

1. Name: Ramy Adel Mohamed Younis, Assistant Professor, Department of Electrical Power and Machines Engineering, Higher Institute of Engineering, Elshorouk Academy.

2. Degrees:

- B.S. (Electrical Power and Machines Engineering) Higher Institute of Engineering, Elshorouk Academy, Elshorouk City, Cairo, Egypt. 2006
- M.S. (Electrical Power and Machines Engineering) Helwan University, Cairo, Egypt. 2014
- Ph.D. (Electrical Power and Machines Engineering) Cairo University, Cairo, Egypt. 2020

3. Years of Service on Faculty: 17

- 08/2020 - present Assistant Professor.

4. Other Experience:

- 08/2022 – 08/2024: Participation with the High Canal Institute for Engineering and Technology (CHI) as a joint supervision of graduation projects.
- 09/2021 – 06/2024: Training many faculty members and teaching assistant on the quality insurance platforms.

5. Consulting Activities (selected)

- Design and supervision of distribution system and light current systems at Riviera, Giza Governorate (2018-2022).

6. States in which registered:

- Cairo, Egypt.

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

- Younis, R. A., Abdelrahman, R. A., Mansour, N. M., & Salem, A. A. (2023, December). Modeling and Performance Evaluation of a Hybrid PV/Wind/Diesel Generation Units Under Certain Operating Conditions. In *2023 24th International Middle East Power System Conference (MEPCON)* (pp. 1-7). IEEE.
- Al-Gabalawy, M., Elmetwaly, A. H., Younis, R. A., & Omar, A. I. (2022). Temperature prediction for electric vehicles of permanent magnet synchronous motor using robust machine learning tools. *Journal of Ambient Intelligence and Humanized Computing*, 1-18.
- Younis, R. A., Ibrahim, D. K., & Aboul-Zahab, E. M. (2019). Power management regulation control integrated with demand side management for stand-alone hybrid microgrid considering battery degradation. *International Journal of Renewable Energy Research (IJRER)*, 9(4), 1912-1923.
- Elmetwaly, A. H., ElDesouky, A. A., Fekry, H. M., Younis, R. A., Barnawi, A. B., Elbarbary, Z. S., & Salem, A. A. (2023). Improving Power Quality Problems of Isolated MG Based on ANN Under Different Operating Conditions Through PMS and ASSC Integration. *IEEE Access*
- Swilam, G. M., ELKorfolly, M. I., & Younis, R. A. Operation and Control of Wind Farm Interconnected to Grid using LCC Bipolar HVDC Link

- Elmetwaly, A.H., Younis, R.A., Abdelsalam, A.A., Omar, A.I., Mahmoud, M.M., Alsaif, F., El-Shahat, A. and Saad, M.A., 2023. Modeling, Simulation, and Experimental Validation of a Novel MPPT for Hybrid Renewable Sources Integrated with UPQC: An Application of Jellyfish Search Optimizer. Sustainability, 15(6), p.5209.

8. Scientific and professional societies of which a member

- Egyptian Engineers Syndicate, and Egyptian Society of Engineers.

9. Honors and awards:

10. Institutional & professional service in last 5 years:

- Internal Quality Coordinator of the Department of Electrical power and machines Engineering, Higher Institute of Engineering, Elshorouk Academy (2020 - present).

11. Professional Development Activities in the last 5 years:

- Attending many meetings, events, and conferences related to the field of Electrical power and machines at the MEPCON (2020 – present).
- Attending many trainings in the field of education quality (Specification of programs and courses and evaluation of learning outcomes for colleges and institutes of higher education - Self-evaluation of colleges and institutes of higher education - Preparing Course Specifications) at the National Authority for Quality Assurance and Accreditation of Education (NAQAA), Cairo, Egypt (2022 – 2023) and the administrative field (Leadership skills, and Credit Hours System) at Developing the Capabilities of Faculty Members and Leaders Center, Cairo University, Giza, Egypt (2021 – 2022).