

I. Publication in Journals

Sr.No.	Name of the Department	Name of the Teacher	Title of the of paper	Journal, vol. No. with ISSN No./conference	Year with month	UGC Care Listed/Scopus/SCI	Impact Factor, if available
1.	Electrical	Dr. Sulabh Sachan	Stochastic Charging of Electric Vehicles in Smart Power Distribution Grids	Sustainable Cities and Society, Elsevier 2210-6707	July 2018	SCI	5.268
2.	Electrical	Dr. Sulabh Sachan	Different Charging Infrastructures along with Smart Charging Strategies for Electric Vehicles	Sustainable Cities and Society, Elsevier 2210-6707	May 2020	SCI	5.268
3.	Electrical	Dr. Sulabh Sachan	Optimal allocation of EV charging spots along with capacitors in smart distribution network for congestion management	International Transaction on Electrical Engineering, Wiley, 2050-7038	June 2020	SCI	1.692
4.	Electrical	Dr. Sulabh Sachan	Integration of Electric Vehicles with Optimum Sized Storage for Grid Connected Photo-voltaic System	Energy, Aims Press 2333-8334	Oct 2017	Scopus/E-SCI	
5.	Electrical	Dr. Sulabh Sachan	Green Energy Corridor	Test Engineering and Management 0193-4120	Feb 2020	Scopus	
6.	Electrical	Prof. A. K. Gupta	Design and implementation of interleaved high gain DC-DC converter	INTERNATIONAL JOURNAL OF RENEWABLE ENERGY TECHNOLOGY, vol. 11	2020	UGC CARE LISTED	
7.	Electrical	Prof. A. K. Gupta	A COMPARITVE STUDY OF SERIES COMPENSATION , TCPAPand TCSR FACTS controller for mitigation of congestion	Journal of Institution of Engineers (India), Series B, Springer 2250-2106		UGC CARE LISTED	
8.	Electrical	Prof. A. K. Gupta	Simulation analysis and implementation of high gain DC-DC boost converter	Computing electronics and communication engineering, NCICECE, NIT Kurushertra	2020	UGC CARE LISTED	
9.	Electrical	Rohit	Multipath Conductors for EMI Filter	IET Science Measurement &	2018	SCI	1.914

		Kumar Verma	- Recent Developments	Technology			
10.	Electrical	Rohit Kumar Verma	Frequency Regulation of Micro-grid Connected Hybrid Power System with SMES	Technology and Economics of Smart Grids and Sustainable Energy, DOI: 10.1007/s40866-017-0028-3	2017	Scopus	
11.	Electrical	Pranjal Saxena	Enhancing the dynamic performance of microgrid using derivative controlled solar and energy storage based virtual inertia system	Journal of Energy Storage	2020	SCI	6.5
12.	Electrical	Pranjal Saxena	Self-Regulated Solar Power System: Replacing Battery via Virtual Inertia Reserve	IEEE Transaction on Energy Conversion	2021	SCI	4.8
13.	Electrical	Pranjal Saxena	Investigating the frequency fault ride through capability of solar photovoltaic system: Replacing battery via virtual inertia reserve	International Transaction of Electrical Energy System	2021	SCI	2.5
14.	Electrical	Dr. Prabhu Omer	A Review on Reduced Switch Count Multilevel Inverter Topologies	IEEE Access	2020	SCI	4.08
15.	Electrical	Dr. Atul Sarojwal	ZigBee Based Prototype Design of Anti Collision System for Locomotives	International Journal of Advanced Research and Development	2018	UGC CARE LISTED	
16.	Electrical	Dr. Atul Sarojwal	RF Wireless Sensor Based System for Avoidance of Locomotive Accidents due to Track Discontinuation	International Journal of Advanced Science and Research	2018	UGC CARE LISTED	
17.	Electrical	Dr. Atul Sarojwal	ZigBee Wireless Sensor Based Prototype Design for Avoidance of Train Accidents due to Derailment Caused by Track Discontinuation	Journal of Emerging Technologies and Innovative Research	2019	UGC CARE LISTED	
18.	Electrical	Dr. Atul	Hierarchical Structure of Active	International Journal of	2020	UGC CARE LISTED	

