
<b>3</b>	Dr.A.srinivasa Reddy B.Sambasiva Rao	Controlling And Voltage Balancing Of A New H-Bridge Hybrid Modular Converter (Hbhm) For Hvd Application By Using Fuzzy Logic Controller	Journal	The International journal of analytical and experimental modal analysis (UGC-CARE Group 'II')	ISSN NO: 0886-9367 Volume XI, Issue VIII, August/2019	6.3
<b>4</b>	Dr. Y.Butchi Raju and SK.ChanBasha	Ancillary Service Management to Improve the Transient Stability in Deregulation Environment	Journal	ITEE	Volume 8, Issue 5 ISSN:2306-708X	0.66

5	Dr. N.Bhupesh Kumar and K.KotaihChowdary	Renewable Energy Hybrid Power System With Improvement Of Power Quality In Grid By Using DVSI	Journal	IRJET	Volume 6, Issue 9 ISSN:2395-0072	7.87
6	Sri S.RaghunathSagarG.Ganesh	Fault Classification in Transmission Lines Using Wavelet Transform and K-Nearest Neighbors	Journal	IJEAR	Volume 9, Issue2 ISSN:2348-0033	3.56
7	Sri T.Kranti Kiran Sri R.Madhusudan	Grid Interface Variable-Speed Permanent Magnet Wind Turbine Generators Based Soft Switching Technique Z-Source Inverter	Conference	ICIEEE	-----	0.138
8	Sri T.Kranti Kiran,	Lithium Ion Battery Energy Storage Based STATCOM For Interconnected Wind Power	Journal	JETIR (UGC approved)	Volume 6, Issue 3 ISSN:2349-5162,	5.87
9	T.Kranti Kiran & L. VamsiNarasimhaRao ,G.Ganesh N.Rama Narayana & R.Madhusudan	Performance Analysis of Impedance source converter in different load conditions	Journal	IJEAT (SCOPUS)	VOL 8 ISSUE 5	6.8
10	N.Rama Narayana	Simulation Of a Grid Tied High Efficiency Isolated ac-dc Converter Using Three Phase Interleaved LLC Resonant Converter	Journal	International Journal of Research (UGC)	Volume 9, Issue 7 ISSN:2236-6124	5.7

11	Sri M.Sunil Kumar and T.Nagaraju	A Fuzzy Based STATCOM- Control Scheme For Grid Connected Wind Energy System For Power Quality Improvement	Journal	International journal of research (UGC)	Volume 8, Issue 6, ISSN:2236-6124	1.138
12	U.Ranjith Kumar and CH.Prasanna Lakshmi	Energy Management System For Sudden Load Varying With PV-Battery and Diesel Generator Hybrid System	Journal	IJMTST (UGC)	Volume 5, Issue 8 ISSN:2455-3778	5.8
13	T.DeepthiPrasanna	An Efficient Hybrid Controller For On Grid PV System With Improved Power Quality Features	Journal	IJR (UGC)	Volume 8, Issue 6 ISSN:2236-6124,	5.7
14	A.Durga Prasad	Power Quality Improvement With Multi-Level Inverter Based IPQC For Micro-Grid	Journal	IJMTST (UGC)	Volume5, Issue7 ISSN:2455-3778	5.8
15	R.Madhusudan	Control strategies for DSTATCOM – A Comprehensive Review	Journal	International Journal of Innovative Technology and Exploring Engineering (IJITEE) (Scopus)	Volume-8 Issue-5 ISSN: 2278-3075,	0.1
16	R.Madhusudan	A Rationalized Controller based FACTS Device for Power Quality Enhancement in the Distribution System	Journal	IJEAT (SCOPUS)	Volume-8 Issue-5 ISSN: 2249-8958	1.0
17	K Venkatesh J Ayyappa	Improved Grid Tied Inverter Based Microgrid Control	Journal	International Journal of Research (UGC)	Volume VIII, Issue VI, JUNE/2019	5.7

		Strategies With Reduced Thd			ISSN NO:2236-6124	
18	S N V Bramareswara Rao	A Review On Schemes For Interconnecting Micro Grids Of Urban Buildings	Conference	Springer(L NEE)	-----	0.138
19	S N V Bramareswara Rao	Implementation Of Minigrid With Hybrid Renewable Energy Sources For Urban Community Buildings	Journal	IJRTE (Scopus)	Volume 8, Issue4, ISSN:2277-3878,	1.0
20	B.Sambasiva Rao and G.Ganesh	Comparative Performance Analysis Of Active and Resistive Type SFCL in Reducing the Fault Current	Conference	ICIEEE-2019	-----	0.138

