

S.No	Name	Paper Title	Journal	Year
1.	Dr. Sudhir Sharma	Hardware implementation of wind turbine emulator and its integration with utility grid	Journal on Journal of Electrical Systems”, 2022 (indexed in Web of Sciences e-SCI, and Scopus)	2022
2.	Dr. Sudhir Sharma	A Hybrd swarm intelligence approach for resolving reactive power dispatch issues in power system: optical placement and sizing of UPFC	Journal in advances in Engineering software	2022
3.	Dr. Sudhir Sharma	Classification of biological signals and time domain feature extraction using capsule optimized auto encoder-electroencephalographic and electromyography	International journal of Adaptive control and signal processing	2022
4.	Dr. Sudhir Sharma	Technical Education fee structure reconsideration: A pressing priority to safeguard the technical education system of Punjab,	weekly journal of Higher Education	2022
5.	Dr. Sudhir Sharma	Optimum sizing and economic assessment of hybrid microgrid for domestic load under various scenario	International journal of Renewable Energy Research Indexed in Web of Science SCI, and Scopus	2021
6.	Dr. Sudhir Sharma	Design and analysis of a microgrid system for reliable rural electrification	Indexed in Web of Science SCI, and Scopus, online	2021
7.	Dr. Sudhir Sharma	Role of IoT and Machine learning in Smart Grid	Lecture Notes in Electrical Engineering (Presented, SCOPUS Indexed)	2021
8.	Dr. Sudhir Sharma	Performance evaluation of a standalone hybrid microgrid for a rural community using various dispatch strategies	Indexed in eSCI, and Scopus journal	2021
9.	Dr. Sudhir Sharma	Interpreting Skilled and Unskilled Tasks Using EEG Signals	Cognitive informatics and soft computing: proceeding of CISC	2021

10.	Dr. Sudhir Sharma	Performance evaluation of solar module with emulator and DC microgrid	Indexed in eSCI, and Scopus journal	2021
11.	Dr. Sudhir Sharma	Optimum Generation Scheduling Using PSO-GSA-Explore Optimization Algorithm	Compliance Engineering Journal	2020
12.	Dr. Sudhir Sharma	Techno-Economic Design and Evaluation of a small community based Microgrid	integrated intelligence enable Networks and computing (Scopus Indexed)	2020
13.	Dr. Sudhir Sharma	Impact of Integration of Wind Turbine on Dynamics of a Power System	MRCN	2020
14.	Dr. Sudhir Sharma	Techno-economic analysis of a microgrid for a small community	soft computing for intelligent systems, Algorithms for intelligent systems	2020
15.	Dr. Sudhir Sharma	MCUPQC Integrated with PV array for better power quality	22 nd Punjab science Congress held at DAVIET	2019
16.	Dr. Sudhir Sharma	An approach based on optimal tuning of fuzzy PID for improving MPPT control design of PV System	22 nd Punjab science Congress held at DAVIET	2019
17.	Dr. Sudhir Sharma	Suggestions to enhance execution of a sun-based PV framework	22 nd Punjab science Congress held at DAVIET	2019
18.	Dr. Sudhir Sharma	Maximum Power Point Tracking (MPPT) methods for Solar PV Generation-A Review	Journal of emerging Technologies and innovative research	2019
19.	Dr. Sudhir Sharma	Overview of Microgrid system	Fifth International Conference on Parallel, Distribution and Grid Computing (Scopus Indexed)	2018
20.	Dr. Sudhir Sharma	Incorporation of renewable distributed micro-generation technologies in power sector using Micro grids	International Conference on Computational Intelligence & IoT	2018

21.	Dr. Sudhir Sharma	A fuzzy-based combined MPPT technique for wind and solar system	International journal of electrical engineering & technology	2018
22.	Dr. Sudhir Sharma	Automatic Switching Control of a Hybrid Solar-Wind System Using Fuzzy Logic	International journal of electrical engineering & technology	2018
23.	Dr. Sudhir Sharma	Interline UPQC Connected With PV Array For Better Power Quality	International Journal of Electrical Engineering & Technology	2018
24.	Dr. Sudhir Sharma	An overview of FPGA Based Control Paradigm for Micro Grid Application	IEEE international conference on intensive computing and informatics	2017
25.	Dr. Sudhir Sharma	Speed Control and Performance Analysis of Synchronous Generators in a Wind Farm using Fuzzy Control System	International Interdisciplinary Conference on Science, Technology, Engineering, Management, Pharmacy and Humanities (IIC-STEMPH'17) at NTU Singapore	2017
26.	Dr. Sudhir Sharma	A Review on High Phase Order Transmission System over Three Phase Double Circuit Transmission System	International Interdisciplinary Conference on Science, Technology, Engineering, Management, Pharmacy and Humanities (IIC-STEMPH'17) at NTU Singapore	2017
27.	Dr. Sudhir Sharma	Power quality improvement of wind farm connected with using intelligent controlled UPQC	International Journal of Advanced and innovative research	2017
28.	Dr. Sudhir Sharma	Intelligent controlled UPQC for power quality improvement of grid supply connected with non-linear load	International Journal of Engineering Research and Applications	2017
29.	Dr. Sudhir Sharma	PSO algorithm-based loss minimization approach for optimal placement and sizing of renewable energy source	International journal for research in applied science and engineering technology	2017
30.	Dr. Sudhir Sharma	Recording of EEG pattern using indigenous circuit Eco Sensitive	Baba Banda Singh Bahadur Engineering College, Fatehgarh	2017

