CURRICULUM VITAE

PERSONAL DETAILS

Title: Doctor Eng

Name: Asmaa Sobhy Ebrahiem Kamel Sabik

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CUALIFICATIONS

Cualifications	Date
Bachelor Degree in Electrical Engineering, final grade "Excellent" Faculty of Engineering University of Al-Azhar, Cairo, Egypt	6/2012
M.Sc. Degree in Electrical Engineering Faculty of Engineering, University of Al-Azhar, Cairo, Egypt	1/2017
PhD Degree in Electric Power Supply Faculty of Engineering, University of Al-Azhar, Cairo, Egypt	3/2021

EMPLOYMENT

EMPLOYMENT	Date
undergraduate student for bachelor's degree in electrical engineering with final grade "Excellent", Faculty of Engineering, Al-Azhar University	9/2007-6/2012
Demonstrator in Power and Electrical Machines department, Faculty of Engineering, Al- Azhar University	7/2014-1/2017
Assistant lecturer in Power and Electrical Machines department, Faculty of Engineering, Cairo, Egypt	3/2017-3/2021
Lecturer in Power and Electrical Machines department, Faculty of Engineering, Al- Azhar University	8/2021- Up to now
Deputy Director of the Quality Assurance and	1/2026- Up to now

Accreditation Unit, Faculty of Engineering, Al-Azhar University	

Academic Experience, Research Supervision & Administrative Roles

Lecturer – Electrical Power and Machines Engineering Faculty of Engineering, Al-Azhar University

- Teaching undergraduate and postgraduate courses in Electrical Power Systems, Electrical Machines, Renewable Energy Systems, and Power System Analysis.
- Supervising undergraduate graduation projects in electrical design, power generation, and renewable energy applications.
- Supervising Master's and PhD theses in the fields of:
  - New and Renewable Energy Systems
  - Power System Enhancement and Optimization
  - Smart Grids and Intelligent Energy Management
  - Electrical Grid Stability and Modernization
- Coordinating postgraduate studies within the department, including academic advising and follow-up of postgraduate research activities.
- Serving as a member of the Education and Student Affairs Committee, contributing to curriculum development and academic decision-making.
- Acting as Deputy Director of the Quality Assurance Unit at the faculty level, supporting accreditation activities, quality improvement plans, and academic performance evaluation.

Teaching Experience

I am actively involved in teaching undergraduate and postgraduate courses at the following institutions:

- Faculty of Engineering, Al-Azhar University, Cairo, Egypt

Courses Taught Include:

- Electrical Power Systems
- Power System Analysis
- Electrical Machines

- Electrical Power Generation and Economics
- Renewable Energy Engineering
- Wind and Solar Power Systems
- Smart Grids and Modern Power Networks
- Power Electronics
- Automatic Control
- Electrical Circuits
- Engineering Mathematics
- Electronic Instruments and Measurements
- MATLAB / SIMULINK Applications
- Simulation of Electrical Energy Networks
- Maintenance of Electrical and Emergency Systems
- Computer Applications (Word, Excel, PowerPoint)
- Introduction to Computing and Its Applications

Supervision of Postgraduate Students

- Supervising 15 M.Sc. and PhD students

Personal Skills and Attributes

- Fluent in English, both written and spoken.
- Arabic is the native language.
- Highly ambitious, self-motivated, diligent, and professional in approach.
- Strong interpersonal and communication skills, capable of working effectively both independently and within teams.
- Committed to leveraging my expertise and qualifications in a leadership or senior academic/technical role at a reputable organization or institution.

Publications

1- Aliaa Freej , Asmaa Sobhy Sabik , and Ibrahim A. Nassar "Performance Improvement of Photovoltaic Panels Through Advanced Fault Detection Techniques", Processes 2025, 13, 3831. https://doi.org/10.3390/pr13123831

2- Areeg Ebrahiem Elngar, Asmaa Sobhy Sabik *, Ahmed Hassan Adel and Adel S. Nada" Comparative Performance Evaluation of Wind Energy Systems Using Doubly Fed Induction Generator and Permanent Magnet Synchronous Generator"Wind2025, 5, 31.https://doi.org/ 10.3390/wind5040031

3- Improvement of Congestion Management in Deregulated Power System Considering Voltage Stability and Loss Minimization. Journal: International

Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2005-4238 (print) Volume: 9 Issue: 5 Date: June 2020

4- Asmaa Sobhy Sabik, EL Saeed Osman, Mohamed Ebrahim El sayed "Development of Optimized Methodology for Improvement Domestic Energy Management" International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4, November 2019.

5- Improvement Congestion Management by Optimal Choice and Allocation of FACTS Controllers and Distributed Generation Journal: International Journal of Advanced Science and Technology (IJAST) ISSN: 2249-8958 (Online) Volume: 29, No.4, (2020), PP.10859-10869.