



PUBLICATION DETAILS

Papers published in last Nine years:

International Journals	International Conferences
65	97

Journal Publications: 2025

1. Subhash Yadav and Pradeep Kumar and Ashwani Kumar, " Excess energy management and techno-economic analysis of optimal designed isolated microgrid with reliability and environmental aspects", Journal of *Energy Conversion and Management*, vol. 333, pp. 119772, 2025, issn: 0196-8904, doi: <https://doi.org/10.1016/j.enconman.2025.119772>.
2. Abhishek Kumar Singh, Ashwani Kumar, "Optimal deployment of reactive power in a renewable energy source integrated system with EVs demand using local randomized neural networks", Journal of *Renewable Energy Focus*, Vol. 54, pp. 100719, issn: 1755-0084, doi: <https://www.sciencedirect.com/science/article/pii/S1755008425000419>.
3. Prashant, Gaurav Jain, *et al.*, "Design and Implementation of a Dual-Axis Solar Tracking System with IoT-Enhanced Monitoring Using Arduino", International Journal of Experimental Research and Review, Vol. 43, pp. 107-118, Sep, 2025.
4. Mittal, U., Kaushal, G., Gupta, A., Lokesh, Abhishek, Yadav, S. (2025). PLC-SCADA-Based Automation System for Remote and Sensitive Areas. In: Singh, H.P., Aris, I.B., Siddiqui, A.S. (eds) Recent Developments in Control, Automation and Power Engineering. RDCAPE 2023. Lecture Notes in Electrical Engineering, vol 1303. Springer, Singapore. https://doi.org/10.1007/978-981-96-0047-2_16.
5. Soumyajit Chandra, Soumya Pandit, Arpita Roy, Safia Obaidur Rab, Amit Kumar Roy, "Bioenergy recovery from jackfruit waste via biohydrogen production through dark fermentation and power generation through stacked microbial fuel cells", International Journal of Hydrogen Energy, vol. 102, pp. 845-855, 2025, issn: 0360-3199, doi: <https://doi.org/10.1016/j.ijhydene.2025.01.044>.

Conference Publications: 2025

1. Nirmal Kumar Agarwal, R. Kumar, K. M P, H. Yadav, P. Varshney and P. Kumar, "Mathematical Modeling and Speed Control of Brushless DC (BLDC) Motor using PID Controllers for the Systems Sustainability," *2024 1st International Conference on Sustainability and Technological Advancements in Engineering Domain (SUSTAINED)*, Faridabad, India, 2024, pp. 143-148, doi: 10.1109/SUSTAINED63638.2024.11074008.

Journal Publications: 2024

6. E. M. Ar-Reyouchi, Gunjan Varshney, *et al.*, "A Perfect Challenge to Select the Ideal Virus Vaccine Using a New Potent Hierarchical Algorithm in a Smart Laboratory," in *IEEE Access*, vol. 11, pp. 79890-79910, 2023, doi: 10.1109/ACCESS.2023.3295329.
7. Yashwanth Nanjappa, Vinay kumar Nassa, Gujan Varshney, *et al.*, "Improving migration forecasting for transitory foreign tourists using an Ensemble DNN-LSTM model", *Entertainment Computing*, Elsevier-Volume 50, May 2024, doi: <https://doi.org/10.1016/j.entcom.2024.100665>.

Journal Publications: 2023

8. Sudhir Kumar Singh, Rajveer Singh, Haroon Ashfaq, Sanjeev Kumar Sharma, Sourav Diwania, Gulshan Sharma, "Enhanced Protection Coordination for Inverter Interfaced Distributed Generation (IIDG) with a Robust Multi-Loop Controller," *Journal of Electric Power Components and Systems*: Taylor and Francis, ISSN: 1532-5016, vol. 51, Issue 9, Mar. 2023. DOI: 10.1080/15325008.2023.2185833. DOI: 10.1080/15325008.2023.2185833.
9. Abhinav Saxena, Mohd. Majid, Love Goel, Ashish Kumar Srivastava, Gyanendra Kumar Singh, Rajesh Verma, Javed Khan Bhutto, Hany S. Hussein, 'Firefly Algorithm and Neural Network Employment for Dilution Analysis of Super Duplex Stainless Steel Clads over AISI 1020 Steel Using Gas Tungsten Arc Process', *MDPI Coatings*, Vol.13, no.5, issue:841, pp.1-24, ISSN: 2079-6412, 27-April, 2023, SCI, Impact factor:3.4
10. Abhinav Saxena, Prashant, Amit Dash, Rahul Virmani, Nitya 'Design of LQR based FLC for the optimal regenerative braking controlling of solar PV based electric vehicle system', *IETE Journal of Research*, Taylor and Francis, SCI, Impact