		Developments in Science and Technology		
31.	Dr. Sudhir Sharma	Photovoltaic-Hydro Hybrid system	3 rd National Congress on Science, Technology, Engineering Humanities and Management, Jalandhar	2016
32.	Dr. Sudhir Sharma	Review paper on Optimizing Hybrid wind/PV/ Diesel generator system	3 rd National Congress on Science, Technology, Engineering Humanities and Management, Jalandhar	2016
33.	Dr. Sudhir Sharma	Hybridizing GWO with PSO/GSA for solving Global Optimization with ELD Problem	International Journal of science Technology and Engineering	2016
34.	Dr. Sudhir Sharma	Optimizing Hybrid Wind/Diesel Generator System Using BAT Algorithm	International Journal of Engineering Research and Applications	2016
35.	Dr. Sudhir Sharma	Optimizing transmission parameters of digital terrestrial TV transmitter for reception on mobile phones, PDA	3 rd National Congress on Science, Technology, Engineering Humanities and Management, Jalandhar	2016
36.	Dr. Sudhir Sharma	Grid Connected Vs Standalone Photovoltaic/Diesel/Battery Hybrid System- A Brief Review	3 rd National Congress on Science, Technology, Engineering Humanities and Management, Jalandhar	2016
37.	Dr. Sudhir Sharma	Estimating the Bio-Mass Potential- Roopnagar, Punjab	International journal of Advanced Research Trends in Engineering and Technology	2015
38.	Dr. Sudhir Sharma	An Approach for Measurement of Non-Technical losses of 11KV feeder and its Minimization	Journal of Engineering Research and Applications	2015
39.	Dr. Sudhir Sharma	Grey Wolf Optimization For Solving Non-Convex Economic Load Dispatch	International Journal of Engineering Research-Online	2015
40.	Dr. Sudhir Sharma	Multi Objective Economic Load dispatch using grey Wolf optimization	International Journal of Electrical Power & Energy Systems communicated	2015
41.	Dr. Sudhir Sharma	Weight Pattern Based Cuckoo Search for Unit Commitment Problem	International Journal of Research in Advent Technology	2015

42.	Dr. Sudhir Sharma	Economic Load Dispatch Using Grey Wolf Optimization	International Journal of Engineering Research and Applications	2015
43.	Dr. Sudhir Sharma	Control of Induction Motor Fed from Solar Photovoltaic Array	European Journal of Advances in Engineering and Technology	2015
44.	Dr. Sudhir Sharma	Minimization of Power Loss & Improvement in Voltage Profile of 11kV Feeder	Transactions on Engineering and Sciences	2015
45.	Dr. Sudhir Sharma	Reduction in Total harmonics Distortion Reduction Using Active Power Filters	International Journal of Research in Advent Technology	2014
46.	Dr. Sudhir Sharma	Control of Power Distribution Losses Through Good Quality Distribution Transformers	International Journal of Engineering and Innovative Technology	2013
47.	Dr. Sudhir Sharma	Flicker contribution of Induction generators in wind energy Conversion systems	Journal of Electrical Engineering	2013
48.	Dr. Sudhir Sharma	Power quality improvement in wind-diesel hybrid generation using bacteria foraging optimization technique	International Journal of Energy Engineering	2012
49.	Dr. Sudhir Sharma	Power Quality Issues of Induction Generators in Different Operating Modes	International Journal of Energy Engineering	2012
50.	Dr. Sudhir Sharma	Effect of Magnetization Curves on Power Quality of Induction Generator Operating in Self Excited Mode	International Journal of Science and Advanced Technology	2011
51.	Dr. Sudhir Sharma	Effect of Machine Parameters on Starting Transients of Grid Connected Induction Generators used in Wind Farms	International Journal of Computer Applications	2011
52.	Dr. Sudhir Sharma	Effects on Major Power Quality Issues Due to Incoming Induction Generators in Power System	ARNP Journal of Engineering and Applied Sciences	2010

