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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Consolidate Report

S. No	Year	SCI/WoS Journals	SCOPUS Journals	UGC Journals
1	2022-2023	1	0	7
2	2021-2022	3	3	5
3	2020-2021	2	6	11
4	2019-2020	4	12	6

Faculty Research Publications (AY 2022-2023)

S. No	Name of the faculty	Title of the paper	Name of the conference / Journal / Publisher	Month & Year	Issue No / Volume No/ISBN	Indexing
1	Dr. V Lakshmi Devi	An Enhanced Z-Source Switched MLI Capacitor for Integrated Micro-Grid with Advanced Switching Pattern Scheme	Engineering, Technology & Applied Science Research	August, 2022	Vol. 12 No. 4 (2022) https://doi.org/10.48084/etasr.4909	WoS
2	G. Gowthami , NM Girish Kumar, Dr. Sudheer Kasa, Dr. V. Lakshmi Devi	Mitigation of Power Quality Issues in a Distribution System using PSO tuned Shunt Active Power Filter	International Journal of All Research Education and Scientific Methods	December - 2022	ISSN: 2455-6211 Volume 10, Issue 12 http://www.ijaresm.com/volume-10/issue-12-december-2022	UGC
3	K. Pavan Kumar, K.Yamuna, P. Vinod Kumar, Sudheer Kasa	Power Quality Improvement in a Wind Energy integrated Three Phase AC System using NN-UPQC Control Strategy	International Journal of All Research Education and Scientific Methods	December - 2022	ISSN: 2455-6211 Volume 10, Issue 12 http://www.ijaresm.com/volume-10/issue-12-december-2022	UGC
4	R. Sai Kiran, Y.V. Krishna Reddy, K. Sudheer	Power Loss Reduction in Distribution System by Network Reconfiguration Using MPSO Algorithm	International Journal of All Research Education and Scientific Methods	December - 2022	ISSN: 2455-6211 Volume 10, Issue 12 http://www.ijaresm.com/volume-10/issue-12-	UGC

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					december-2022	
5	Pasala Pavan Kumar, K. Raju, Dr. V. Lakshmi Devi, Dr. Sudheer kasa	Decentralized Load Frequency Control with Wind and Solar PV Generations	International Journal of All Research Education and Scientific Methods	December - 2022	ISSN: 2455-6211 Volume 10, Issue 12 http://www.ijaresm.com/volume-10/issue-12-december-2022	UGC
6	S.Thulasiram, Y. Hari Krishna, Dr. V. Lakshmi Devi, Dr. P Suresh	Fuzzy based Energy Management Control Strategy for Hybrid Energy Resources in a Microgrid System	International Journal of All Research Education and Scientific Methods	December - 2022	ISSN: 2455-6211 Volume 10, Issue 12 http://www.ijaresm.com/volume-10/issue-12-december-2022	UGC
7	Sk Naveed Ahmed, Dr. P. Suresh, Dr. K. Sudheer	Smart Load Scheduling Strategy Utilizing Optimal Charging of EVs in Power Grids	International Journal of All Research Education and Scientific Methods	December - 2022	ISSN: 2455-6211 Volume 10, Issue 12 http://www.ijaresm.com/volume-10/issue-12-december-2022	UGC

Faculty Research Publications (AY 2021-2022)

S. No	Name of the faculty	Title of the paper	Name of the conference / Journal / Publisher	Month & Year	Issue No / Volume No/ISBN	Indexing
1	A Sudhakar	Maximum exploitation of electric vehicle storage in smart micro grids with stochastic renewable sources	Journal of Energy Storage	January 2022	https://doi.org/10.1016/j.est.2022.104029	SCI
2	Dr. Kumar K	Quadratic boost converter for wind energy conversion system using back propagation neural network maximum power point tracking	Int. J. Energy Technology and Policy	2022	Vol. 18, No. 1 https://doi.org/10.1504/IJETP.2022.121516	Scopus
3	Venkatasupur avemulapati	Prototype Model for High Speed Railway Power Supply System Suitable for Indian Traction Sub Stations using Multi Modular Converter	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	2021	Volume: 12 Issue: 10 Pages: 7211-7222 https://doi.org/10.17762/turcomat.v12i1	Scopus

