- 1] M. A. Taher, S. Kamel, F. Jurado, and Mohamed Ebeed, "An Improved Moth- Flame Optimization Algorithm For Solving Optimal Power Flow Problem," *International Transactions on Electrical Energy Systems*, 2019
- 2] M. A. Taher, S. Kamel, F. Jurado, and Mohamed Ebeed, "Modified Grasshopper Optimization Framework for Optimal Power Flow Solution" *Electrical Engineering*, vol. 101, pp. 1-11, 2019
- 3] A. Fathy, and A. M. Kassem, "Antlion optimizer-ANFIS load frequency control for multiinterconnected plants comprising photovoltaic and wind turbine," *ISA Transactions* 87 (2019): 282-296.
- 4] Salah Kamel, Ashraf Ramadan, Mohamed Ebeed, Juan Yu, Kaigui Xie, and Tao Wu, "Assessment Integration of Wind-based DG and DSTATCOM in Egyptian Distribution Grid Considering Load Demand Uncertainty," *IEEE Innovative Smart Grid Technologies* - Asia (ISGT Asia), 2019.
- 5] A. S. Mubarak, O. A. Omer, H. Esmaiel and U. S. Mohamed, "Backhaul Overhead Traffic Reduction in Dense MmWave Heterogeneous Networks Towards 5G Cellular Systems," 36<sup>th</sup> National Radio Science Conference (NRSC), 2019.
- 6] Hedra Saleeb, Khairy Sayed, Ahmed Kassem, and Ramadan Mostafa, "Control and analysis of bidirectional interleaved hybrid converter with coupled inductors for electric vehicle applications," *Electrical Engineering* (2019): 1-28.
- 7] Ahmed Refai, Mohamed Ebeed, Salah Kamel, "Combined Economic and Emission Dispatch Analysis Using Lightning Attachment Procedure Optimizer," 21<sup>st</sup> International Middle East Power Systems Conference (MEPCON), 2019.
- 8] A. Abdelreheem, A. M. Nor, A. S. A. Mubarak, H. Esmaiel and E. M. Mohamed, "Comparative study on millimeter wave location-based beamforming," *International Conference on Innovative Trends in Computer Engineering (ITCE)*, 2019.
- 9] R Kassem, K Sayed, A Kassem, R Mostafa, "Energy Efficient Control Scheme of Induction Motor Based EV," 21st International Middle East Power Systems Conference (MEPCON), 1081-1088, 2019.
- 10] K. Sayed, A. M. Kassem, I. Aboelhassan, A. M. Aly and A. G. Abo-Khalil, "Energy Management and Control Strategy of DC Microgrid Including Multiple Energy Storage Systems," *IEEE 21th International Middle East Power Systems Conference (MEPCON)*, Tanta University, Egypt, December 17-19, 2019.
- 11] A. S. Mubarak, O. A. Omer, H. Esmaiel and U. S. Mohamed, "Geometry Aware Scheme for Initial Access and Control of MmWave Communications," *International Conference* on Advanced Intelligent Systems and Informatics, pp. 760-769. Springer, Cham, 2019.
- 12] Maha Mohamed, Abdel-Raheem Youssef, Mohamed Ebeed, Salah Kamel, "Hybrid Optimization Technique for Short Term Wind-Solar-Hydrothermal Generation Scheduling," *IEEE Conference on Power Electronics and Renewable Energy (CPERE)*, 2019.
- 13] I. H. Abdelazeem, A. A. Ibrahim, M. A. Abdalla, "Frequency Reconfigurable Based Antenna Utilizing Coding Meta-Surface for Future 5G Applications," *Thirteenth International Congress on Artificial Materials for Novel Wave Phenomena* (*Metamaterials*), pp. X-001. IEEE, 2019.

- 14] Abdelmaged M. Aly, Ahmed M. Kassem, Khairy Sayed, and Ismail Aboelhassan, "Design of microgrid with flywheel energy storage system using homer software for case study," *International Conference on Innovative Trends in Computer Engineering (ITCE)*, pp. 485-491. IEEE, 2019.
- Salah Kamel, Mahmoud. A. AboElHassan, Mohamed Ebeed, Juan Yu, Francisco Jurado, "Developed HVDC Power Injection Model for Power Flow Analysis with Multi-control Functions Considering Operating Constraints," *Electrical Engineering*, vol. 101, pp. 1-11, 2019
- 16] Mohamed Ebeed, Salah Kamel, Juan Yu, Francisco Jurado, "Development of UPFC operating constraints enforcement approach for power flow control," *IET Generation, Transmission & Distribution* 13, no. 20 (2019): 4579-4591.
- 17] Ashraf Ramadan, Mohamed Ebeed, Salah Kamel, Loai Nasrat, "Optimal Allocation of Hybrid Solar-Wind Distributed Generations in Distribution Networks Considering the Uncertainty Using Grasshopper Optimization Algorithm," 21st International Middle East Power Systems Conference (MEPCON), 2019.
- 18] Montaser Abd El Sattar Mohammed, Adel A. Elbaset Mohammed, Amal M. Abd El Hamed, "Optimal Allocation of Photovoltaic Based and DSTATCOM in a Distribution Network under Multi Load Levels," *European Journal of Engineering Research and Science* 4, no. 8 (2019): 114-119
- 19] Ashraf Ramadan, Mohamed Ebeed, Salah Kamel, Loai Nasrat, "Optimal Allocation of Renewable Energy Resources Considering Uncertainty in Load Demand and Generation," *IEEE Conference on Power Electronics and Renewable Energy (CPERE)*, 2019.
