

GRACE EFUA AMPONSAH  
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## EDUCATION

Environmental Science Graduate Program- **Master's program** 2023- present  
Thesis: Evaluating spatial variation in flight of *Lymantra dispar* to inform containment managements.

EARTH UNIVERSITY, Limon, Costa Rica, **Licentiate Degree in Sustainable Agriculture** Equivalent to a B.Sc. (Ag.), at EARTH University in Costa Rica. Jan 2018-Dec 2021  
Thesis: Impact of Public Policy Interventions on Welfare of Cocoa Farmers in Ghana and Togo

## MS and PH.D. RESEARCH INTERESTS

1. Spatial temporal dynamics of invasive pests for forest conservation.
2. Modeling coupled human and natural systems.

## HONORS AND AWARDS

1. Environmental Science Graduate Program funding 2023- 2025
2. Conference of youth 17 and Conference of Parties 27 all expenses travel funds to Egypt 2022
3. African Youth Leadership and Entrepreneurship conference Rwanda **\$2500** grant for outreach project in Ghana 2022
4. Wege Foundation Scholarship undergraduate full scholarship **\$29,976** yearly For tuition, health insurance, accommodation, and stipends 2018-2021
5. V, VI, VII, and VIII creative writing competition Earth 2018 - 2021
6. Best Agribusiness Award with Golden Eggs 2019
7. 2018 Ford Price **\$25,000** for project implementation 2018
8. Women In Science Camp all expenses travel funds in Rwanda 2015
9. Campaign for female education full Scholarship for high school 2013-2016

## CONFERENCES AND PRESENTATIONS

1. **Amponsah, G. E.**, A.M. Liebhold, Onufrieva, K.S. and S.F. Ward. Evaluating spatial variation in the flight period of *Lymantria dispar* to optimize the timing of slow-the-spread surveillance and treatments. Entomological Society of America. Maryland, U.S.A. November 6, 2023.
2. **Amponsah, G. E.**, Pasco, A., Duren, E. and Ayala, L. The use of entomopathogenic fungi to control Asian citrus psyllid in citrus under protective screen. Florida Growers annual citrus show. Fort Pierce Florida, U.S.A. April 2023.
3. **Panel Speaker** at the campaign for female education entrepreneurship trade fair. Tamale, Ghana. December 2022
4. **Panel speaker** at the ANIJIE Global Gender and Climate conference. Accra, Ghana. December 2022
5. Presented the **National Youth Statement** at the United Nations framework convention of climate change conference of youth. Sharm El Sheikh, Egypt. November 2022.
6. **Panel speaker** at the European union Ghana post climate week discussion. Accra, Ghana. September 2022.

## PUBLICATIONS

1. Wu, S., Dong, Z., Cai, C., Zhu, S., Shao, Y., Meng, J., ... & **Amponsah, G. E.** (2023). Identification of extreme droughts based on a coupled hydrometeorology index from grace-derived twsa and precipitation in the yellow river and yangtze river basins. *Water*, 15(11), 1990. <https://doi.org/10.3390/w15111990>

## WORK EXPERIENCE

UNIVERSITY OF FLORIDA IRREC RESEARCH CENTER Jan 2023-July 2023  
Project: Testing the persistence of fungal spores on citrus leaves using commercial adjuvant under a rain simulator

CAMFED GHANA. MASTERCARD foundation fellowship program Jan 2022 -Dec 2022

- Overseeing Climate-smart Agricultural development among youngwomen in over 36 districts of Ghana
- Connecting women with opportunities through strategic partnerships

UNITED YOUTH INITIATIVE AFRICA Youth-Led Climate Organization Jan 2021-Dec 2022

- Working as partnership and engagement manager
- In charge of research and learning on various climate-related topics

EARTH UNIVERSITY. Golden Eggs. *Business Project.* Feb 2018 – Sept 2020

- Worked as both general and financial manager of the agribusiness.
- Planned and executed the business' social impact in a neighboring Poultry farm.
- Fostered coordination, teamwork, and good work ethics among business partners.
- Won the second prize in a sustainability contest for the best agribusiness idea of the year.

A FARM FOR ME. Agribusiness start-up Ghana. Jan 2020- Jan 2022

- Working as the head of the research development department, proposing, and implementing sustainable components to the farms.

### **VOLUNTEER EXPERIENCE AND INTERSHIPS**

LAKESYDE FARM GHANA. Agribusiness internship experience May 2021 – Sept 2021

- Oversaw the production, harvesting, and export of Okra plantation.
- Developed a business plan for a new branch of the farm in the Volta region.
- Participated in routine activities like installation of irrigation systems, composting, and preparing substrates.

DIRT TO POWER INITIATIVE, Costa Rica, Production, and sales manager June 2018 – May 2020

- Organized sensitization campaigns on alternative waste management in the Guacimo Technical college.
- Fundraised **\$25 000** for the implementation of the project in Nigeria (2018 Ford prize).

VILLA BLANCA CLOUD FOREST RESERVE, Agribusiness internship experience June 2019

- Facilitated outdoor learning experiences for tourists interested in precision farming.
- Maintained daily supply of vegetables and eggs for the Villa Blanca restaurant and spa.

EARTH UNIVERSITY, Costa Rica, Academic professional experience Jan 2018 – 2019

- Worked in integrated organic farm, integrated animal farm, peri-urban farm, waste management, farm laboratory services, agroforestry, and community project services.
- Led the community outreach team for a year and worked with community farmers on developing soft skills to grow their work relations.

### **LANGUAGES**

Fluent in English, Conversational in Spanish, and Fluent in Pidgin and Fanti dialects.

### **SKILLS AND INTERESTS**

1. Experience in Agri-Entrepreneurship: business plan and proposal writing.
2. Experienced in research enumeration and data analyses.
3. Fluent programming languages: R, Stata, BioSim.
4. Graphic designing, video editing, and photography.
5. Outstanding intercultural and interpersonal skills