**Journal publications of Staff (Academic Year 2018 – 19)**

S. No.	Name of the faculty	Title of the paper	Journal/ Conference	Name of the journal/ conference	Volume	Impact Factors
1	Dr. A.Srinivasa Reddy	Evolutionary Programming Techniques for solving Non- Convex Economic load Dispatch Problem with Valve-Point Loading Effect	Journal	IJRASET (UGC)	VOL 6 ISSUE 09 ISSN: 2321-9653	7.12
2	Dr. Y.Butchi Raju	Transient Stability Performance Analysis of Multi Machine Power System using Facts Device	Journal	SSRG, IJEEE (UGS)	VOL 5 ISSUE 07 ISSN: 2348-8379	2.01
3	Dr. Bhupesh Kumar	Performance Enhancement Strategies for Grid Connected	Journal	IJRASET (UGC)	VOL 6 ISSUE 09 ISSN: 2321-9653	7.12

		Photovoltaic Energy Systems				
4	Dr. Bhupesh Kumar	Implementing of Differential Power Processing to Optimize the solar Power Generators	Conference	IEEE	-----	
5	S.R.Sagar	Mitigation and discrimination of inrush currents in three phase power transformer	Journal	IJRASET (UGC)	VOL 6 ISSUE 08 ISSN: 2321-9653	7.12
6	S.RaghunathSagar, &G.Ganesh	Fault Classification In Transmission Lines Using Wavelet Transform And K-Nearest Neighbors	Journal	IJEAR	Vol. 9, Issue 2 ISSN : 2348-0033	6.18
7	Dr.M.VeeraKumari	Determination of bus strength and stability by using voltage stability indexes for transmission expansion planning	Journal	IJRASET (UGC)	VOL 6 ISSUE 08 ISSN: 2321-9653	7.12
8	Dr.M.VeeraKumari	Transmission Expansion Planning using Multi- Criteria Decision Making Methods	Journal	IJEAT (Scopus)	VOL 7 ISSUE 03	1.00
9	Dr.M.VeeraKumari	Transmission Expansion Planning Using Deferential Evolution Multi-Objective Differential Evolution and multi-criteria decision making method	Conference	National power engineering conference	-----	
10	A.SuryaPrakesha Rao	Solving Economic load dispatch problem using Particle swarm optimization and artificial Bee colony optimization algorithms SSRG	Journal	IJEEEE (UGC)	VOL 5 ISSUE 7 ISSN: 2348-8379	3.2

11	T.Kranti Kiran & R.Madhusuda n	Performance Analysis of Impedance Source Inverter (ZSI) Controlled with Proposed Unipolar PWM Technique under various Load Conditions	Journal	IJEAT (Scopus)	VOL 8 ISSUE 1	1.0
12	J.Ayyappa, M.Sunilkumar	New Control Strategy for Inverter Based Micro Grid	Journal	Internation al Journal of New Technologi es in Science and Engineerin g	Vol. 5, Issue. 9, 2018, ISSN 2349-0780	6.75
13	R.Madhusuda n	Control Strategies for DSTATCOM	Journal	IJITEE (Scopus)	VOL 8 ISSUE 5	0.1
14	R.Madhusuda n, K.Venkatesh &G.Ganesh	Performance Analysis of Modified Two Source Switched Inductor Quasi ZSI	Journal	Internation al Journal of pure sciences and mathematic s (Scopus)	Volume 118 No. 24 ISSN: 1314- 3395	7.19
15	N.Rama Narayana	Application of particle swarm optimization to three phase locked loop	Journal	IJRASET (Scopus)	VOL 6 ISSUE 9 ISSN: 2321- 9653;	7.12
16	R.Madhusuda n&N.Rama Narayana	Application of SSSPO and SPSO To Optimal Power Flow Solutions Along With SSC Device	Journal	Internation al Journal Of Science And Technolog y (Web of Science)	VOL11(23)	0.12
17	U.Ranjith Kumar	A Design of droop control for multi terminal HVDC of offshore wind farms with three wire bipolar transmission	Journal	IJRASET (UGC)	VOL 6 ISSUE 8	7.12

18	.P.NagaSowjanya	Control of a PMSG based wind turbine system with parallel connected DC chopper at grid side converter	Journal	International Journal for Modern Trends in Science and technology (UGC)	VOL 4 ISSUE 9	5.8
19	T DeeptiPrasanna & SNV Bramareswara Rao	An Efficient Hybrid Controller For On Grid Pv System With Improved Power Quality Features	Journal	International Journal of Research (UGC)	Volume 9, Issue 6 ISSN NO: 2236-6124	5.7
20	R.Madhusudana & K.Venkatesh	Industrial WSN node Extension and Mesurement system for Environmental Monitoring using NI-IIoT	Conference	ICRACE - 2019 proceeding s	-----	
21	S.N.V.Bramar eswara Rao	Framework for Forming Minigrids by Interfacing Urban Community Buildings	Journal	IJPAM (Scopus)	118 (24), 1-19	7.19
22	M.Sunil Kumar J.Ayyappa	Performance evaluation of maximum power plant tracking approaches for PV array under PSC with differential converters	Journal	IJEAT (Scopus)	ISSN: 2249 – 8958, Volume-7 Issue-6, August 2018	0.1
23	T. Deepti Prasanna K. Kotayya Chowdary	Power Management Stategies of A Grid Connected Hybrid System in UPC and FFC Modes	Journal	IJEAT	ISSN: 2249 – 8958, Volume-7 Issue 3, February 2018	0.1
24	R. Madhusudan K. Venkatesh	Industrial Motor Monitoring and Maintenance notifications using NI-IIOT	Conference	ICRACE 2019	--	--