factor:1.877, feb 2023, <https://doi.org/10.1080/03772063.2023.2171916>, ISSN no.: 0377-2063.

11. Abhinav Saxena, Rajat Kumar, Jay Singh, Gyanendra Kumar Singh, Sampath Kumar, J P Pandey, 'An Invasive Weed Optimization For Sensor Less Control of Grid Integrated Wind Driven Doubly Fed Induction Generator', IEEE Access, SCI Journal, Impact factor:3.9, Vol.10, pp:109082-109096, Date of Publication: 12/10/ 2022, DOI: 10.1109/ACCESS.2022.3213982, ISBN: 2169-3536.
12. Abhinav Saxena, G S singh, Abul kalam, A.Q Ansari, 'Different Faults Identification & Categorization in Power System Network using fuzzy logic controller', Journal of Electrical Engineering & Technology, Impact factor:1.9, SCI Journal, (Accepted), 2022. ISSN no. 2093-7423.
13. Prashant, M. Sarwar, A. S. Siddiqui, S. S. M. Ghoneim, K. Mahmoud and M. M. F. Darwish, "Effective Transmission Congestion Management via Optimal DG Capacity Using Hybrid Swarm Optimization for Contemporary Power System Operations," in IEEE Access (SCIE), ISSN: 2169-3536, vol. 10, pp. 71091-71106, 1st July, 2022, doi: 10.1109/ACCESS.2022.3187723..
14. Abhinav Saxena, Prashant, A.K Dash, Rahul Virmani, N. Srivastava, P. Ranjan "Design of LQR-based FLC for the Optimal Regenerative Braking Controlling of Solar PV-based Electric Vehicle System", IETE Journal of Research (SCIE), Taylor & Francis publications, 9th Feb, 2023, <https://doi.org/10.1080/03772063.2023.2171916>.
15. Prashant, Anwar Shahzad Siddiqui, "A Comprehensive Review on Various FACTS Devices and Application of Different AI Techniques In Their Operations For Progressive Electric Power System Operations", International Journal of Computing and Digital Systems (ISSN: 2210-142X), (Scopus-journal), vol.12(1), pp-767-780, 30th Sep, 2022, <https://dx.doi.org/10.12785/ijcds/120163>.
16. Prashant, A.S Siddiqui, Md. Sarwar, "An Optimum GA based solution for Economic Load Dispatch for Clean Energy, Proceedings of Springer- 3rd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication, ISBN:978-981-19-2828-4, doi : 10.1007/978-981-19-2828-4 .[Published as book chapter in springer book series LNEE scopus indexed , 18 Sept, 2022].
17. Prashant, A. Saxena, Jay Singh, Amit Kumar Sharma and Nitin Kumar Pal " Design of Buck Converter with Modified P&O Algorithm Based fuzzy logic controller for solar charge controller for efficient MPPT", Proceedings of Springer -International

Conference on Intelligent Computing and Security: A Paradigm Shift, ISBN-978-981-19-8136-4, Published as book chapter in springer book series LNEE scopus indexed 2 April, 2023].

