

Curriculum Vitae

Akinola Adeyinka BABATUNDE

+90 533 847 7359 | akika_baa@yahoo.com

1. Address: : 1, Pecunia Apt, Univ. Drive, Karaoglanoglu, Girne, Mersin 10 Turkey, TRNC

2. Date of Birth : March 22

3. Title : Asst. Prof. Dr.

4. Education and Work History

Education

Degree	Subject	University	Year
Bachelors	Electrical Engineering	University of Ilorin, Nigeria	2005
Masters	Energy Systems Engineering	Cyprus International University	2014
PhD	Energy Systems Engineering	Cyprus International University	2018

Work History

Girne American University	Full Time Academic Staff	Sept 2018 till date
Middle East Technical University North Cyprus Campus	Part-Time Instructor	Spring 2020 till date
Cyprus International University	Part-Time Instructor	2016 - 2018
	Full Time Academic Research Assistant	2014 - 2018
	Full Time Info Tech. Research Assistant	2012 - 2014

5. Selected Certifications

Degree	Program	Institution	Year
Certificate of Completion	What Future for Education	University of London and UCL Institute of Education, London.	2017
Certificate of Completion with Distinction	Inspiring Leadership through Emotional Intelligence	Case Western Reserve University, Cleveland, USA.	2014
Certificate of Completion with Distinction	Developing Innovative Ideas for New Companies: The First Step in Entrepreneurship	University of Maryland, USA.	2014
Honor Code Certificate of Completion	Solar Energy	EdX/Delft University of Technology, The Netherlands.	2013
Record of Completion	Solar Training and Renewable Education	Solar Energy International, USA.	2013
Certificate of Completion	Project Management	JK Michaels	2011

6. Awards.

- Best Researcher, African Students Grand Awards (ASGA) 2018, North Cyprus
- Best Leader, African Students Grand Awards (ASGA) 2018, North Cyprus
- Most Influential Personality, ASGA 2017 & ASGA 2018, North Cyprus

7. Administrative Duties.

- Head of Department, Energy Systems Engineering, Girne American University (GAU)
- Student Advisor (GAU): 2018-2020
- Student Advisor (CIU): 2017-2018
- President of PATRAL: 2015 till date
- Personal and Professional Development Training
 - Convener, Seminars, Workshops & Conferences
 - Executive Host, Project Speak Contest

8. Masters and PhD Dissertations (Theses).

8.1 Master Theses.

Evaluation of field data and three simulators' results for photovoltaic systems in North Cyprus.

8.2 PhD Theses.

Impact of dust, tilt angle and orientation on performance of PV plants, and predictive analysis of specific yield.

9. Publications.

9.1 SCI/SCIE Publications

- Predictive analysis of photovoltaic plants specific yield with the implementation of multiple linear regression tools, 2018. *Environmental Progress and Sustainable Energy*.
<https://doi.org/10.1002/ep.13098>
- Analysis of the impact of dust, tilt and orientation on performance of PV plants; 2018. *Renewable and Sustainable Energy Reviews*.
<https://doi.org/10.1016/j.rser.2018.03.102>
- A guide in installing large-scale PV power plant for self-consumption mechanism; 2016. *Solar Energy*; 132:518-537.
<https://doi.org/10.1016/j.solener.2016.03.035>
- Evaluation of field data and simulation results of a photovoltaic system in countries with high solar radiation; 2015. *Turkish Journal of Electrical Engineering and Computer Science*.
<https://doi.org/10.3906/elk-1402-313>
- Entropy generation minimization in a parabolic trough collector operating with SiO₂-water nanofluids using genetic algorithm and artificial neural network; 2020. *Thermal Science and Engineering Applications*.
<https://doi.org/10.1115/1.4044755>
- A biomass-integrated comprehensive energy system: thermodynamics assessment and performance comparison of sugarcane bagasse and rice husk as input source; 2020. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*.
<https://doi.org/10.1080/15567036.2020.1824037>

9.2 International article publications

- Assessment of solar water heating in Cyprus: utility, development and policy; 2017. *International Journal of Renewable Energy Research*.
- A review of renewable energy potential in Nigeria: Solar power development over the years; 2017. *Engineering and Applied Science Research*.

9.3 International book publications or participation in book chapters

Academic and Scientific:	<i>Photovoltaic system performance in countries with high solar radiation: A case study of Northern Cyprus, LAP Lambert Academic Publishing</i>
Personal and Professional development:	<i>Establish Your Empire: Don't Just Master the Game, own The Game</i>

10. Selected undergraduate projects supervised

- Analysis of impact of tilt angel and orientation on performance of PV plants
- Effect of inverter-based cleaning on the performance of photovoltaic systems
- Technical, economical and environmental analysis of installing a medium scale PV plant in GAU elementary school.
- Effect of shading on PV system performance
- Influence of air temperature on the performance of PV plants
- Impact of wind shear on the output of wind power plants
- Effect of humidity and wind on PV plants
- Optimization of a photovoltaic system
- Analysis of a 17 kW PV power plant and performance improvement
- Technical analysis of using solar tracking on fixed PV systems

11. Selected courses taught at undergraduate and graduate levels

- Fundamentals of Electrical and Electronics Engineering
- Photovoltaic Power Systems
- Wind Energy Technology
- Alternative & Renewable Energy Technologies
- Energy And Environment
- Energy Savings
- Energy Efficiency & Management
- Energy Systems Modeling, Analysis & Simulation
- Energy Systems 1 & 2
- General Physics 1
- Differential Equation & Linear Algebra
- Pre-Calculus & Calculus
- Graduation Projects 1 & 2

12. References

Available on Request