

APPENDIX B – FACULTY VITAE

Name: Koran Ali Namuq

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1. Education:

- M.Sc., Electronic and Control Technical Engineering, University of Altinbas, Turkey, June 2023
- B.Sc., Electronic and Control Technical Engineering, Northern Technical University, Iraq July 2016.

2. Academic Experience:

- Manager of postgraduate studies division, Northern Technical University, Technical Engineering College of Kirkuk, Iraq (15/1/2024 – Present)
- Faculty member and lecturer, Technical Engineering College, Kirkuk, Iraq (1/6/2023 - Present)
- Faculty member and lecturer, Kirkuk Private Institute for Oil and Gas scientific, Kirkuk, Iraq (1/10/2016 – 1/10/2019)

3. Non-Academic Experience:

4. Certifications or Professional Registrations:

- English Language course: Intermediate level course with duration (Three month).
- SEpog: Solar Energy and its operation system.
- ISO 10013: Documentation
- SOPs: Standard Operating Procedures for writing and maintenance.
- GLP: Good laboratory Process

5. Current Membership in Professional Organizations:

- Iraqi Engineers Syndicate - Kirkuk
- Kurdistan region of Iraq Engineers Syndicate - Erbil

6. Honors and Awards:

7. Principal Publications and Presentations of Past Five Years:

- Namuq, K. A. N. (2023). *Automatic control of PV array reconfiguration under partial shading conditions* (Master's thesis, Altınbaş Üniversitesi/Lisansüstü Eğitim Enstitüsü).
- Namuq, K. A., Siddiq, A. I., & Abdulkader, H. (2023). Dynamic reconfiguration of PV array under partial shading condition by using automatic switching.

8. Service Activities:

University:

College:

- Manager of postgraduate studies division (2024-present)

Journal Reviews:

9. Professional Development Activities:

10. Miscellaneous:

Computer Skills:

- Microsoft Office
- Matlab/Simulink/GUI
- Ansys and Ansys workbench
- Multisim (One year)
- Visual Basic
- AUTOCAD (2D/3D)
- Arduino IDE

Languages:

- Kurdish- native language
- Arabic – Fluency in speaking, reading, and writing.
- Turkish- Upper intermediate in speaking, reading, and writing.
- English - Upper intermediate, reading, and writing.

Other:

- Iraqi Engineers Syndicate - Kirkuk
- Kurdistan region of Iraq Engineers Syndicate - Erbil

11. Publications:**I. Patent:****II. Journals**

1. Namuq, K. A. N. (2023). *Automatic control of PV array reconfiguration under partial shading conditions* (Master's thesis, Altınbaş Üniversitesi/Lisansüstü Eğitim Enstitüsü).
2. Namuq, K. A., Siddiq, A. I., & Abdulkader, H. (2023). Dynamic reconfiguration of PV array under partial shading condition by using automatic switching.

III. Conferences