

**1. Name: Abdelrahman Mohamed Nasser**, Teaching Assistant, Department of Electrical Power and Machines, Higher Institute of Engineering, Elshorouk Academy.

**2. Degrees:**

- B.S. (Electrical Power and Machines Engineering) Faculty of Engineering, Tanta University, Tanta City, El-Gharbia, Egypt. **2021**

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

- 10/2021 - present Teaching Assistant.

**4. Other Experience:**

- 2020-2022, Electrical engineer at Mushor Consultant, Maadi, Egypt.

**5. Consulting Activities (selected)**

**6. States in which registered:**

- Cairo, Egypt.

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

- **Nasser, A.M., Refky, A., Shatla, H. et al. A grey wolf optimization-based modified SPWM control scheme for a three-phase half bridge cascaded multilevel inverter.** Sci Rep 14, 7016 (2024). <https://doi.org/10.1038/s41598-024-57262-0>.
- **A. M. Nasser, A. M. Abdel-Hamed, A. Refky and H. Shatla, "A Proposed PSO-Based Modified SPWM Switching Technique for a Cascaded Half-Bridge Multilevel Inverter,"** 2023 24th International Middle East Power System Conference (MEPCON), Mansoura, Egypt, 2023, pp. 1-7, doi:[10.1109/MEPCON58725.2023.10462255](https://doi.org/10.1109/MEPCON58725.2023.10462255).

**8. Scientific and professional societies of which a member**

- Not a member of any societies yet.

**9. Honors and awards:**

The 3<sup>rd</sup> rank with Honors at the Electrical Power and Machines Engineering Department, Tanta University 2021.

**10. Institutional & professional service in last 5 years:**

Teaching Assistant, Department of Electrical Power and Machines , Higher Institute of Engineering, Elshorouk Academy, Elshorouk city, Cairo, Egypt.

**11. Professional Development Activities in the last 5 years:**

- In 2022, Attending training on "Scientific Research Writing" and "Research Ethics" at El-Shorouk Academy in El-Shorouk City, Cairo, Egypt, followed by training on "Effective Teaching Skills" at the FLDC in El-Shorouk City in 2023.
- Participated in various education quality trainings, including program and course specification, learning outcomes evaluation, and self-evaluation of higher education institutions.
- Attending many meetings and conferences in the field of electrical power and machines.