		Sarojwal	Distribution Network in Power System	Engineering and Advanced Technology			
19.	Electrical	Dr. D. D. Sharma	Agent-Based Distributed Control Schemes for Distributed Energy Storages under Cyber Attack,	IEEE Journal on Emerging and Selected Topics in circuits and Systems	2017	SCI	3.916
20.	Electrical	Dr. D. D. Sharma	Aberration detection in electricity consumptions using clustering technique	International Journal of Energy Sector Management, Emerald	2015	ESCI	3.1
21.	Electrical	Dr. D. D. Sharma	Multi-agent based distributed control of distributed energy storages	Journal of Energy Storage	2016	ESCI	6.583
22.	Electrical	Dr. D. D. Sharma	Identification and characterization of unusual consumptions of load data	Journal of Modern Power System and Clean Energy (MPCE), Springer	2017	SCI	3.265
23.	Electrical	Dr. D. D. Sharma	A Comparative study on various dielectric barriers and their effect on breakdown voltage	IET journal on High Volatge , vol. 3, no. 1, pp. 51-59.		ESCI	2.9
24.	Electrical	Dr. D. D. Sharma	Model Predictive Control System Design For Optimal Usage Of Battery Energy Storage System	GIS Science Journal ISSN No. 1869-9391	2020	UGC CARE LISTED	
25.	Electrical	Dr. D. D. Sharma	Model Predictive Control System Design For Optimal Usage Of Battery Energy Storage System	GIS Science Journal ISSN No. 1869-9391	2020	UGC CARE LISTED	
26.	Electrical	Dr. D. D. Sharma	Designing Community Energy Storage System for Peak Shaving Application With Load Pattern Data	Compliance Engineering Journal, ISSN No. 0898-3577	2020	UGC CARE LISTED	
27.	Electrical	Dr. D. D. Sharma	Vulnerability Assessment In Power Network With Topological Approach	Compliance Engineering Journal, ISSN No. 0898-3577	2020	UGC CARE LISTED	
28.	Electrical	Dr. D. D. Sharma	Hierarchical Structure of Active Distribution Network in Power	International Journal of Engineering and Advanced	2020	UGC CARE LISTED	

			System	Technology			
29.	Electrical	Dr. D. D. Sharma	Game Theoretic Distributed Model Predictive Control for Battery Energy Storage System	Proteus Journal Web of Science Group, ISSN No. 0889-6348.	2020	UGC CARE LISTED	
30.	Electrical	Dr. D. D. Sharma	Optimal Strategies of Virtual Power Plants Development: A Review	Proteus Journal Web of Science Group, ISSN No. 0889-6348.	2020	UGC CARE LISTED	
31.	Electrical	Dr. D. D. Sharma	Planning and operation of EV charging stations by chicken swarm optimization driven heuristics	Energy Conversion and Economics	2020	UGC CARE LISTED	
32.	Electrical	M. A. Ansari	Development of ANN and ANFIS models for age production of in-service transformer oil samples	IJERST	2015	UGC CARE LISTED	
33.	Electrical	M. A. Ansari	ANN Based Age Estimation of In-service Transformer oil samples	IJRMEE	2015	UGC CARE LISTED	
34.	Electrical	M. A. Ansari	Perspective Approach to smart grids technologies	IJRMEE	2014	UGC CARE LISTED	
35.	Electrical	M. A. Ansari	An overview of health diagnostic Techniques applied to IN-service transformer oil	JETIR	2014	UGC CARE LISTED	

II. Conference

Sr.No.	Name of the Department	Name of the Teacher	Title	conference	Year with month
1.	Electrical	Ruchi Yadav	Performance Analysis of SOFC Based Isolated Mode Operated Distribution System	International Conference on "Academic Research in Engineering Management and Information Technology" (ICARE MIT-2020)	2020
2.	Electrical	Ruchi Yadav	Single Phase Grid Connected System	International Conference on "Academic Research in Engineering Management and Information Technology" (ICARE MIT-2018)	2018

