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Research Interest : Power System Analysis, Control System Networks, PLC Systems, Automation

+ Journal Publication Details:

Niharika Thakur, Y.K. Awasthi, A.S. Siddiqui, Manisha Hooda, "Congestion reduction under IPFC based deregulated electricity market using AKH algorithm", Journal of Physics: Conference Series (2020). 1478. 012027. 10.1088/1742-6596/1478/1/012027.

Niharika Thakur, Y.K. Awasthi, A.S. Siddiqui, "Reliability and Power Quality Improvement Under Deregulated Environment Using Enthalpy Based Grey Wolf Optimizer", Energy Systems (2020). DOI: 10.1007/s12667-020-00409-5.

Manisha Hooda, Y. K. Awasthi, A.S. Siddiqui, Niharika Thakur "Profit based Unit Commitment Problem solving using Hybrid CUCKOO- GWO Algorithm." Journal of Physics (2020), Vol. 1478, No. 012015, pp. 1-11.

Niharika Thakur, Y.K. Awasthi, Manisha Hooda, A.S. Siddiqui (2019), "Adaptive whale optimization for intelligent multi-constraints power quality improvement under deregulated environment", Journal of Engineering, Design and Technology, Vol. 17 No. 3, pp. 490-514. <https://doi.org/10.1108/JEDT-08-2018-0130>.

Hooda Manisha, Awasthi Y K, Niharika Thakur & A S Siddiqui (2020) Advanced hybrid intelligent model and algorithm for deregulated electricity market, Australian Journal of Electrical and Electronics Engineering, DOI: 10.1080/1448837X.2020.1752078

Khushi Arora, Parnika Gupta, Niharika Pathak., "Rapido Wheelchair", International Journal of Electronics, Electrical and Computational System, Vol. 4, Issue 11, November

Khushi Arora, Parnika Gupta, Niharika Pathak., "Posture Monitoring Belt", International Journal of Innovative Research and Studies, Vol.4, Issue6, June 2015.

Niharika Thakur, "SSVEP Based BCI for an Object Control in 2D Space", Journal of Civil and Environmental Engineering, Vol.5, Issue 1, November 2014.

+ Conference Details:

Niharika Thakur, "RFID Technology for next generation:Theory, Design and applications", International Conference on Robotics, Automation and Communication Engineering for Industry 4.0, 2022.(Presented)

Niharika Thakur, Y. K. Awasthi, M. Hooda and A. S. Siddiqui, "Parametric Analysis of Adaptive Whale Optimization Technique for Power Quality Enhancement in Restructured Electricity Market," 2019 2nd International Conference on Power Energy, Environment and Intelligent Control (PEEIC), Greater Noida, India, 2019, pp. 160-166.

Hooda Manisha, Awasthi Y K, **Niharika Thakur** & A S Siddiqui , "Algorithmic Analysis on Hybrid-Intelligent Deregulated Electricity Market," 2019 2nd International Conference on Power Energy, Environment and Intelligent Control (PEEIC), Greater Noida, India, 2019, pp. 167-173.

Niharika Thakur, Y. K. Awasthi, A. S. Siddiqui and Manisha Hooda, "Comparative Efficacy of Optimization Techniques towards Multi-Objective Electric Power Quality Improvement," 2021 8th International Conference on Signal Processing and Integrated Networks (SPIN), 2021, pp. 726-731, doi: 10.1109/SPIN52536.2021.9565980.

Manisha Hooda, Y. K. Awasthi, A. S. Siddiqui and **Niharika Thakur**, "Parametric Analysis: Determining the Efficacy of Varied Approaches under Deregulated Electricity Market," 2021 8th International Conference on Signal Processing and Integrated Networks (SPIN), 2021, pp. 702-707, doi: 10.1109/SPIN52536.2021.9566060.

Niharika Thakur, Manisha Hooda, "A Review Paper on PLC and its applications in Robotics and Automation", International Journal of Innovative Research in Computer and Communication Engineering, Vol.4, Special Issue 4, August 2016.

Niharika Thakur, "Fuzzy logic based Intelligent Handoff Control", National Conference on Emerging Trends In Computing And Information Technology (NCETCIT-2011), RKGITW, Ghaziabad, U.P, India ,Page No-14,9 September 2011.

Niharika Thakur, "Wireless Brain Computer Interface Fuzzy Logic Approach", National Conference on Emerging Trends In Computing And Information Technology (NCETCIT-2011), RKGITW, Ghaziabad, U.P, India , Page No-15, 9 September 2011.

+ Administrative Responsibilities:

Secretary, Alumni Association, MRU; Member, Board of Studies, ECE, MRU; Central ERP Coordinator, NPTEL Coordinator, ECE, MRU, NAAC Incharge, Criteria 5 and 6, Conference ICRA CI 4.0 Moderator, Co-Coordinator-Central Alumni Connect Office, Cultural Activities Coordinator-ECE