- 20] Said Abdel-Fatah, Mohamed Ebeed, Salah Kamel, "Optimal Reactive Power Dispatch Using Modified Sine Cosine Algorithm," *International Conference on Innovative Trends* in Computer Engineering (ITCE), 2019.
- 21] Ibrahem E. Atawi, Ahmed M. Kassem, and Sherif A. Zaid, "Modeling, Management, and Control of an Autonomous Wind/Fuel Cell Micro-Grid System," *Processes* 7, no. 2 (2019): 85.
- 22] Said Abdel-Fatah, Mohamed Ebeed, Salah Kamel, Loai Nasrat, "Moth Swarm Algorithm for Reactive Power Dispatch Considering Stochastic Nature of Renewable Energy Generation and Load," 21st International Middle East Power Systems Conference (MEPCON), 2019.
- 23] Said Abdel-Fatah, Mohamed Ebeed, Salah Kamel, Juan Yu, "Reactive Power Dispatch Solution with Optimal Installation of Renewable Energy Resources Considering Uncertainties," *IEEE Conference on Power Electronics and Renewable Energy (CPERE)*, 2019.
- 24] Ashraf Ramadan, Mohamed Ebeed, Salah Kamel, "Performance Assessment of a Realistic Egyptian Distribution Network Including PV Penetration with DSTATCOM," *International Conference on Innovative Trends in Computer Engineering (ITCE)*, 2019.
- 25] Salah Kamel, Said Abdel-Fatah, Mohamed Ebeed, Juan Yu, Kaigui Xie, Chenyu Zhao, "Solving Optimal Reactive Power Dispatch Problem Considering Load Uncertainty," *IEEE Innovative Smart Grid Technologies-Asia (ISGT Asia)*, pp. 1335-1340. IEEE, 2019.

- 26] Mostafa Salah, O. A. Omer, and U. S. Mohammed, "Spectral Efficiency Enhancement Based on Sparsely Indexed Modulation for Green Radio Communication," *IEEE Access* 7 (2019): 31913-31925.
- 27] H. S. Hussein, M. Elsayed, U. S. Mohamed, H. Esmaiel, E. M. Mohamed, "Spectral Efficient Spatial Modulation Techniques," *IEEE Access*, vol. 7, pp. 1454-1469, 2019.
- [28] EmadelDin A. Mazied, Mustafa Y. ElNainay, Mohammad J. Abdel-Rahman, Scott F. Midkiff, Mohamed R.M. Rizk, Hesham A. Rakha, and Allen B. MacKenzie, "The wireless control plane: An overview and directions for future research," *Elsevier Journal of Network and Computer Applications*, vol. 126, 2019, pp 104-122.
- 29] Hesham Ibrahem, Mohamed Atef, Elsayed Esam M.Khaled, "Ultra-Low Power High Sensitivity Photoplethysmography Sensor Based on Inverted Cascode Transimpedance Amplifier Using Quasi-Floating Gate," 36th National Radio Science Conference (NRSC), pp. 360-367. IEEE, 2019.
- 30] Ahmed Elnozahy, Khairy Sayed, and Mohamed Bahyeldin, "Artificial Neural Network Based Fault Classification and Location for Transmission Lines," *IEEE Conference on Power Electronics and Renewable Energy (CPERE)*, pp. 140-144. IEEE, 2019.
- 31] Iskander Tlili, M. Osman, E. M. Barhoumi, I. Alarifi, Ahmed G. Abo-Khalil, R. P. Praveen, and Khairy Sayed, "Performance enhancement of a humidification-dehumidification desalination system," *Journal of Thermal Analysis and Calorimetry* (2019): 1-11.
- 32] Khairy Sayed, "Zero-voltage soft-switching DC–DC converter-based charger for LV battery in hybrid electric vehicles," *IET Power Electronics* 12, no. 13 (2019): 3389-3396.
- 33] Khairy Sayed, Ahmed G. Abo-Khalil, and Ali S Alghamdi, "Optimum Resilient Operation and Control DC Microgrid Based Electric Vehicles Charging Station Powered by Renewable Energy Sources," *Energies* 12, no. 22 (2019): 4240.
- 34] Ahmed G. Abo-Khalil, Ali S. Alghamdi, Ali M. Eltamaly, M. S. Al-Saud, Praveen RP, Khairy Sayed, G. R. Bindu, and Iskander Tlili, "Design of State Feedback Current Controller for Fast Synchronization of DFIG in Wind Power Generation Systems," *Energies* 12, no. 12 (2019): 2427.
- 35] K. Sayed, A. M. Kassem, I. Aboelhassan, A. M. Aly and A. G. Abo-Khalil, "Role of Supercapacitor Energy Storage in DC Microgrid," *1st International Conference on Electronic Engineering, Menoufia University*, Egypt (ICEEM), 7-8 Dec, 2019
- 36] K Sayed, A. M. Kassem, I Aboelhassan, A. M. Aly, AG Abo-Khalil, "Role of Supercapacitor Energy Storage in DC Microgrid," *Menoufia Journal of Electronic Engineering Research* 28. ICEEM2019-Special Issue (2019): 263-268
- 37] Salah Kamel, Ashraf Ramadan, Mohamed Ebeed, Loai Nasrat, Mohammed Hassan Ahmed, "Sizing and Evaluation Analysis of Hybrid Solar-Wind Distributed Generations in Real Distribution Network Considering the Uncertainty," International Conference on Computer, Control, Electrical, and Electronics Engineering (ICCCEEE), 2019.
- 38] Abo-Khalil, Ahmed G., Saeed Alyami, Khairy Sayed, and Ayman Alhejji, "Dynamic Modeling of Wind Turbines Based on Estimated Wind Speed under Turbulent Conditions," *Energies* 12, no. 10 (2019): 1907.