

EEE Publication Details CAY (2023-24)

Research Papers in Journals/Conferences/Book-Chapter (August 2023-July2024)						
<u>S.No.</u>	Faculty Name	Title	Journal/Conference/Book	ISSN/DOI	Indexing	Publication date
1	Sheersh Garg	Exploring the Integration of Cyber-Physical Systems and IoT in Smart Grid Technologies	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
2	Neelam Kassarwani	Exploring the Integration of Cyber-Physical Systems and IoT in Smart Grid Technologies	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
3	Neelu Nagpal	Exploring the Integration of Cyber-Physical Systems and IoT in Smart Grid Technologies	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
4	Udayan Kumar Jha	Design and Analysis of a Solar Energy Based Cogeneration System with Improved Efficiency for Household Applications	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
5	Neelu Nagpal	Design and Analysis of a Solar Energy Based Cogeneration System with Improved Efficiency for Household Applications	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
6	Neelu Nagpal	Harnessing Solar Energy for Sustainable Water Pumping Systems: Challenges and Opportunities	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
7	Udayan Kumar Jha	Harnessing Solar Energy for Sustainable Water	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication

Research Papers in Journals/Conferences/Book-Chapter (August 2023-July2024)						
		Pumping Systems: Challenges and Opportunities				
8	Neelu Nagpal	Brief Information of Biogas production Technologies	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
9	Rajveer Mittal	Brief Information of Biogas production Technologies	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
10	Satvir Singh Deswal	Initial Design Procedure for Electric Two-Wheeler Retrofitting Using Internal Combustion Drive Cycles	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
11	Neelu Nagpal	Initial Design Procedure for Electric Two-Wheeler Retrofitting Using Internal Combustion Drive Cycles	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
12	Udayan Kumar Jha	Classification and Location of Cable Fault in Underground Cable	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
13	Neelu Nagpal	Classification and Location of Cable Fault in Underground Cable	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
14	Neelam Kassarwani	Classification and Location of Cable Fault in Underground Cable	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
15	Ravi Sharma	Comparative Performance Study of Dynamic Voltage Restorer Employing Various Conventional Control Approaches	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication

Research Papers in Journals/Conferences/Book-Chapter (August 2023-July2024)						
16	Neelu Nagpal	Comparative Performance Study of Dynamic Voltage Restorer Employing Various Conventional Control Approaches	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
17	Neelam Kassarwani	Comparative Performance Study of Dynamic Voltage Restorer Employing Various Conventional Control Approaches	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
18	Neelu Nagpal	A Simulation Study for Power System Analysis in 200/66kV Substation using ETAP	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
19	Neelam Kassarwani	A Simulation Study for Power System Analysis in 200/66kV Substation using ETAP	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
20	Neelam Kassarwani	The Utilization of AI in Renewable Energy Systems	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
21	Neelu Nagpal	The Utilization of AI in Renewable Energy Systems	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
22	Neelu Nagpal	Comparative Analysis of Short-Term Load Forecasting Techniques: Conventional Deep Learning Models vs. Proposed LSTM with Attention Layers	5th International Conference on Recent Developments in Control, Automation & Power Engineering (RDCAPE-2023), Springer	<u>Accepted</u>	Scopus	Under publication
23	Monika Bhardwaj	Automatic Solar Panel Cleaning System for Dust and Dirt Removal	Springer Conference, 5th Electric Power and Renewable ENergy	<u>Accepted</u>	Scopus	Under publication

Research Papers in Journals/Conferences/Book-Chapter (August 2023-July2024)						
			Conference (EPREC 2024)			
24	Neelu Nagpal	Optimized Integral Sliding Mode Load Frequency Control of an Isolated Power System	International Conference on Renewable Power 2023	10.1007/978-981-99-6749-0_49	Scopus	January 2024
25	Neha Aggarwal	Machine Learning Algorithms to diagnose Parkinson's disease using Vocal Data	Sigmaa-2023 in Advances in Intelligent Systems and Computing Series, Springer	<u>Accepted</u>	Scopus	Under publication
26	Neelu Nagpal	Machine Learning Algorithms to diagnose Parkinson's disease using Vocal Data	Sigmaa-2023 in Advances in Intelligent Systems and Computing Series, Springer	<u>Accepted</u>	Scopus	Under publication
27	Neelam Kassarwani	Machine Learning Algorithms to diagnose Parkinson's disease using Vocal Data	Sigmaa-2023 in Advances in Intelligent Systems and Computing Series, Springer	<u>Accepted</u>	Scopus	Under publication
28	Neha Aggarwal	Simultaneous Dynamic State Estimation and Fault Data Detection in Frequency Control Loop of Interconnected Multi-area Power Systems	Sigmaa-2023 in Advances in Intelligent Systems and Computing Series, Springer	<u>Accepted</u>	Scopus	Under publication
29	Neelu Nagpal	Simultaneous Dynamic State Estimation and Fault Data	Sigmaa-2023 in Advances in Intelligent Systems and	<u>Accepted</u>	Scopus	Under publication