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4	VenkatasupuraVemulapati	Performance enhancement of a high-speed railway supply system with multi module converter: a laboratory prototype model for Indian railways	Indonesian Journal of Electrical Engineering and Computer Science	2022	Volume: 25 Issue: 2 Pages 680-689 http://doi.org/10.11591/ijeecs.v25.i2.pp680-689	Scopus
5	R. Sreesha, C. Srinivasa Rao, M. Vijaya Kumar	Reliability Assessment of Decentralized Multi Microgrid Distribution Networks	INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING,	2021	pp. 1-4. http://sersc.org/journals/index.php/IJAST/article/view/37491	Scopus
6	Sudheer, K., Suresh Penagaluru,, Prabaharan, N.	Mitigation of Voltage Disturbances in Photovoltaic Fed Grid System Using Cascaded Soft Computing Controller	Lecture Notes in Electrical Engineering	2022	https://doi.org/10.1007/978-981-16-7393-1_22	Scopus
7	K. Roopa Raj, Dr. Kumar K, Dr. KasaSudheer	Analysis of Power Quality Improvement in the Grid Connected Renewable Energy based System with UPQC Control Strategies	International Journal of Research in Engineering and Science (IJRES)	2022	Volume 10 Issue 2, (2022) PP. 72-81. https://www.ijres.org/v10-i2.html	UGC
8	Venkatasupura Vemulapati	Implementation of Multi-Modular Converter with Droop characteristics for High Speed Railway Traction System	CVR Journal of Science and Technology	2021	Volume: 20 Issue: 1 Pages: 83-89 https://cvr.ac.in/ojs/index.php/cvracin/issue/view/26	UGC
9	A.SUDHAKAR	Crow Search Algorithm Used to Solving Optimal Power Flow	The International journal of analytical and experimental modal analysis	Dec/2021	Volume XIII, Issue XII, ISSN NO: 0886-9367 https://ijaema.com/index.php/volume-13-issue-12-december-2021	UGC

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Faculty Research Publications (AY 2020-21)

S. No	Name of the faculty	Title of the paper	Name of the conference / Journal / Publisher	Month & Year	Issue No / Volume No/ISBN	Indexing
1	Kumar, K., Ramji Tiwari, P. VenkataVaraprasad, ChallaBabu, and K. Jyotheeswara Reddy.	Performance evaluation of fuel cell fed electric vehicle system with reconfigured quadratic boost converter	International Journal of Hydrogen Energy	Feb-21	46, no. 11 (2021): 8167-8178. https://doi.org/10.1016/j.ijhydene.2020.11.272	SCI
2	Dr.K.Kumar	Performance Evaluation of Photo Voltaic System with Quadratic Boost Converter Employing with MPPT Control Algorithms	International Journal of Renewable Energy Research	Sept. 2020	Vol.10, No.3, September, 2020 ISSN: 1309-0127 DOI: https://doi.org/10.20508/ijrer.v10i3.10800.g7982	SCI
3	Kasa Sudheer Ch. Lenin Babu , G. Purushotham , P Suresh	Voltage Disturbance Mitigation in Distribution System Using FM-DQ control based DVR	International Journal of Advanced Science and Technology	2020	29(04), 785 – 790 http://sersc.org/journals/index.php/IJAST/article/view/4658	SCOPUS
4	Dr. V. Lakshmi Devi	A Comparative and Novel Solution for unit Commitment Problem using Hybridized bat Search Approach technique for 10-unit System	Journal of critical Reviews	July-2020	Vol. 7,Issue 09, pp. 2223-2229 ISSN:2394-5125 http://sersc.org/journals/index.php/IJAST/article/view/4411	SCOPUS
5	R.Sireesha	Optimal design of Reliable Multi Micro Grid based Distribution Systems	Solid state Technology	October-2020	Vol:63, Issue:1, pp.2172~2180 http://solidstatetechnology.us/index.php/JSST/article/view/3007	SCOPUS
6	M. Nagaiah	Comparative Analysis of Output	International Journal on Emerging	July-2020	ISSN No. (Print): 0975-8364 ISSN No. (Online): 2249-3255	SCOPUS

