List of Publications

The publications originating from this thesis are:

1. **Jha, B. K.**, Kumar, A., Dheer, D. K., Singh, D., & Misra, R. K. (2020). A modified current injection load flow method under different load model of EV for distribution system. International Transactions on Electrical Energy Systems, 30(4), e12284.

2. **Jha, B. K.**, Kumar, A., Singh, D., & Misra, R. K. (2019). Coordinated effect of PHEVs with DGs on distribution network. International Transactions on Electrical Energy Systems, 29(4), e2800.

3. **Jha, B. K.**, Singh, A., Kumar, A., Dheer, D. K., Singh, D., & Misra, R. K. (2019). Day ahead scheduling of PHEVs and D-BESSs in the presence of DGs in the distribution system. IET Electrical Systems in Transportation, 10(2), 170-184.

4. **Jha, B. K.**, Singh, A., Kumar, A., Singh, D., & Misra, R. (Revision Submitted). Phase Unbalance and PAR Constrained Optimal Active and Reactive Power Scheduling of Virtual Power Plants (VPPs). International Journal of Electrical Power & Energy Systems.

5. Kumar, A., **Jha, B. K.**, Singh, D., & Misra, R. K.(2020) A New Current Injection Based Power Flow Formulation, Electric Power Components and Systems, DOI: 10.1080/15325008.2020.1758846

The relavent publications during doctoral degree:

1. Kumar, A., **Jha, B. K.**, Singh, D., & Misra, R. K. (2019). Current injection-based Newton–Raphson power-flow algorithm for droop-based islanded microgrids. IET Generation, Transmission & Distribution, 13(23), 5271-5283.

2. Singh, A., **Jha, B. K.**, Singh, D., & Misra, R. K. (2019). Optimal scheduling of PHEVs and D-BESSs in the presence of DGs in a distribution system. IET Generation, Transmission & Distribution, 13(22), 5019-5032.

3. Kumar, A., **Jha, B. K.**, Dheer, D. K., Misra, R. K., & Singh, D. (2020). A Nested-Iterative Newton-Raphson based Power Flow Formulation for Droop-based Islanded Microgrids. Electric Power Systems Research, 180, 106131.

4. Kumar, A., **Jha, B. K.**, Dheer, D. K., Singh, D., & Misra, R. K. (2019). Nested backward/forward sweep algorithm for power flow analysis of droop regulated islanded microgrids. IET Generation, Transmission & Distribution, 13(14), 3086-3095.