Research Papers in Journals/Conferences/Book-Chapter (August 2023-July2024)						
		Detection in Frequency Control Loop of Interconnected Multi-area Power Systems	Computing Series, Springer			
30	Chanderkesh Shukla	Smart Metering with GSM-based Theft Detection	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
31	Chanderkesh Shukla	Smart Grid Enabled Fault Diagnosis of AC Electric Drives Using Machine Learning	International Conference of Renewable Power 2024, Springer	<u>Accepted</u>	Scopus	Under publication
32	Lalit Aggarwal	Image Forgery Detection System using passive techniques	Sigmaa-2023 in Advances in Intelligent Systems and Computing Series, Springer	<u>Accepted</u>	Scopus	Under publication
33	Lalit Aggarwa	A Device to Develop Depth Map using Principles of Stereoscopic Vision	Sigmaa-2023 in Advances in Intelligent Systems and Computing Series, Springer	<u>Accepted</u>	Scopus	Under publication
34	Lalit Aggarwa	GUI Based Diabetes Prediction Using Pipeline	Sigmaa-2023 in Advances in Intelligent Systems and Computing Series, Springer	<u>Accepted</u>	Scopus	Under publication
35	Poonam Juneja	A Novel Approach for Reliability and Sensitivity Characterization of Phasor Measurement Unit	Sigmaa-2023 in Advances in Intelligent Systems and Computing Series, Springer	<u>Accepted</u>	Scopus	Under publication
36	Supriya Sharma	An Insight into the Advancement of Electricity Islands	Sigmaa-2023 in Advances in Intelligent Systems and Computing Series, Springer	<u>Accepted</u>	Scopus	Under publication

Research Papers in Journals/Conferences/Book-Chapter (August 2023-July2024)						
37	Neelu Nagpal	A Comprehensive Review on Artificial Intelligence and Blockchain Technologies for Electric Vehicle Charging Ecosystems	IGI Global	10.4018/979-8-3693-2611-4.ch013	March, 2024	Neelu Nagpal
38	Supriya Sharma	Women and Child Security System	International Research Journal of Engineering and Technology (IRJET)	IRJET-V11I322.pdf	Google Scholar	March 24
39	Supriya Sharma	Smart Vending Machine	2 nd International Conference on Emerging Applications of Artificial Intelligence, Machine learning and Cybersecurity	<u>Accepted</u>	Scopus	May 24
40	Poonam Juneja	Design and Development of Air Quality Monitoring System	2 nd International Conference on Emerging Applications of Artificial Intelligence, Machine learning and Cybersecurity	<u>Accepted</u>	Scopus	May 24
41	Poonam Juneja	Solar Wireless Electric Vehicle Charging	2 nd International Conference on Emerging Applications of Artificial Intelligence, Machine learning and Cybersecurity	<u>Accepted</u>	Scopus	May 24

Research Papers in Journals/Conferences/Book-Chapter (August 2023-July2024)						
42	Shashibala Aggarwal	Real time Data Acquisition of Solar Panel Data using Arduino	International Conference on Emerging Applications of Artificial Intelligence, Machine Learning and Cybersecurity ICAMC 202	Accepted	-	Under Publication
43	Neelu Nagpal	Noisy and non-stationary power quality disturbance classification based on adaptive segmentation empirical wavelet transform and support vector machine	Computer and Electrical Engineering, Elsevier, 118, 109346,	doi: 101016//j.compeleceng.2024	SCI	June2024
44	Neelu Nagpal	Computational Material Science for Cheminformatics Feature Descriptive Language (CFDL) with Categorical Data	Sustainable Materials The Role of Artificial Intelligence, CRC and Machine Learning, CRC Press	ISBN 9781032568522	Applied for Scopus Indexing	Reflecting Online under publication
45	Neelu Nagpal	Dynamic State Estimation for Improving Observation and Resiliency of Interconnected Power Systems	IEEE Transactions on Industry Application Society	10.1109/TIA.2023.3316646	SCI	April 2024
46	Neha Aggarwal	Frequency control enhancement of an islanded microgrid using disturbance-observer-based approach	International Journal of Electronics, Taylor & Francis	10.1080/00207217.2024.2312555	SCI	February 2024
47	Neelu Nagpal	Frequency control enhancement of an islanded microgrid using disturbance-observer-based approach, International Journal of Electronics,	International Journal of Electronics, Taylor & Francis	10.1080/00207217.2024.2312555	SCI	February 2024