18. Abhinav Saxena, Rajat, Jai singh, G Singh, ' Abnormal health monitoring and assessment of three phase induction motor by using supervised CNN-RNN based machine learning algorithm', Mathematical Problems in Engineering, Hindawi, Impact factor: 1.430, SCI Journal, Vol. 2023 30 Jan 2023, Special Issue, doi: <https://doi.org/10.1155/2023/1264345>, ISSN No. 1563-5147.
19. Abhinav Saxena, Rajat Kumar, Mohammad Amir, S.M. Muyeen, 'Maximum power extraction from solar PV systems using intelligent based soft computing strategies: A critical review and comprehensive performance analysis, HELIYON, Science direct (elsevier) SCI, Impact factor: 4.0, 16 Nov. 2023, doi: <https://doi.org/10.1016/j.heliyon.2023.e22417>.
20. Abhinav Saxena; Aseem Chandel; Amit Kumar Dash; Shailendra Kumar Gupta; Sampath Kumar V; J. P. Pandey., ' An effective optimal economic sustainable clean energy solution with reduced carbon capturing/carbon utilization/ carbon footprint for grid integrated hybrid system" IEEE Transactions on Sustainable Computing, SCI, Impact factor: 3.9, Volume: 8, Issue: 3, pp: 385-399, ISSN: 2377-3782, 01 July-Sept. 2023, doi: 10.1109/TS USC.2023.3262982, URL: <https://ieeexplore.ieee.org/document/10086645>.
21. Abhinav, Anuradha, Amit, Sajid, ' A novel strategic design & optimal controlling of linear quadratic regulator for electric vehicle', Journal of The Institution of Engineers (India): Series B, scopus journal, ISSN No. 2250-2114, date: 22/11/2023, <https://doi.org/10.1007/s40031-023-00943-7>, ISSN No. 2250-2106
22. Subhash Yadav, Pradeep Kumar, Ashwani Kumar, "Grey Wolf Optimization Based Optimal Isolated Microgrid with Battery and Pumped Hydro as Double Storage to Limit Excess Energy", Journal of energy storage, vol. 74, p. 109440, 2023, SCI, Impact factor: 9.4, <http://doi:10.1016/j.est.2023.109440>.
23. Subhash Yadav, Pradeep Kumar, Ashwani Kumar, "Techno-economic and Sensitivity Analysis of Standalone Hybrid Energy System using HOMER Software: A Case Study of Kanur Village in India", Proceedings of 2nd International Conference on Smart Grid Energy Systems and Control (SGESC-2023), Lecture Notes in Electrical Engineering, vol 1099, Published as a book chapter in Decarbonisation and Digitization of the Energy System, Springer, ISBN: 978-981-99-7629-4. https://doi.org/10.1007/978-981-99-7630-0_21

24. Réda Yahiaoui El Miloud Ar-Reyouchi , Gunjan Varshney, Kamal Ghoumid, Fabien Picaud, Guillaume Herlem, Ahmed Mostefaoui “A Perfect Challenge to Select the Ideal Virus Vaccine Using a New Potent Hierarchical Algorithm in a Smart Laboratory” in IEEE Access, Vol 11, 2023 (SCI Indexed Journal), DOI: <https://doi.org/10.1109/ACCESS.2023.3295329>.
25. Gunjan Varshney, Udit Mittal, MP Kishore, Ujjawal Saxena, “Design, implementation and performance assessment of a low-cost dual-axis solar tracker”, in Journal of Physics: Conference Series, Vol.2570, Issue-1, Pg.no. 012005, Aug.2023. DOI: 10.1088/1742-6596/2570/1/012005.

