



SRI VENKATESWARA COLLEGE OF ENGINEERING (Autonomous)

Karakambadi Road, Opposite LIC Training Centre, Tirupati – 517 507.
Accredited by NBA (B.Tech – CSE, ECE,EEE,Mech., Civil and IT) & NAAC with ‘A’ Grade
Approved by AICTE, New Delhi permanently affiliated to JNTUA, Ananthapuramu.

Department of Electrical and Electronics Engineering

Journal Publications A.Y 2024-2025

S. No	Name of the faculty	Title of the paper	Name of the Journal / Publisher	Month & Year	Issue No / Volume No / ISBN	Indexing
1	Dr. Kumar K Dr. V Lakshmi Devi	Design and evaluation of power converter for integration of lithium-ion battery and renewable sources	Results in Engineering	18-02-2025	ISSN 2590-1230	SCI
2	Dr. Shaik Rafi Kiran	A Universal Source DC–DC Boost Converter for PEMFC-Fed EV Systems With Optimization-Based MPPT Controller	International Transactions on Electrical Energy Systems (Wiley)	25-10-2024	Volume 2024, Article ID 5520331	SCI
3	Dr. Shaik Rafi Kiran	A novel advanced hybrid fuzzy MPPT controllers for renewable energy systems	Scientific Reports (www.nature.com/scientificreports)	10-09-2024	21104 (2024)	SCI
4	Dr. Kumar K Dr. V Lakshmi Devi	Evaluation and deployment of a unified MPPT controller for hybrid Luo converter in combined PV and wind energy systems	Scientific Reports	2024	e-ISSN: 2045-2322	SCI
5	Dr. Y V Krishna Reddy	Economic Load Dispatch of Thermal-Solar-Wind System using Modified Grey Wolf Optimization Technique	International Journal of Electrical and Electronics Research	10-08-2024	2347-470X	SCOPUS
6	Dr. Y V Krishna Reddy	Starfish Optimization Algorithm for Economic Emission Dispatch with Chance Constraints and Wind Power Integration	Journal of Information Systems Engineering and Management	25-12-2024	e-ISSN: 2468-4376	SCOPUS



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1	Dr. Shaik Rafi Kiran	A comprehensive performance analysis of advanced hybrid MPPT controllers for fuel cell systems	Scientific Reports (www.nature.com/scientificreports)	31-05-2024	(2024) 14:12510	SCI
2	Dr. Shaik Rafi Kiran	A new single switch universal supply voltage DC-DC converter for PV systems with MGWM-AFLC MPPT controller	Scientific Reports (www.nature.com/scientificreports)	27-05-2024	(2024) 14:12103	SCI
3	Dr. Shaik Rafi Kiran	Design of adaptive hybrid MPPT controllers with universal input voltage DC-DC converter for RES's	Scientific Reports (www.nature.com/scientificreports)	18-05-2024	(2024) 14:11379	SCI
4	Dr. Y V Krishna Reddy	ED-SS based Cognitive Radio (CR) over Various Fading Channels for Modern Wireless Communications	Journal of Electrical Systems	04-05-2024	1112-5209	SCI
5	Dr. SHAIK RAFI KIRAN	Design and performance analysis of hybrid MPPT controllers for fuel cell fed DC-DC converter systems	Elsevier : Energy Reports	Dec-23	https://doi.org/10.1016/j.egypr.2023.05.030	SCI
6	Dr. SHAIK RAFI KIRAN	Design and implementation of hybrid MPPT controller for FC based EV system with boost DC-DC converter	Journal of Intelligent & Fuzzy Systems	31-07-2023	https://doi.org/10.3233/JIFS-224007	SCI
7	Dr. SHAIK RAFI KIRAN	Design and performance analysis of hybrid optimization MPPT controller for proton exchange membrane fuel cell system with DC-DC converter	ELSEVIER Materials Today: Proceedings	26-07-2023	https://doi.org/10.1016/j.matpr.2023.07.077	SCI
8	Dr. Kumar K Dr. V Lakshmi Devi	Fuel Cell Fed Electrical Vehicle Performance Analysis with Enriched Switched Parameter Cuk Converter	Recent Advances In Electrical & Electronic Engineering	03-07-2023	10.2174/235209651666230607125137	SCI