Research Papers in Journals/Conferences/Book-Chapter (August 2023-July2024)						
48	Satvir Singh Deswal	Modeling and Simulation Characteristics of a Highly-Sensitive Stack-Engineered Junctionless Accumulation Nanowire FET for PH3 Gas Detector	ECS Journal of Solid State Science and Technology	10.1149/2162-8777/ad26a2	Web of Science(SCI E)	February 2024
49	Jitender Kumar	Design of Low Power Analog/RF Signal Processing Circuits Using 22 nm Silicon-on-Insulator Schottky Barrier Nano-Wire MOSFET	International Journal of High Speed Electronics and Systems	10.1142/S0129156424500034	SCI	January 2024
50	Satvir Singh Deswal	Design of Low Power Analog/RF Signal Processing Circuits Using 22 nm Silicon-on-Insulator Schottky Barrier Nano-Wire MOSFET	International Journal of High Speed Electronics and Systems	10.1142/S0129156424500034	SCI	January 2024
51	Jitender Kumar	RF and linearity parameters analysis of 20 nm gate-all-around gate-stacked junction-less accumulation mode MOSFET for low power circuit applications	Microsystem Technology, Springer	10.1007/s00542-023-05590-y	SCI	January 2024
52	Satvir Singh Deswal	RF and linearity parameters analysis of 20 nm gate-all-around gate-stacked junction-less accumulation mode MOSFET for low power circuit applications	Microsystem Technology, Springer	10.1007/s00542-023-05590-y	SCI	January 2024
53	Neelu Nagpal	Design & Development of a Solar-Based Wireless Electric Vehicle Charging System	Lecture Notes in Electrical Engineering, vol. 1086, Springer, Singapore.	978-981-99-6749-0	Scopus	January 2024
54	Neha Aggarwal	Revisiting the literature on smart education: A	International Symposium on Smart Cities Challenges,	Accepted	Scopus	January 2024

Research Papers in Journals/Conferences/Book-Chapter (August 2023-July2024)						
		bibliometric and content analysis	Technologies and Trends (SCCTT-2023)			
55	Neha Aggarwal	Predatory Loan Mobile Apps in India: A new form of cyber psychological manipulation	8th International Conference on Information System Design & Intelligent Applications 2024	Accepted	Scopus	January 2024
56	Ravi Sharma	Design & Development of a Solar-Based Wireless Electric Vehicle Charging System	Lecture Notes in Electrical Engineering, vol. 1086, Springer, Singapore.	978-981-99-6749-0	Scopus	January 2024
57	Neelam Kassarwani	Optimized Integral Sliding Mode Load Frequency Control of an Isolated Power System	International Conference on Renewable Power 2023, Springer Publisher	10.1007/978-981-99-6749-0_49	Scopus	January 2024
58	Neelu Nagpal	Power quality disturbance signal segmentation and classification based on modified BI-LSTM with double attention mechanism	IET Generation Transmission & Distribution	https://doi.org/10.1049/gtd2.13065	SCIE	December 2023
59	Neelu Nagpal	Short-Term Electricity Load Forecasting Using Modified Hidden Markov Model	Lecture Notes in Electrical Engineering, vol 1086, Springer, Singapore.	978-981-99-6749-0	Scopus	December 2023
60	Neelam Kassarwani	Short-Term Electricity Load Forecasting Using Modified Hidden Markov Model	Lecture Notes in Electrical Engineering, vol 1086, Springer, Singapore.	978-981-99-6749-0	Scopus	December 2023
61	Satvir Singh Deswal	Physics based numerical model of a nanoscale dielectric modulated step graded germanium source	Physica Scripta	10.1088/1402-4896/acf4c9	Scopus	October 2023

Research Papers in Journals/Conferences/Book-Chapter (August 2023-July2024)						
		biotube FET sensor: modelling and simulation				
62	Neelu Nagpal	Comparative Study on Forecasting of Schedule Generation in Delhi Region for the Resilient Power Grid Using Machine Learning	IEEE Transactions on Industry Application Society	10.1109/TIA.2023.3316646	SCI	September 2023
63	Neelam Kassarwani	Comparative Study on Forecasting of Schedule Generation in Delhi Region for the Resilient Power Grid Using Machine Learning	IEEE Transactions on Industry Application Society	10.1109/TIA.2023.3316646	SCI	September 2023
64	Satvir Singh Deswal	Extraction of non-quasi-static model parameters for cylindrical gate-stacked junction-less accumulation mode MOSFET and its implementation as RF filters for circuit applications.	Microsyst Technologies, Springer Nature	10.1007/s00542-023-05524-8	SCI	August 2023
65	Jitender Lather	Extraction of non-quasi-static model parameters for cylindrical gate-stacked junction-less accumulation mode MOSFET and its implementation as RF filters for circuit applications.	Microsyst Technologies, Springer Nature	10.1007/s00542-023-05524-8	SCI	August 2023
66	Satvir Singh Deswal	Ge/Si interfaced label free nanowire BIOFET for biomolecules detection-analytical analysis, Volume 138, August 2023, 105832	Microelectronics Journal, Elsevier	10.1016/j.mejo.2023.105832	SCIE, Scopus	August 2023