



1. Name and Academic rank: Abdallah El Ghaly, Assistant Professor, full-time at Beirut Arab University

2. Education: Degrees, discipline, institution and date:

Ph.D., Electrical Engineering, Beirut Arab University 2022

M.S., Electrical Engineering, Beirut Arab University 2016

B.S., Electrical Engineering, Beirut Arab University, 2013

3. Academic experience

- Beirut Arab University, Assistant Professor, 2022- present, full time
- Beirut Arab University, Lecturer, 2019- 2022, full time

4. Non-academic experience

- Consult sarl from 2013 till 2019. Electrical Engineer at Electrical design and consultancy company. Preparing electrical design drawings and calculations for different types of projects; residential, commercial, healthcare, and infrastructure

5. Certification or professional Registration

- Order of Engineering Lebanon

6. Current membership in professional organizations

- IEEE membership
- IEEE PES membership
- IEEE - Lebanon Joint Chapter, IE13/PE31/CAS04/PEL35 Committee member 2023 (CH08625)

7. Honors and Awards:

- Jamal Abdelnaser award- 1st place undergraduate studies- Beirut Arab University
- IEEE- ICRERA2022- Outstanding paper Award

8. Service activities

- 2024 Reviewer at Computers and Electrical Engineering-Elsevier
- 2024 Reviewer at International Journal of Renewable Energy Research
- 2023 Society service member-Beirut Arab University



- 2022 Laboratory Committee member-Beirut Arab University
- 2022 BAU Journal-Science and Technology- Reviewer
- 2022 IEEE-IC2SPM 2022 conference reviewer
- 2021-2022 Research Committee member-Beirut Arab University
- 2021-2022 BAU Engineering Entrance Exam coordinator
- 2021-2022 Management and operation of the energy system in Dibbiyeh Campus-committee member- Beirut Arab university
- 2017-2018 ABET Advisory Board

9. Principal publications and presentations from the last five years:

9.1 Textbook

9.2 Journal Publications

- A. El Ghaly, M. Tarnini, N. Moubayed, and K. Chahine, "A Filter-Less Time-Domain Method for Reference Signal Extraction in Shunt Active Power Filters," *Energies*, vol. 15, no. 15, p. 5568, Jul. 2022, doi: 10.3390/en15155568.
- K. Chahine, M. Tarnini, N. Moubayed, and A. El Ghaly, "Power Quality Enhancement of Grid-Connected Renewable Systems Using a Matrix-Pencil-Based Active Power Filter," *Sustainability*, vol. 15, no. 1, p. 887, Jan. 2023, doi: 10.3390/su15010887.
- M. Tarnini, M. Alsayed, A. El Ghaly, and K. Chahine, 'Towards Energy Sustainability in University Campuses: A Case Study of Beirut Arab University', *Sustainability*, vol. 15, no. 9, p. 7695, May 2023, doi: 10.3390/su15097695.
- M.Tarnini, K.Saab, A. El Ghaly, 'A Power Electronic Controller Based Algorithm for Output Power Prediction of a PV Panel', *IJRER*, no. V32i3, 2023, doi: 10.20508/ijrer.v13i3.13946.g8791.

9.3 Conference Proceedings

- A. E. Ghaly, M. Tarnini, N. Moubayed, and K. Chahine, "Hybrid Active Power Filter Using a Filter-Less Extraction Technique," in *2022 11th International Conference on Renewable Energy Research and Application (ICRERA)*, Istanbul, Turkey, Sep. 2022, pp. 452–454. doi: 10.1109/ICRERA55966.2022.9922826.
- M. Tarnini, A. El Ghaly, and N. Moubayed, "SVPWM Inverters for Photovoltaic Systems Applications," in *2023 IEEE 4th International Multidisciplinary Conference on Engineering Technology (IMCET)*, Dec. 2023, pp. 144–149. doi: 10.1109/IMCET59736.2023.10368267.

10. Professional development activities in the last five years

- IEEE-ICRERA2022- Outstanding paper Award-Istanbul Turkey



- Design, study and supervision of the 500kW on-grid PV solar energy project at Beirut Arab University
- Reviewer in IEEE-IC2SPM 2022
- Reviewer in the BAU journal
- IEEE - Lebanon Joint Chapter, IE13/PE31/CAS04/PEL35 Committee member 2023 (CH08625)
- Reviewer in IJRER journal
- Reviewer at Computers and Electrical Engineering-Elsevier