53.	Dr. Sudhir Sharma	Induction Generator Parameters Effecting Power Quality: An Exposition	International Journal of Electronics and Electrical Engineering	2010
54.	Dr. Sudhir Sharma	Power Quality Issues From Wind Generation Using Induction Generators – A Statistical Review	ICMET 2010	2010
55.	Dr. Sudhir Sharma	Role of Reactive Power Source on Power Quality of Three-Phase Self-Excited Induction Generator	WSEAS Transactions on Power Systems	2008
56.	Dr. Sudhir Sharma	Selection of Reactive Power Source for a three-Phase Self-Excited Induction Generator	WSEAS International Conference MMF'08, Harvard, Massachusetts	2008
57.	Dr. Sudhir Sharma	Power Quality Issues in Wind Electrical Generation-A Prospective	Proc. of the 10th Punjab Science Congress at DAVIET	2007
58.	Dr. Sudhir Sharma	Impact of Harmonics in Electrical Distribution Systems	International conference on Energy and Environmental Technologies for Sustainable Development (ICEET 2003)	2003
59.	Dr. Sudhir Sharma	Effect of Harmonics on Power Quality	National Conference on Power System & Energy Management psem-2003	2003
60.	Dr. Chintu Rza	Maximum Power Point Tracking (MPPT) methods for Solar PV Generation-A Review	Journal of emerging Technologies and innovative research	2019
61.	Dr. Chintu Rza	MCUPQC Integrated with PV array for better power quality	22 nd Punjab science Congress held at DAVIET	2019
62.	Dr. Chintu Rza	An approach based on optimal tuning of fuzzy PID for improving MPPT control design of PV System	22 nd Punjab science Congress held at DAVIET	2019
63.	Dr. Chintu Rza	Suggestions to enhance execution of a sun-based PV framework	22 nd Punjab science Congress held at DAVIET	2019

64.	Dr. Chintu Rza	Interline UPQC Connected With PV Array For Better Power Quality	International Journal of Electrical Engineering & Technology	2018
65.	Dr. Chintu Rza	Intelligent controlled UPQC for power quality improvement of grid supply connected with non-linear load	International Journal of Engineering Research and Applications	2017
66.	Dr. Chintu Rza	PSO algorithm-based loss minimization approach for optimal placement and sizing of renewable energy source	International journal for research in applied science and engineering technology	2017
67.	Dr. Chintu Rza	Photovoltaic- Hydro Hybrid system	3 rd National Congress on Science, Technology, Engineering Humanities and Management, Jalandhar	2016
68.	Dr. Chintu Rza	Grid Connected Vs Standalone Photovoltaic/Diesel/Battery Hybrid System- A Brief Review	3 rd National Congress on Science, Technology, Engineering Humanities and Management, Jalandhar	2016
69.	Dr. Chintu Rza	Estimating the Bio-Mass Potential- Roopnagar, Punjab	International journal of Advanced Research Trends in Engineering and Technology	2015
70.	Dr. Chintu Rza	Transient Stability Enhancement of SMIB System with Phase Shifter Mode of UPFC	International Journal of Science and Engineering	2015
71.	Dr. Chintu Rza	Impact Of Different Types Of Governors/Exciters On Transient Stability	IJREAT International Journal of Research in Engineering & Advanced Technology	2015
72.	Dr. Chintu Rza	Transient Stability Improvement of SMIB System using Line Impedance Compensation Mode of UPFC	Transactions on Engineering and Sciences	2015
73.	Dr. Chintu Rza	Improvement in Power Capacity by Simultaneous HVAC-HVDC Transmission System	International Journal of Engineering and Innovative Technology (IJEIT)	2015

74.	Dr. Chintu Rza	Design A Tracking Controller for Single Manipulator via DSC	International Journal of Research in Advent Technology	2014
75.	Dr. Chintu Rza	DSC design for Synchronization And Anti-Synchronization of Arneodo Chaotic System	International Journal of Research in Advent Technology	2014
76.	Dr. Chintu Rza	Improvement of Power Flow and Transient behavior of a Two Machine Power System Using SSSC	International Journal of Research in Advent Technology	2014
77.	Dr. Chintu Rza	A New method for differential protection in Power transformer	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)	2014
78.	Dr. Chintu Rza	Transient Stability Enhancement using Robust FACTS Controllers-A Brief Tour	Canadian Journal on Electrical & Electronics Engineering	2010
79.	Ms. Shivani Mehta	Cost effective memetic optical approach for solution of economic load dispatch problem in realistic power system	International conference on futuristic trends in networks and computing Technologies	2021
80.	Ms. Shivani Mehta	Memetic Optimal Approach for Economic Load Dispatch Problem with Renewable Energy Source in Realistic Power System	Published in :- Applications of artificial intelligence and Machine learning	2021
81.	Ms. Shivani Mehta	Modelling for optimal load dispatch of integrated renewable energy source/BESS/electric vehicle charging station	International Conference	2020
82.	Ms. Shivani Mehta	Optimum Generation Scheduling Using PSO-GSA-Explore Optimization Algorithm	Compliance Engineering Journal	2020
83.	Ms. Shivani Mehta	Harris hawks optimization for solving optimum load dispatch problem in power system	International journal of Engineering	2019