**Journal publications of Staff (Academic Year 2017 – 18)**

<b>S. No</b>	<b>Name of the faculty</b>	<b>Title of the paper</b>	<b>Journal /Conference</b>	<b>Name of the journal/ conference</b>	<b>Volume</b>	<b>Impact Factor</b>
<b>1</b>	Dr.A. Srinivasa Reddy, B. Sambasiva Rao	Simulation of Shunt Active Power Filter with Pi and Fuzzy Logic Controller	Journal	International Journal of Engineering and Advanced Technology (IJEAT) (Scopus)	ISSN: 2249 – 8958, Volume-7 Issue-2, December 2017	0.1
<b>2</b>	Dr.Y.Butchiraju	PSO Optimized Load Frequency Control of a Multi Area Power System under Restructured Scenario	Journal	International Journal of Science Technology and Engineering (UGC)	Volume : 3, Issue : 7 ISSN : 2349-784X	4.73
<b>3</b>	Dr.Y.Butchiraju	Adaptive Fuzzy Control Strategy of STATCOM for the Regulation of Voltage	Conference	7th International Conference on Communication Systems and Network Technologies	978-1-5386-1860-8/17/\$31.00 ©2017 IEEE DOI 10.1109/CSNT.2017.59	
<b>4</b>	Dr.N.Bhupesh Kumar	MPPT Methods For PV String Under Partially Shaded Conditions Along With Particle Swarm Optimization	Journal	International Journal of Science Technology and Engineering (UGC)	Volume 3   Issue 07 ISSN : 2349-784X	4.75
<b>5</b>	Dr. M. Veerakumari	Cuckoo Search Algorithm for Optimal Transmission	Conference	1st International	-----	0.54



		Expansion Planning with Various Load Models and FFC		Conference on Power Engineering, Computing and Control (Scopus)		
6	A.SuryaPrakasha Rao	Modulation Strategy And Voltage Balancing Control For Modular Multilevel Converters	Journal	International Journal of Professional Engineering Studies	-----	4.828
7	Naga SowjanyaPalaty	Literature Review on Grid-Connected Photovoltaic Systems	Journal	IJSPR	Number 02 Volume 40 ISSN: 2349-4689	5.7
8	Naga SowjanyaPalaty	Based DSTATCOM For Neutral Current Compensation with Linear and Non Linear Load in Combination of T-Connected Transformer and SRF	Journal	IJSPR	Issue 110, Volume 39 ISSN: 2349-4689	5.7
9	A.N.P.Girish Kumar	Fuzzy With PI Controller Based Analysis Of Wind Energy Conversion System	Journal	International Journal of Science Technology and Engineering (UGC)	Volume 3 Issue 07 ISSN : 2349-784X	4.7
10	M.Sunil Kumar	Fuzzy Based Three-Phase Multilevel Cascaded H Bridge PV Inverter With Distributed MPPT For Grid-Connected Applications.	Journal	International Journal of Professional Engineering Studies	Volume VIII /Issue 1	4.828
11	M. Sunilkumar, Ch. Prasanna Lakshmi	Control of a Grid Connected Wind Energy Conversion System By using Sliding Mode Control (SMC)	Journal	International Journal of Engineering and Advanced	ISSN: 2249 – 8958, Volume-7 Issue-2, December 2017	1.0

				Technology (IJEAT) (Scopus)		
12	U.Ranjith Kumar	Design And Frequency Control of A Fuzzy Based Hybrid Renewable Power System With Fuel Cell System	Journal	International Journal of Professional Engineering Studies	Volume VIII /Issue 1	4.8
13	J. Ayyappa, S.N. V. Bramareswara Rao	Modeling And Design of Hybrid Control Strategy for Power Quality Improvement in Grid Connected Renewable Energy Source	Journal	International Journal of Engineering and Advanced Technology (IJEAT) (Scopus)	ISSN: 2249 – 8958, Volume-7 Issue-2, December 2017	0.1
14	T.DeepthiPrasanna	Improvement Of Fault Ride-Through Capability In DFIG Wind Turbine With Fuzzy Controlled SFCL	Journal	International Journal of Engineering and Technology (Scopus)	Volume 3 Issue 1 OPEN ACCESS	0.1
15	A.Durga Prasad	A Control Topology To Magnify VSC Coupled Weak Grids Performance With Self Synchronization Capability	Journal	International Journal of Innovative Research in Science, Engineering and Technology	Vol. 6, Issue 1 ISSN : 2319-8753	4.3
16	S.N.V.Bramareswara Rao	Operation and control of wind/solar/diesel generator based hybrid microgrid in grid connected mode under fault conditions	Conference	IEEE	-----	
17	N. Ramanarayana&R.Madhusudan	Comparative analysis of SPSO and PSO to optimal power flow solutions	Journal	IJRASET (UGC)	VOL 6 ISSUE 1 ISSN: 2321-9653;	7.12