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		Power of PV/Wind Hybrid Boost Converter System with PI, PI with Fuzzy, FLC and ANFIS based MPPT Techniques	Technologies		https://www.researchtrend.net/ijet/ijet.php	
7	R. Sireesha, C. Srinivasa Rao, M. Vijaya Kumar	Optimal design of Reliable Multi Micro Grid based Distribution Systems	Solid State Technology	2020	Volume: 63 Issue: 1 http://solidstatetechnology.us/index.php/JSST/article/view/3007	Scopus
8	Suresh Penagaluru	Mitigation of voltage disturbances in pv interconnected grid using anfis based dynamic voltage restorer	International Journal of Advanced Science and Technology	Volume 29 Issue 4 Pages 764–770	2020 http://sersc.org/journals/index.php/IJAST/article/view/4653	Scopus
9	SudheerKasa, T Naveen	Design and Performance Analysis of an Adaptive Current Source Driver Scheme for Power Factor Correction Converters	International Journal of Information and Computational Science	2020	10 (12), 391-405 https://joics.org/VOL-10-ISSUE-12-2020/	UGC
10	Kasa. Sudheer, P. Yamuna	A Novel Voltage Unbalance Compensation Control Strategy for DG Interfaced Converters in an Islanded Microgrid	International Journal of Information and Computational Science	2020	Volume: 10 Issue: 12 Pages: 132-143 https://joics.org/VOL-10-ISSUE-12-2020/	UGC
11	P.Vinod Kumar	An Advanced power control strategy and optimization of large scale grid connected photovoltaic systems in the smart grid	DogoRangsang Research Journal	August-2020	Vol:10 Issue-08, No.2 August 2020, ISSN;2347-7180 https://www.journal-dogorangsang.in/	UGC

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12	B.BanuSuriya, K.Yamuna	Impact of various load models on DG Placement and sizing using Backtracking search Algorithm	Alochana Chakra Journal	October-2020	Vol.IX, Issue X, October, 2020 ISSN: 2231-3990	UGC
13	T Naveen, Kumar K	Performance Analysis of On-Grid Hybrid Solar and Wind Energy System with ANFIS Based OASC and MAF Controllers",	Journal of Information and Computational Science	2020	Vol. 10(12) (2020), pp. 104-120. https://joics.org/ VOL-10-ISSUE-12-2020/	UGC
14	Kullu Himabindu, Kumar K	ANFIS Based Repetitive Controller with Reduced Switch Seven Level Cascaded Inverter for a Solar PV and Battery Energy Storage	Journal of Information and Computational Science	2020	,Vol. 10(12) (2020), pp. 144-165. https://joics.org/ VOL-10-ISSUE-12-2020/	UGC
15	AjjiSrinivasulu, R Sireesha, Suresh Penagaluru	Design And Analysis Of A Dual Voltage Source Inverter For Enhancement of Power Quality In A Micro Grid System	Journal Of Information And Computational Science	2020	Volume 10 Issue 12 https://joics.org/ VOL-10-ISSUE-12-2020/	UGC
16	P.Suneetha	Power Quality Improvement in Wind Unit fed Three phase system using NN- UPQC Control Strategy	Journal of Information and Computational Science	2020	Volume 10 Issue 12 https://joics.org/ VOL-10-ISSUE-12-2020/	UGC
17	Dr. V Lakshmi Devi	An Improved Control Strategy for Dynamic Voltage Restorer For Mitigating Power Quality Problems in Electrical Distribution	JICS: Journal of Information and Computational Science	2020	Volume-10, Issue-12, ISSN No:1548-7741 https://joics.org/ VOL-10-ISSUE-12-2020/	UGC

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		Systems				
18	AJJI SRINIVASULU, R SIREESHA, SURESH PENAGALURU	Design And Analysis of a Dual Voltage Source Inverter for Enhancement of Power Quality in a Micro Grid System	Journal of Information and Computational Science	2020	Volume: 10 Issue 12 ISSN: 1548-7741 https://joics.org/VOL-10-ISSUE-12-2020/	UGC
19	A.SUDHAKAR	Cooperative control and advanced Management of distributed generators in a Smart grid	The International journal of analytical and experimental modal analysis	2020	Volume XII, Issue VI, June/2020 ISSN NO:0886-9367 DOI:18.0002.IJAEMA.2020.V12I6.200001.0151002	UGC