84.	Ms. Shivani Mehta	Power quality improvement of wind farm connected with using intelligent controlled UPQC	International Journal of Advanced and innovative research	2017
85.	Ms. Shivani Mehta	Intelligent controlled UPQC for power quality improvement of grid supply connected with non-linear load	International Journal of Engineering Research and Applications	2017
86.	Ms. Shivani Mehta	Speed Control and Performance Analysis of Synchronous Generators in a Wind Farm using Fuzzy Control System	International Interdisciplinary Conference on Science, Technology, Engineering	2017
87.	Ms. Shivani Mehta	A Review on High Phase Order Transmission System over Three Phase Double Circuit Transmission System	International Interdisciplinary Conference on Science, Technology, Engineering	2017
88.	Ms. Shivani Mehta	Hybridizing GWO with PSO/GSA for solving Global Optimization with ELD Problem	International Journal of science Technology and Engineering	2016
89.	Ms. Shivani Mehta	Optimizing Hybrid Wind/Diesel Generator System Using BAT Algorithm	International Journal of Engineering Research and Applications	2016
90.	Ms. Shivani Mehta	Review paper on Optimizing Hybrid wind/PV/ Diesel generator system	3 rd National Congress on Science, Technology, Engineering Humanities and Management, Jalandhar	2016
91.	Ms. Shivani Mehta	Pollination Based Optimization for Economic Load Dispatch Problem	International Journal of Research in Advent Technology	2015
92.	Ms. Shivani Mehta	Optimal Load Dispatch Using Ant Lion Optimization	Int. Journal of Engineering Research and Applications	2015
93.	Ms. Shivani Mehta	Economic Load Dispatch Using Grey Wolf Optimization	Int. Journal of Engineering Research and Applications	2015
94.	Ms. Shivani Mehta	Grey Wolf Optimization For Solving Non-Convex Economic Load Dispatch	Int. Journal of Engineering Research and Applications	2015

95.	Ms. Shivani Mehta	Weight Pattern Based Cuckoo Search for Unit Commitment Problem	International Journal of Research in Advent Technology	2015
96.	Ms. Shivani Mehta	Impact of Different Types Of Governors/Exciters On Transient Stability	International Journal of Research in Engineering & Advanced Technology	2015
97.	Ms. Shivani Mehta	Improvement of Power Flow and Transient behavior of a Two Machine Power System Using SSSC	International Journal of Research in Advent Technology	2014
98.	Ms. Shivani Mehta	A Hybrid Firefly-DE Algorithm For Economic Load Dispatch	International Journal of Research in Advent Technology	2014
99.	Ms. Shivani Mehta	Solution of Economic Load Dispatch Problem using Gravitational Search Algorithm with Valve Point Loading	International Journal of Engineering Research & Technology (IJERT)	2014
100.	Ms. Shivani Mehta	Economic load dispatch problem using Heuristic gravitational search algorithm	International Journal For Research In Applied Science And Engineering Technology	2014
101.	Ms. Shivani Mehta	DSC Design For Synchronization And Anti-Synchronization of Arneodo Chaotic System	International Journal For Research In Applied Science And Engineering Technology	2014
102.	Ms. Shivani Mehta	Design a tracking controller for single link manipulator via DSC	International Journal of Research in Advent Technology	2014
103.	Mr. Baljeet Singh	MPA-SA: Hybrid marine predators' algorithm with simulated annealing for optimization problems	Compliance Engineering Journal	2021
104.	Mr. Baljeet Singh	Optimal Control of DC motor using equilibrium optimization algorithm	Internal journal of engineering	2020
105.	Mr. Baljeet Singh	Sensorless direct torque control of permanent magnet synchronous machine using buck boost converter	IJRSET	2018
106.	Mr. Baljeet Singh	Suppression of low frequency oscillations using hybrid optimization techniques	IJRAT	2015

107.	Mr.Baljeet Singh	A modified firefly algorithm based MPPT for multi junction Photovoltaic arrays	IJSHRE	2015
108.	Mr.Baljeet Singh	Efficiency assessment using natural gas micro turbine for cogeneration plant in textile mill	IJSETT	2015
109.	Baljit Singh	Power upgrading of transmission line by converting EHVAC into EHVDC	IJSETT	2012
110.	Mr.Mani Bansal	MPA-SA: Hybrid marine predators' algorithm with simulated annealing for optimization problems	Compliance Engineering Journal	2021
111.	Mr. Gagadeep	Harris hawks optimization for solving optimum load dispatch problem in power system	International journal of Engineering	2019