Conference Publications: 2023

2. Prashant, N. K. Agarwal, A. K. Rawat, K. Sharma, K. M. P and U. Saxena, "An Analysis of Solar PV System with MPPT for Home Grid Applications," 2023 10th International Conference on Computing for Sustainable Global Development (INDIACom), New Delhi, India, 2023, pp. 1014-1020. ISBN serial 978-93-80544-48-9 (15th – 17th March, 2023), Bharati Vidyapeeth, New Delhi (INDIA).
3. Prashant, R. Tiwari, P. Rai, A. Singh and N. Bhati, "An Analytical Review and Comparison on Conventional & Intelligent MPPT Control Techniques to Track Maximum Point for Solar System," 2023 10th International Conference on Computing for Sustainable Global Development (INDIACom), New Delhi, India, 2023, pp. 1008-1013. ISBN serial 978-93-80544-48-9 (15th – 17th March, 2023), Bharati Vidyapeeth, New Delhi (INDIA).
4. F. Danish, M. F. Shamsi, A. Kumar, Prashant, A. S. Siddiqui and M. Sarwar, "Impact Assesment of Microgrid Towards Achieving Carbon Neutrality: A Case Study," 2023 International Conference on Power, Instrumentation, Energy and Control (PIECON), Aligarh, India, 10th-12th Feb,2023, pp. 1-5, doi: 10.1109/PIECON56912.2023.10085800.
5. A. Kumar, Prashant, D. Kumar, F. Danish, M. Sarwar and R. Singh, "Reliability Assessment of Distribution System With Distributed Generation: A Case Study," 2023 International Conference on Power, Instrumentation, Energy and Control (PIECON) 10th-12th Feb,2023, ISBN: 979-8-3503-9977-6, Aligarh, India, 2023, pp. 1-6, doi: 10.1109/PIECON56912.2023.10085774.
6. Subhash Yadav, Pradeep Kumar, Ashwani Kumar, “Energy Management and Artificial Intelligence”, Applied Artificial Intelligence (AI) to Green Power Technology, Nova Science Publishers. ISBN: 979-8-88697-131-6.

<https://doi.org/10.52305/ISQD2111>.

7. Abhinav Saxena, prashant, Jay Singh, Amit Kumar Sharma, Nitin kumar pal, 'Design of Buck Converter with Modified P&O Algorithm Based fuzzy logic controller for solar charge controller for efficient MPPT, Lecture Notes in Electrical Engineering, vol 982. ISBN: 978-981-19-8136-4, April 2023, Springer, https://doi.org/10.1007/978-981-19-8136-4_18.
8. Abhinav Saxena, Rajesh Kumar, Jay Singh, shilpi Kumari,, Mahima verma, Priyanshi Kumari, A soft computing intelligent technique implication for the comprehensive audit of Electric Vehicle, Lecture Notes in Electrical Engineering, vol 982, ISBN: 978-981-19-8136-4, Springer, 2023, https://doi.org/10.1007/978-981-19-8136-4_15.
9. Abhinav Saxena, Nirmal Kumar Agarwal, Neetu Singh, 'Modeling and analysis of wind driven PMSG for healthy and unhealthy conditions' Lecture Notes in Electrical Engineering, vol 1023. Springer, Singapore. ISBN: 978-981-99-0969-8, May 2023. https://doi.org/10.1007/978-981-99-0969-8_18.
10. Abhinav Saxena, Aniket Kumar, Manoj Kumar, 'An enhancement controlling of MPPT solar PV array based Electric vehicle system', SV-TDFS 2022, May 2022, Manipal university Jaipur, material today and proceedings(elsevier), Date: 28-02-2023, Volume 79, Part 2, April-2023, Pages: 438-442 doi: <https://doi.org/10.1016/j.matpr.2023.02.205>, ISSN NO. 2214-7853.
11. Abhinav saxena, et al., 'An Exhaustive Analysis of Waste Segregation and Hand Sanitization in Post-Covid Era ", 2nd IEEE International Conference on Computational Intelligence and Sustainable Engineering Solution (CISES-2023), from 28th April 2023 to 30th April 2023, doi: 10.1109/CISES58720.2023.10183605.
12. Abhinav saxena, et al., Soft Computing Techniques Implication for the Exhaustive Intelligent Review Analysis for Electric Vehicle Charging System", 2nd IEEE International Conference on Computational Intelligence and Sustainable Engineering Solution (CISES-2023), from 28th April 2023 to 30th April 2023, doi: <https://ieeexplore.ieee.org/document/10183423>.
13. Abhinav saxena, et al., 'An Exhaustive Analysis of Waste Segregation and Hand Sanitization in Post-Covid Era ", 2nd IEEE International Conference on Computational Intelligence and Sustainable Engineering Solution (CISES-2023), from 28th April 2023 to 30th April 2023, doi: 10.1109/CISES58720.2023.10183605.
14. Abhinav saxena, et al., Soft Computing Techniques Implication for the Exhaustive Intelligent Review Analysis for Electric Vehicle Charging System", 2nd IEEE

International Conference on Computational Intelligence and Sustainable Engineering Solution (CISES-2023), from 28th April 2023 to 30th April 2023, doi: <https://ieeexplore.ieee.org/document/10183423>.