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9	Dr. Y V Krishna Reddy	Grey Wolf Optimizer algorithm for multi-objective optimal power low	Journal of Intelligent Systems and Internet of things	14-02-2024	2690-6791	SCOPUS
10	Dr. Y V Krishna Reddy	Investigation of equilibrium optimizer to solve economic dispatch with practical constrains	Balkan Journal of Electrical and Computer Engineering	March 2024	2147-284x	SCOPUS
11	Dr. Y V Krishna Reddy	Economic Load Dispatch with Practical Constraints using Mountaineering Team-Based Optimization Technique	International Journal of Intelligent Systems and Applications in Engineering	03-09-2023	2147-6799	SCOPUS
12	Mrs. K. Prathibha, Mr. Nanda Kumar Enjeti	A Deep Learning and Optimization-Aided Intrusion Detection Framework for Adaptive Threat Detection in Dynamic Public Cloud Environments	International Journal of Intelligent Systems and Applications in Engineering (IJISAE)	Jun-24	2147-6799	SCOPUS
13	P Suneetha	Power Quality conditioning using Two-level buck inverter based D-STATCOM	International Journal of Applied Power Engineering (IJAPE)	Jun 2024	2252-8792	SCOPUS
14	K Sudhher, P Suresh, R Sireesha and K Yamuna	COVID-19 Propagation Unified Controller for Improved Power Quality in Multi Feeder Renewable Integrated System	Przegląd Elektrotechniczny	22-06-2024	0033-2079	SCOPUS



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1	Dr. V Lakshmi Devi	<u>An Enhanced Z-Source Switched MLI Capacitor for Integrated Micro-Grid with Advanced Switching Pattern Scheme</u>	Engineering, Technology & Applied Science Research	Aug 2022	Vol. 12 No. 4 (2022) https://doi.org/10.48084/etasr.4909	SCI
2	Dr. V Lakshmi Devi and Dr. Kumar K	Performance and Reliability Analysis of Double Boost Converter-fed Renewable PV System	Journal of Engineering	30-3-2023	https://doi.org/10.1155/2023/2096501	SCI
3	Dr. Shaik Rafi Kiran	Design of high voltage gain convertere for fuel cell based EV application with hybrid optimization MPPT controllers	Material Today Proceedings	March 2023	2214-7853	SCI
4	Dr. Shaik Rafi Kiran	Design of GWO based fuzzy MPPT controller for fuel cell fed EV application with high voltage gain DC-DC converter	Material Today Proceedings	March 2023	2214-7853	SCI
5	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	Dec-22	ISSN: 2455-6211 Volume 10, Issue 12 http://www.ijaresm.com/volume-10/issue-12-december-2022	UGC
6	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	Dec-22	ISSN: 2455-6211 Volume 10, Issue 12 http://www.ijaresm.com/volume-10/issue-12-december-2022	UGC
7	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	Dec-22	ISSN: 2455-6211 Volume 10, Issue 12 http://www.ijaresm.com	UGC



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8	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	Dec-22	ISSN: 2455-6211 Volume 10, Issue 12 http://www.ijaresm.com/volume-10/issue812-december-2022	UGC
9	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	Dec-22	ISSN: 2455-6211 Volume 10, Issue 12 http://www.ijaresm.com/volume-10/issue-12-december-2022	UGC
10	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	Dec-22	ISSN: 2455-6211 Volume 10, Issue 12 http://www.ijaresm.com/volume-10/issue-12-december-2022	UGC



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S. No	Name of the faculty	Title of the paper	Name of the 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	Scopus
3	Venkatasupura Vemulapati	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	Scopus
4	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
5	Venkatasupuravemulapati	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	Scopus
6	R. Sireesha, C. Srinivasa Rao, M. Vijaya Kumar	Reliability Assessment of Decentralized Multi Microgrid Distribution Networks	International Journal Of Integrated Engineering	2021	pp. 1-4.	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.	UGC



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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	UGC
9	A.Sudhakar	Crow Search Algorithm Used to Solving Optimal Power Flow	The International journal of analytical and experimental modal analysis	2020	Volume XIII, Issue XII, December/2021 ISSN NO:0886-9367	UGC