

➤ Personal Information:

- Name: Tamer Mohamed Zakria Elsharkawy
- Address: Damanhour – Beheira
- Gender: Male
- Date of Birth: 1/10/1994
- Nationality: Egyptian
- Marital status: Married
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➤ Education:

- **Master's degree in electrical engineering (2022).**
University: Benha - Egypt.
Thesis advisors: Waleed A. A. Salem and Gomaa F. A. Osman
Thesis title: Thermal Analysis of Underground Power Cables in the Presence of Harmonic Load Current.
- **Bachelor's degree in electrical engineering (2017).**
University: Benha - Egypt.
General Grade: Excellent.
Graduation Project Grade: Excellent.

➤ Job experience:

- 2018 - 2022 - Demonstrator - Benha Faculty of Engineering, Electrical Engineering Department, Power and control Engineering.
- 2023- Lecturer Assistant - Benha Faculty of Engineering, Electrical Engineering Department, Power and control Engineering.
- 2025- Lecturer Assistant – Damanhour Faculty of Engineering, Electrical Engineering Department, Power and control Engineering.

➤ Research Publications:

- [1] Gomaa F. A. Osman, Tamer M. Z. Elsharkawy, and Waleed A. A. Salem, "Thermal Analysis of Underground Distribution Cables under Dynamic Loading in the Presence of Harmonic Load Currents", Middle East Power Systems Conference (MEPCON), Egypt, 14-16 December 2021, pp.319-325.

- [2] Tamer M. Z. Elsharkawy, Waleed A. A. Salem, and Gomaa F. A. Osman, "The effect of nonlinear loads on the underground distribution cables: a case study", Journal of Electrical Systems and Information Technology, pp.1-18, Sept. 2022, <https://doi.org/10.1186/s43067-022-00061-2>.
- [3] Optimal Power System Operation by a Novel Efficient Starfish Optimization Algorithm. TMZ Elsharkawy, BA Aziz, WAA Salem, RA El-Sehiemy 2025 26th International Middle East Power Systems Conference (MEPCON), 1-7.
- [4] Exploring short/long-term measures of microgrids for efficient power system resilience. TMZ Elsharkawy, BA Aziz, WAA Salem, RA El-Sehiemy Journal of Safety Science and Resilience, 100330.