15. Prashant, R. Tiwari, P. Rai, A. Singh and N. Bhati, Power Quality Improvement by Optimal Placement of D-STATCOM for Power System Network, IEEE 7th International Conference on “Computing, Communication, Control and Automation ICCUBE-23, Pimpri Chinchwad College of Engineering (PCCOE) , Pune, India (IEEE Conference Record Number 58933), 18-19th August, 2023.
16. Prashant, N. K. Agarwal, Sanjiba Bisoyi, A. Rawat, Kishore M.P,” A Strategic Technique for Optimum Placement and Sizing of Distributed Generator in Power System Networks Employing Genetic Algorithm”, Springer- Proceedings of Congress on Control, Robotics, and Mechatronics: CRM 2023 at Modi Institute of Technology, Kota. [Published as book chapter in Springer book series Smart Innovation, Systems and Technologies, Scopus indexed, ISBN 978-981-99-5180-2 dated 10/09/2023].
17. Udit Mittal, Ankit Gupta, and Gaurav Kaushal. "PLC-based home automation system for maintaining efficient task scheduling and security." In Journal of Physics: Conference Series, vol. 2570, no. 1, p. 012034. IOP Publishing, 2023. <https://doi.org/10.1088/1742-6596/2570/1/012034>
18. Naveen Kumar Bind, S.S Chinka, S.V Akram, Neelamegan Sengodan, Md. S.H Ridoy, M.K Chakravarthi "Fault Analysis of An Induction Motors Using AI and ML: An Efficient Way" IEEE 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), Greater Noida, India, 12-13 May 2023. DOI: 10.1109/ICACITE57410.2023.10183215.

Journal Publications: 2022

1. Abhinav Saxena, Rajat Kumar, Raj Kumar, Sanjay Marwaha, Jay Singh, Gyanendra Kumar Singh, ' A Comprehensive Overview on Modified Versions of Stockwell Transform For Power Quality Monitoring', IEEE Access, vol.10, pp: 91963 – 91975, SCI Journal, Impact factor: 3.9, ISSN: 2169-3536, Doi: [10.1109/ACCESS.2022.3202309](https://doi.org/10.1109/ACCESS.2022.3202309), Date of Publication: 26 August 2022.
2. Sudhir Kumar Singh, Rajveer Singh, Haroon Ashfaq, Sanjeev Kumar Sharma, “Virtual Synchronous Machine Using Ant Colony Optimization in Inverter Interfaced Distributed Generation (IIDG),” Journal of Electrical Engineering & Technology: Springer, ISSN: 2093-7423, vol. 17, Issue 4, Aug. 2022. DOI: 10.1007/s42835-022-01198-w.

3. Singh S.K., Singh R., Ashfaq H., Sharma S.K., G. Bokoro, "Super-Twisting Algorithm-Based Virtual Synchronous Generator in Inverter Interfaced Distributed Generation (IIDG)," Journal of Energies: MDPI, ISSN: 1996-1073, vol. 15, Issue 15, Aug. 2022. DOI: 10.3390/en15165890.
4. Anwar Shahzad Siddiqui, Prashant," Optimal Cumulative Cost Strategy for the Thermal-Solar Integrated Radial Distribution System with minimized Carbon Footprint for Sustainable Solution for Clean Energy", International Journal of Green Energy (SCIE), Taylor & Francis publications, vol-20, issue-3, p.p-237-256, 15th March, 2022, DOI: 10.1080/15435075.2022.2033245
5. Anwar Shahzad Siddiqui, Prashant, "Optimal location and sizing of conglomerate DG-FACTS using an artificial neural network and heuristic probability distribution methodology for modern power system operation", Protection and Control of Modern Power Systems, (SCIE), Springer publications, vol.7(9), p.p.1-25,9th March,2022, DOI: 10.1186/s41601-022-00230-5.
6. Prashant, Anwar Shahzad Siddiqui, Md Sarwar, Ahmed Althobaiti, Sherif S. M. Ghoneim, "Optimal Location and Sizing of Distributed Generators in Power System Network with Power Quality Enhancement using Fuzzy Logic controlled D-STATCOM", Sustainability (SCIE) ISSN: 2071-1050, 14(6), 3305, 11th March, 2022, <https://doi.org/10.3390/su14063305>.

