

Agnel Charities

Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra

Paper/Journal Publications

1. **M. S. Rane**, S.R.Wagh, "Mitigation of Harmonics and Unbalanced Source Voltage Condition in Standalone Microgrid: Positive Sequence Component and Dynamic Phasor based with Real Time Approach", Heliyon, Elsevier. <https://doi.org/10.1016/j.heliyon.2019.e01178>
2. **Mahendra Rane**, Sushama Wagh, "Impact Analysis of PV-Integrated Grid Using Time-Scale Modelling", International Review on Modelling and Simulations (I.RE.MO.S.), Vol. 11, N. 5, October 2018 DOI: <https://doi.org/10.15866/iremos.v11i5.15394>
3. M. Monika, **M. Rane**, S. Wagh, A. M. Stankovic, N. M. Singh, "Development of dynamic phasor based higher index model for performance enhancement of dual active bridge", Electric Power Systems Research 168 (2019): 305-312. DOI: <https://doi.org/10.1016/j.epsr.2018.10.023>
4. Phansopkar Muazzam, **Mahendra Rane** "Analysis and Simulation of Quasi Z-Source Inverter with Energy Storage System", International Journal of Industrial Electronics and Electrical Engineering, ISSN(p): 2347-6982, ISSN(e): 2349-204X Volume-7, Issue-12, Dec.-2019.
5. **Seema Jadhav, Sincy George, Mahendra Rane**, "Active Power Control of Grid-Connected Distributed Generation Unit", International Journal of Advances in Electrical and Electronics Engineering, ISSN: 2319-1112 /V2N1, Volume 2, Number 1, March 13, 2013, pp. 106-112.
6. **Mahendra Rane**, "Analysis of Energy Saving Opportunities in Cement Sector", International conference on Emerging Trends in Engineering ICETE-2013. Paper published in IOSR journal of Electronics & Communication Engineering (ISSN 2278-0661), Volume 3, 2013 pp 07-13
7. Devlekar Shubham, **and Mahendra Rane**. "Modeling and analysis of dual side de-tuned series-series compensation network-based Wireless Power Transmission system." In *2020 IEEE India Council International Subsections Conference (INDISCON)*, pp. 102-107. IEEE, 2020. DOI: <https://doi.org/10.1109/INDISCON50162.2020.00032>
8. Phansopkar Muazzam, **Mahendra Rane**, and Sushil Thale. "Analysis and Control of Quasi Z-source Inverter with Digital Current Control for Energy Storage." In *2019 8th International Conference on Power Systems (ICPS)*, pp. 1-6. IEEE, 2019. DOI: <https://doi.org/10.1109/ICPS48983.2019.9067736>

9. **Rane M.**, and S. Wagh. "Stability enhancement of transformed PV system using inrush mitigation techniques." In *2017 North American Power Symposium (NAPS)*, pp. 1-6. IEEE, 2017. DOI: <https://doi.org/10.1109/NAPS.2017.8107388>
10. Chaudhari Yutika D., and **Mahendra Rane**. "Compensation of mismatch in PV characteristics using DC-DC converter." In *2017 International Conference on Power and Embedded Drive Control (ICPEDC)*, pp. 511-515. IEEE, 2017. DOI: <https://doi.org/10.1109/ICPEDC.2017.8081142>
11. **Rane M. S.**, and S. R. Wagh. "Adaptive reference power algorithm for power sharing between inverters under varying source condition." In *2016 IEEE 6th International Conference on Power Systems (ICPS)*, pp. 1-6. IEEE, 2016. DOI: <https://doi.org/10.1109/ICPES.2016.7584187>
12. Parimi M., M. Monika, **M. Rane**, S. Wagh, and A. Stankovic. "Dynamic phasor-based small-signal stability analysis and control of solid state transformer." In *2016 IEEE 6th International Conference on Power Systems (ICPS)*, pp. 1-6. IEEE, 2016. DOI: <https://doi.org/10.1109/ICPES.2016.7584183>
13. Vinod Pawar, and **Mahendra Rane**, "Analysis of Distributed Maximum Power Point Tracking of PV System under Partial Shading Condition," International Conference on Recent Trends & Innovations in Engineering & Technology, ICRTIET-2015, Ongole, Andhra Pradesh, May 1-2, 2015.
14. Siddhesh Sawant, **Mahendra Rane**, and Ramchandra Bhosale, "Performance Analysis of Fractional Frequency Transmission System using Hardware setup," in International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO) – 2015, Visakhapatnam, Andhra Pradesh.