Faculty Research Publications (AY 2019-20)

S. No	Name of the faculty	Title of the paper	Name of the conference / Journal / Publisher	Month & Year	Issue No / Volume No/ISBN	Indexing
1	Dr. Kumar K	Power Electronic Converter Configurations Integration with Hybrid Energy Sources–A Comprehensive Review for State-of the-Art in Research.	Electric Power Components and Systems, Taylor & Francis	February 2020	ISSN: 1532-5008 print / 1532-5016 online https://doi.org/10.1080/15325008.2019.1689457	SCI
2	K Ramakrishna Reddy	Maximization of Plug-In Electric Vehicle's Exploitation for Load Flattening with Consideration of Customer Satisfaction	Applications of Computing, Automation and Wireless Systems in Electrical Engineering: Proceedings of MARC 2018	2019	Volume 553 Pages: 31 Publisher Springer DOI: 10.1007/978-981-13-6772-4_4	SCI
3	K Ramakrishna Reddy	A Novel Strategic Scheduling of Plug-in-Electric Vehicles to Reduce Power Fluctuations in an Active Distribution Network	Applications of Computing, Automation and Wireless Systems in Electrical Engineering: Proceedings of	2019	Volume: 553 Pages: 45 Publisher Springer DOI: 10.1007/978-981-13-6772-	SCI

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				MARC 2018		4_5	
4	K Ramakrishna Reddy	A novel strategy for maximization of plug-In electric vehicle's storage utilization for grid support with consideration of customer flexibility	Electric Power Systems Research	2019		Volume: 170 Pages: 158-175 Publisher Elsevier https://doi.org/10.1016/j.epsr.2018.12.031	SCI
5	Dr.K.Sudheer	Voltage Disturbance Mitigation in Distribution System Using FM-DQ control based DVR	International Journal of Advanced Science and Technology	Feb-2020		Vol. 29,No.4, pp.758-790 http://sersc.org/journals/index.php/IJAST/article/view/4658	SCOPUS
6	Dr.V.Lakshmi Devi	A Comparative and Novel Solution for unit Commitment Problem using Hybridized Bat Search Approach for 10-unit System	International Journal of Advanced Science and Technology (IJAST)	March 2020		Vol. 29,No.03 (2020), pp. 2524-2535 http://sersc.org/journals/index.php/IJAST/article/view/4411	SCOPUS
7	Dr. Kumar K	The Photovoltaic Module Temperature Prediction using Adaptive Neuro Fuzzy System	TEST Engineering and Management	May-June 2020		ISSN: 0193-4120 Page No. 18274 – 18285 https://www.testmagzine.biz/index.php/testmagzine/article/view/10290	SCOPUS
8	Dr. Kumar K	Fuzzy Logic Based Energy Controlling Strategy for Isolated Wind-PV Hybrid System	International Journal of Engineering and Advanced Technology	February, 2020		Vol.-9, Issue-3, 2019 ISSN:2249-8958 DOI: 10.35940/ijeat.C5267.029320	SCOPUS
9	P.Suresh	Voltage disturbance mitigation in distribution system using fm-dq control based dvr	International Journal of Advanced Science and Technology	FEB-20		Vol. 29,No.4 (2020), pp. 758-790 http://sersc.org/journals/index.php/IJAST/article/view/4658	SCOPUS
10	P.Suresh	Effective power quality improvement in PV grid by using adaptive hysteresis dynamic	International Journal of Engineering and Advanced	OCT-19		Vol.-9, Issue-1, October 2019 ISSN:2249-8958 DOI:	SCOPUS