Conference Publications: 2022

1. U. Mittal, S. Verma, A. Kumar, S. Singh, G. Varshney and A. Pawar, "A Hybrid Power Generation System Utilizing Solar and Wind Energy on Highways," 2022 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS), Greater Noida, India, 2022, pp. 356-360, <https://doi: 10.1109/ICCCIS56430.2022.10037683>.
2. U. Mittal, U. Nangia and N. K. Jain, "Computational Intelligence-Based Optimal Power Flow Methods-A Review," 2022 IEEE Delhi Section Conference (DELCON), 2022, pp. 1-8, doi: 10.1109/DELCON54057.2022.9753276.
3. Amit Kumar Roy, Abhilasha Pawar, "A Brief Review on Hydrogen Fuel Cells and its Applications", National Conference on Smart Energy, VLSI and Embedded Systems. (NCSEVES-2021), September 24, 2021, JSSATE, NOIDA (U.P).
4. Prashant, Amurt Prakash, Shivam Kumar, Kaushik Dubey, Prashant Kumar Pandey "Bidirectional DC-DC Converter as a Better Alternative for charging and discharging of Battery Back-Up" in a MPPT- Controlled Solar PV System, Proceedings of 3rd

International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication (MARC-2021), ISBN:978-981-19-2828-4 Published as book chapter in springer book series LNEE Scopus indexed, 18 Sept, 2022.

5. Prashant, A. S. Siddiqui and M. Sarwar, "Locational Marginal Pricing Based Management of Congestion with Optimum Sizing of Distributed Generator using Modified ILSHADE Algorithm, "IEEE- 2022 International Conference on Electronic Systems and Intelligent Computing (ICESIC),22-23 April 2022, pp. 317-322, doi: 10.1109/ICESIC53714.2022.9783476.

Journal Publications: 2021

1. Arunesh Singh, Abhinav Saxena, N Roy, U Chaudhary, "Inter-turn fault stability enrichment & diagnostic analysis of power system network using wavelet transformation-based sample data control & Fuzzy logic Controller", Transactions of the Institute of Measurement and Control, SAGE Journal, in press (published online 27-04-2021), (SCI), Impact Factor-1.7, <https://doi.org/10.1177/01423312211007006>
2. Abhinav Saxena, "Optimal Intelligent Strategic LMP Solution& Effect of DG in Deregulated System for Congestion Management", International Transactions on Electrical Energy Systems, in press 2021, (SCI), Impact Factor-2.86
3. Abhinav Saxena, A K Singh, Shahida Khatoon, Kriti, "Impact Review Analysis & Scope of Noise Pollution for Energy Harvesting", Journal of engineering and research, 2021, (SCI), Impact Factor-0.76
4. Abhinav Saxena, A.K Singh, "A novel neuro-fuzzy control scheme for wind-driven DFIG with ANN-controlled solar PV array", Environment, Development and Sustainability, Springer (SCI Journal), Impact Factor:4.90, vol.22, issue.7, pp:6605–6626, doi: <https://doi.org/10.1007/s10668-019-00502-5>, ISSN: 1573-2975, October 2020.
5. Kafeel Khan, A.S Siddiqui, Prashant, "A Contemporary Method for Harmonics Suppression in Power System by Implementing Shunt Active Power Filter", Journal of Critical Reviews (Scopus journal), vol. 7, issue 19,8th Aug.2020, pp- 8331-8340, doi: 10.31838/jcr.07.19.940.

