

1. Name

Yara Khawaja

2. Education – degree, discipline, institution, year

- Ph.D., Electrical, Electronic and Computer Engineering / Renewable Energy Engineering, Newcastle University, UK, 2019.
- M.S., Computer Science, Al Balqa' Applied University, Jordan, 2013.
- B.S., Electrical Power Engineering, Yarmouk University, 2007.

3. Academic experience – institution, rank, title, when, full time or part time

- Applied Science University, Faculty of Engineering and Technology, Assistant Professor in Renewable Energy Technology department, 2019-present.

4. Non-academic experience – company or entity, title, brief description of position, when, full time or part time

- King Abdullah II Fund for Development, King Abdullah II Fund for Development, 2007-2010.

5. Certifications or professional registrations

- Registered Engineer, Jordan Engineers Association, 2017.

6. Current membership in professional organizations

- Jordan Engineers Association.
- Arab Network for Hydrogen Research Centers.

7. Honors and awards

- Scholarship from Applied Science Private University for obtaining PhD Degree in Electrical, Electronic and Computer Engineering / Renewable Energy Engineering from United Kingdom from 2016 to 2019.

8. Service activities

- Chair, Marketing and Community Service Committee, Applied Science Private University, 2019-present.
- Member, Arab Network for Hydrogen Research Centers, 2022-present.

9. The most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation

- Yara Khawaja, Adib Allahham, Damian Giaouris, Charalampos Patsios, Sara Walker, Issa Qiqieh, "An integrated framework for sizing and energy management of hybrid energy systems using finite automata", Applied Energy, Volume 250, 2019, Pages 257-272.
- Yara Khawaja, Issa Qiqieh, Jafar Alzubi, Omar Alzubi, Adib Allahham, Damian Giaouris, "Design of cost-based sizing and energy management framework for

- standalone microgrid using reinforcement learning", Solar Energy, Volume 251, 2023, Pages 249-260.
- Yara Khawaja, Nathan Shankar, Issa Qiqieh, Jafar Alzubi, Omar Alzubi, M.K. Nallakaruppan, Sanjeevikumar Padmanaban, "Battery management solutions for li-ion batteries based on artificial intelligence," Ain Shams Engineering Journal, 2023, 102213.
 - Shadid, Reem, Waseem Shadid, and Yara Khawaja. "Recognizing Traffic Lights of Interest for Vehicle Driver without Prior Information." International Journal of Advances in Soft Computing & Its Applications 15.2 (2023).
 - Reem Shadid, Yara Khawaja, Abdullah Bani-Abdullah, Maryam Akho-Zahieh, Adib Allahham, "Investigation of weather conditions on the output power of various photovoltaic systems," Renewable Energy, Volume 217, 2023,119202.

10. The most recent professional development activities

- Workshop on Scopus Training, November 07, 2022.
- Workshop on Moodle Essential and Exams, Applied Science Private University, October 28, 2021.
- Workshop on Microsoft Teams, Applied Science Private University, October 28, 2021.
- Workshop on Scientific Research and Promotions, Applied Science Private University, October 28, 2021.
- Workshop on Instructional Design for ELearning, July 26, 2021.
- Training Programme for STEM Early Career Academics in Jordanian Universities, November, 2019 – February, 2020.