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		active power filter under different source voltage control strategies	Technology		10.1016/j.ijepes.2016.03.002	
11	M.Nagaiah	An Effective Battery Energy Management System in Hybrid Solar/Wind System Using ANFIS Controlled Bi-Directional DC-DC Converter	International Journal of Recent Technology and Engineering (IJRTE),	Nov. 2019	Vol. -8, Issue-4 November 2019 ISSN:2277-3878 DOI:10.35940/ijrte.d6876.118419	SCOPUS
12	M.Nagaiah	Analysis of fuzzy logic controller based bi-directional DC-DC converter for battery energy management in hybrid solar/ wind micro grid system	International Journal of Electrical and Computer Engineering (IJECE),	June-2020	Vol. -10, No. 3, June 2020 pp. 2271~2284 DOI: http://doi.org/10.11591/ijece.v10i3.pp2271-2284	SCOPUS
13	M.Nagaiah	Optimal operation of standalone hybrid system containing solar and wind generating units with the help of boost and bidirectional converters operated by ANFIS controllers	Global Journal o Engineering Science and Research Management	June-2020	ISSN 2349-4506 Impact Factor:3.799 https://doi.org/10.5281/zenodo.3895567	Scopus
14	Y.V.Krishna Reddy	Flower Pollination Algorithm to Solve Dynamic Economic Loading of Units with Piecewise fuel options	Indonesian Journal of Electrical Engineering and Computer science	October-19	Vol. -16, No. 1, October 2019 pp. 9~16 DOI: http://doi.org/10.11591/ijeecs.v16.i1.pp9-16	Scopus
15	Y.V. Krishna Reddy	Feeder protection from over load situations through IOT	International Journal of Future Generation Communication and Networking	July-2020	Vol. -13, No. 3, pp. 3699~3707 http://sersc.org/journals/index.php/IJFGCN/article/view/30760	Scopus
16	R. Sireesha, C. Srinivasa Rao, M. Vijaya Kumar	Reliability Evaluation of Decentralized Multi Microgrid Distribution Networks	International Journal of Advanced Science and Technology	2020	Vol. 29, No.8, pp. 6365 – 6376. http://sersc.org/journals/index.php/IJAST/article/view/37491	Scopus

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17	Dr.K.Sudheer	High Voltage Gain Interleaved Boost Converter with ANFIS Based MPPT Controller for Fuel Cell Based Electric Vehicle Applications	International Journal of Information and Computational Science	November 2019	Vol. 9,Issue 12-2019, pp. 691-698 ISSN:1548-7741 https://joics.org/VOL-9-ISSUE-12-2019/	UGC
18	Dr.K.Sudheer	Simulation of Hybrid PV-Battery System with ANFIS Control Strategy For Stand-Alone DC Applications	International Journal of Information and Computational Science	November 2019	Vol. 9,Issue 12-2019, pp. 710-717 ISSN:1548-7741 https://joics.org/VOL-9-ISSUE-12-2019/	UGC
19	Dr.V.Lakshmi Devi	Analysis of Recurrent Neuro-Control Algorithm for Two Stage Solar Energy Conversion by Using ANFIS Controller	IJAEMA	Dec-2019	Vol. XI, Issue XII Dec. 2019, pp. 1758-1764 DOI:18.0002.IJAEMA.2019.V11I12.200001.014716	UGC
20	Dr.V.Lakshmi Devi	A Genetic Algorithm Based Problem Detection for Unit Commitment (UC) Problems	International journal of Recent Technology and Engineering (IJRTE)	July-19	Vol.-8, Issue-2, July 2019 ISSN:2277-3878 https://www.ijrte.org/download/volume-8-issue-2/	UGC
21	P.Vinod Kumar	Performance of isolated bidirectional battery converter by using fuzzy controller for standalone solar PV applications	International Journal Analytical Experimental & Model Analysis	Dec 2019	Vol.-10, Issue-08 No. 02, August 2020 ISSN:2347-7180 https://ijaema.com/index.php/volume-10-issue-8-2018/	UGC Care Group I Journal
22	P. Suresh	High Voltage Gain Interleaved Boost Converter with ANFIS Based MPPT Controller for Fuel Cell Based Electric Vehicle Applications	International Journal of Information and Computational Science	November 2019	Vol. 9,Issue 12-2019, pp. 691-698 ISSN:1548-7741 https://joics.org/VOL-9-ISSUE-12-2019/	UGC