3.	Electrical	Dr. Prabhu Omer	Design of robust PID controller for Buck converter using Bat algorithm	IEEE Conference (ICPEICES 16)	2016
4.	Electrical	Dr. Prabhu Omer	Optimized SHE-PWM Technique for Low Distortion Single Phase MLI for PV Standalone System	UPCON 18	2018
5.	Electrical	Dr. Prabhu Omer	A New Multilevel Inverter Topology with Reduced Switch Count and Device Stress	UPCON 18	2018
6.	Electrical	Dr. Atul Sarojwal	Design & Fabrication of RF Based Automatic Railway Crossing System	International Conference on Academic Research in Engineering, Management and Information Technology' (ICAREMIT-2020)	2020
7.	Electrical	Dr. Atul Sarojwal	Fully Automatic Distant Surveillance & Automation of Modern House	International Conference on Academic Research in Engineering, Management and Information Technology' (ICAREMIT-2020)	2020
8.	Electrical	Dr. Atul Sarojwal	Hierarchical Active Distribution Network: Characteristics & Challenges	International Conference on Academic Research in Engineering, Management and Information Technology' (ICAREMIT-2020)	2020
9.	Electrical	Dr. Atul Sarojwal	Speed Control of Separately Excited DC Motor by Using Fuzzy Logic Controller	International Conference on Academic Research in Engineering, Management and Information Technology' (ICAREMIT-2020)	2020
10.	Electrical	Dr. Atul Sarojwal	Real Time Data Measurement and Control of DC Shunt Motor Generator Set Using Labview	National Conference on Advances in Electronics and Communication Engineering', (AECE-14)	2014
11.	Electrical	Dr. Atul Sarojwal	Recent Trends in Material Science	RTMS	2013
12.	Electrical	Dr. D. D. Sharma	Electrical Load Profile Analysis and Peak Load Assessment using Clustering Technique	IEEE PES General Meeting -14, Washington D.C.,USA	2014
13.	Electrical	Dr. D. D. Sharma	Critical Load Profile Estimation for Sizing of Battery Storage System	IEEE PES General Meeting -15, Denve	2015
14.	Electrical	Dr. D. D. Sharma	Distributed control scheme based on agents' behaviour for distributed energy storages	IEEE PES General Meeting, Boston, USA	2016

15.	Electrical	Dr. D. D. Sharma	Agent-based distributed control scheme for distributed energy storages based on forecast uncertainties	IEEE PES General Meeting, Chicago, USA	2017
16.	Electrical	Dr. D. D. Sharma	Simulation and Modeling of Dielectric Barrier Impact on Heterogeneous Electric Field	IEEE International Conference on Electro Information Technology (EIT), Lincoln, Nebraska, U.S.A	2017
17.	Electrical	Dr. D. D. Sharma	Optimal day ahead strategy based on capacity loss for battery energy storage system	IEEE International Conference on Power System, Pune	2017
18.	Electrical	Dr. D. D. Sharma	The challenges in development of internet of things based smart power distribution system	IEEE UPCON	2018
19.	Electrical	Dr. D. D. Sharma	Receding horizon control strategy for energy storage devices incorporating capacity loss	IEEE UPCON	2018
20.	Electrical	Dr. D. D. Sharma	Remote Monitoring and Control of Electrical Systems with Augmented Reality and Digital Twin	Cyber-physical system and digital twins, LNNS, Springer, vol.80, pp. 748-760,	2019
21.	Electrical	Dr. D. D. Sharma	Design and Development of Solar Electric Hybrid Heated Bed Smart Electric Stove	LNNS, Springer, vol.80, pp. 367-378	2019
22.	Electrical	Atul Katiyar	Initial Excitation Based Adaptive Observer with Multiple Switching	Conference on Decision and Control held at Nice, France	2019
23.	Electrical	Atul Katiyar	A Switched Adaptive Observer Design without Persistence of Excitation	IEEE 5th Indian Control Conference held at IIT Delhi	2019
24.	Electrical	Atul Katiyar	Model Predictive Control of Discrete LTI Systems	ICAREMIT	2015
25.	Electrical	Atul Katiyar	Maximum Power Point Tracker for Photovoltaic System by Constant Voltage Method	ICAREMIT	2015

III. Publication of Chapter In edited Book (2016-2021)

Sr.No	Name of the Researcher	Title of the paper	Name of Book	Year of Publication	Publisher	ISBN. No.
1.	Dr. Sulabh Sachan	Optimal location and charging of electric vehicle with wind penetration	ICT for Electric Vehicle Integration with the Smart Grid	2019	IET	978-1785617621
2.	Dr. Sulabh Sachan	Deploying stochastic coordination of electric vehicles for V2G services with wind	ICT for Electric Vehicle Integration with the Smart Grid	2019	IET	978-1785617621
3.	Dr. D. D. Sharma	Robust Optimal Multi-Agent Based Distributed Control Scheme for Distributed Energy Storage System	Robust optimal planning and operation of electrical energy systems,	In press	Springer	
4.	Dr. D. D. Sharma	Z Source Network Topologies For Grid Connected Solar Pv System	Advanced Control and Optimization Paradigms for Energy System Operation and Management		River Publisher.	
5.	Dr. D. D. Sharma	BlockChain Technology for Multi- Microgrid management	Blockchain Energy Sector Management		Elsevier	

Publication of books (2010-2020)

Sr. No.	Name of Author with Co authors	Title	Yearly Publication	Publisher	ISBN No.	DOI No. if available
1	Ashish Kumar Sankwar	BASIC ELECTRICAL ENGINEERING	2018	SHARDA PUBLICATION	9788193541425	