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**2. Degrees:**

- B.S. (Electrical Power and Machines Engineering) Higher Institute of Engineering, Elshorouk Academy, Elshorouk City, Cairo, Egypt. 2008
- M.S. (Electrical Power and Machines) Al Azhar University, Cairo, Egypt. 2018

**3. Years of Service on Faculty:** 16

**4. Principal publications of last 5 years (selected):**

**1- “DANDELION OPTIMIZER FOR SIZING AND PLACEMENT OF ENERGY STORAGE SYSTEMS TO IMPROVE VOLTAGE STABILITY AND REDUCE TOTAL COST” Al-Azhar Engineering 16th International Conference/ AUEJ\_Volume 19\_Issue 72\_Pages 298-315, DoI:10.21608/aej.2024.267263.1611**

**2- “Optimal allocation of distributed energy storage systems to enhance voltage stability and minimize total cost” PLOS ONE | <https://doi.org/10.1371/journal.pone.0296988> January 29, 2024**