1. Personal Data:
- **Name:**   Mohamed EL-Adly Metwally Ahmed
- **Position:**   Assistant Professor

Department: Electrical power and machines engineering
- **Contact:**

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2. Specialization:
- **General Specialization**: Electrical power and machines
- **Specific Field** : power electronics

3. Academic Qualifications:
- 2006 B.Sc (High Institute of Engineering – Elshorouk city)
- 2011 M.Sc (Helwan University)
- 2018 Ph.D (Ain Shams University)

4. Teaching Experience:
1. power electronics , New and Renewable Energy, Electrical power system, electrical machines, electrical experiment & testing, electrical circuits, computer applications, automatic control.
2. Electrical machines, computer programing, practical training, graduation and training project.

5. Research Interests:

Power electronics and power electronics application, renewable energy, distribution system automation, Optimization, and Machine Learning artificial intelligence

6. Publications (The five most important researches):
1. M., Hassan, A. E. W., Elbarbary, Z. M. S., Al-Gahtani, S. F., Omar, A. I., & Mohamed E. Metwally, (2024). MPPT control of a solar pumping system based five-phase impedance source inverter fed induction motor. *Plos one*, *19*(1), e0295365.
2. Mohamed Ahmed Ebrahim, Shymaa Nasser Ahmed, and Mohamed Eladly Metwally. "Arithmetic optimization algorithm based maximum power point tracking for grid-connected photovoltaic system." *Scientific Reports* 13.1 (2023): 5961.
3. Amjad Elwakeel , Osama abo Zayed, Mohammed Eladly Metwally"speed control of 8/6 switched reluctance motor using torque ripple reduction" internation journal soft computing, 13 (6):158-166,2018