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7. Gunjan Varshney, D.S. Chauhan & M.P. Dave, Nitin, "Unit Template based Control of PV-DSTATCOM", in Recent advances in Electrical & Electronics Engineering, 2020, Vol.13 No.1, 36-42, Bentham science Publishers. (ESCI, WOS & Scopus Indexed), DOI: <http://dx.doi.org/10.2174/2352096511666181018112853>.

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9. Sudeep Varshney, T.P. Singh, Amit Singh, Pushpendra K. Rajput, Amit Singhal, Gunjan Varshney, "A Neuro-Genetic Hopfield associative memory (HAM) with Improved Noise Immunity", in international journal of Materials Today: Proceedings, Elsevier Publications, May 2021. (Scopus Indexed Journal), DOI: <http://dx.doi.org/10.1016/j.matpr.2021.05.470>.

10. Amit Kr. Roy, Gyan Ranjan Biswal, and Prasenjit Basak, "An integrated rule-based power management and dynamic feed-forward low voltage ride through scheme for a grid connected hybrid energy system," J. Renewable Sustainable Energy, vol. 12, Issue 5, pp. 056303: 1-19, Oct. 2020. DOI: <https://doi.org/10.1063/5.0019254> (IF: 1.575).

11. C. Pandit, A. Roy, and Amit Kr. Roy, "Progress of Microbial Fuel Cell Systems towards Environmental Remediation and Electricity Production," in Microbial Fuel Cell: Electricity Generation and Environmental Remediation, USA: Nova Science Publishers, 5th Oct. 2022, pp. 83-108.

12. Prashant, Agarwal N.K., Bisoyi S. A.K. Rawat, Kishore M.P. (2024). A Strategic Technique for Optimum Placement and Sizing of Distributed Generator in Power System Networks Employing Genetic Algorithm. In: Jha, P.K., Tripathi, B., Natarajan, E., Sharma, H. (eds) Proceedings of Congress on Control, Robotics, and Mechatronics. CRM 2023. Smart Innovation, Systems and Technologies, vol 364. Springer, Singapore. https://doi.org/10.1007/978-981-99-5180-2_3.

13. Abhinav Saxena, Prashant, Nirmal Kumar Agarwal, Md. Abul Kalam, Nitin Kumar Pal,

“Optimal Converging distributed load allocation of three generating units using Genetic Algorithm (GA)”, Vol. 33 Issue no 12, Baltica Journal (SCI Journal) (Impact factor: 1.037), Dec 2020, ISSN: 0067-3064.

14. Abhinav Saxena, Nirmal Kumar Agarwal, Archit Kumar, Arpit Singh, Arpit Yadav, Arun Kumar, Amit Kumar Sharma, “Electric Hazards Analysis:A review”, RTPDP Conference, published in IOP series (Scopus), Galgotias College of Engineering and Technology (GCET), Greater Noida, India.

Conference Publications: 2021

1. Amit Kumar Sharma, Akash Pandey, Mohd. Ammar Khan, Abhinav Tripathi, Abhinav Saxena, Pankaj Kumar Yadav, “Human following Robot”, IEEE International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), Greater Noida, ISBN: 978-1-7281-7742-7, **(WOS & Scopus)**, Doi: 10.1109/ICACITE51222.2021.9404758
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3. N. K. Agarwal, A. Saxena, A. Prakash, A. Singh, A. Srivastava and A. Baluni, "Review on Unified Power Quality Conditioner (UPQC) to mitigate power quality problems," 2021 2nd Global Conference for Advancement in Technology (GCAT), Bangalore, India, 2021, pp. 1-7, doi: 10.1109/GCAT52182.2021.9587586.
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7. Abhilasha Pawar, R.K.Viral and Anuprita Mishra, “Dispersed Generation Integration with Virtual Power Plant,” International Conference on Challenges and Applications in Clean Energy (ICCACE-2020) ,Dec. 25-26, 2020, NIT Kurukshetra.

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