

FELICIA AMENYO

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EDUCATION

- PhD in Urban Forestry and Natural Resources, August 2021 – Southern University And A&M College, Baton Rouge, LA. GPA = 4.0
 - o How environmental factors in Louisiana affect the performance of *Lilioceris cheni* (Chrysomelidae), a biological control agent of air potato. PhD Dissertation, 2021

- MS in Urban Forestry and Natural Resources, May 2018 – Southern University And A&M College, Baton Rouge, LA. GPA =3.83
 - o Canopy cover evaluation and relationship establishment of factors influencing soil erosion for southern university's Mississippi Scott Bluff. Master's thesis, May 2018

- BS in Forest Resources Technology, June 2014 – Kwame Nkrumah University of Science and Technology, Kumasi, Ghana
 - o Status and spatial distribution of kob (*kobus kob*) at Shai Hills Resource Reserve, Ghana. Bachelor's thesis, May 2014

WORK EXPERIENCE

- **Graduate Assistant, Department of Urban Forestry and Natural Resources, Southern University, Baton Rouge, LA, January 2016 to date**
 - o Supervised data collection and analyses to assess the effect of plant canopy cover and soil properties on soil erosion in Louisiana.
 - o Experienced in the establishment and maintenance of insect (Air potato beetle) colony at the Greenhouse and Laboratory.
 - o Experienced in using Laboratory equipment such as Peltier Plate, Environmental growth chamber, DI-1000TC-8 channel data recorder and thermocouples to perform cold/heat tolerant experiments.
 - o Conducting field surveys to determine Air potato beetle's establishment and spread in Louisiana.
 - o Collecting and analyzing data on how winter flooding affect beetle survival using field cages
 - o Collected demographic data to examine plant growth and impact of local herbivores on Chinese tallow saplings in the field.
 - o Engaging in community outreach and volunteer programs to plant trees and sensitize High School students on fresh/organic foods.

- **University Teaching/Research Assistant, Department of Forest Resources Technology, KNUST in Ghana, August 2014 - August 2015**
 - Assisted faculty members and students with data collection and analyses.
 - Organization of field trips and seminar presentations for students.
 - Assisted in the preparation of papers for in-house seminars and external conferences.
 - Monitored and wrote reports on field visits to project sites.

- **Technical Officer, Shai Hills Resource Reserve, Forestry Commission of Ghana, May 2013 – December 2013**
 - Set work schedule and assign various field assistants to their work.
 - Conducted Safaris, field patrols and data gathering on attractions and other activities in the park.
 - Performed administrative activities like making monthly reports on tourists and income.
 - Facilitated community visits and routine checks on visitor facilities.

- **Intern, Resource Management Support Centre, Forestry Commission of Ghana, May 2012 - August 2012 and May 2011-August 2011**
 - Monitored field operations, data gathering on biodiversity and data entry.
 - Plantation survey and writing of monthly reports.
 - Administrative duties

TEACHING AND MENTORING EXPERIENCES

- **Undergraduate students' mentor, Department of Urban Forestry and Natural Resources, 2020-2021**
 - Supervised and mentored undergraduate students during their internship with the Entomology Laboratory.
 - ✓ Engaged them in establishment of Air potato beetle colony (rearing beetles and feeding them)
 - ✓ Planting air potato plants in the Spring of every year and watering them.
 - ✓ Involved them in field trips for data collection for ongoing research.
 - ✓ Guided them in report and semester project writing.
 - ✓ Helped to write and improve their Resumes.

- **Undergraduate Student Lecturer, Department of Urban Forestry and Natural Resources, 2020-2021**
 - Gave a lecture on Urban Plant Health Care with specific emphasis on Integrated Pest management, Insect resistance crops and Sterile-Insect Technique.
 - Gave a lecture on Urban Forest Entomology with emphasis on the steps for biological control: From the discovery until the release of biological control agents.
 - Took students to the field for insect collection, identification in the Lab using microscope and mounting.

PRESENTATIONS AT PROFESSIONAL MEETINGS

- **Amenyo, F.**, Manrique, V., Diaz, R., & Schaffer, C. (2021, March). “Thermal ecology of the air potato beetle: Implications for biological control along environmental gradients”. A poster presented at the South Eastern Branch, Entomological Society of America conference.
- **Amenyo, F.**, Manrique, V., Diaz, R., & Schaffer, C. (2021, March). “Assessing the influence of extreme temperatures on the performance of *Lilioceris cheni* (Coleoptera: Chrysomelidae), a biological control agent of air potato in Louisiana”. A paper presented at the Department of Urban Forestry Graduate Symposium, Southern University.
- Manrique, V., Schaffer, C., **Amenyo, F.**, & Diaz, R. (2021, March). Symposium on “Potential for Multistate Collaborations in Biological Control: Moving Forward Together” Presentation title: “Delivering the goods: Biological control of air potato in Louisiana”. A paper presented at the South Eastern Branch, Entomological Society of America conference.
- Manrique, V., Qi, Y., **Amenyo, F.**, & Marshall S. (2021, March). Symposium on "Equity, diversity, and inclusion in entomology: Accessibility and advocacy". Presentation Title: "Building bridges: Advocate Entomology at minority serving Institutions." A paper presented at the South Eastern Branch, Entomological Society of America conference.
- **Amenyo, F.**, Manrique, V., Diaz, R., & Schaffer, C. (2020, November). “Effect of extreme temperatures on the performance of *Lilioceris cheni* (Coleoptera: Chrysomelidae), a biological control agent of air potato in Louisiana”. A paper presented at the Entomological Society of America National conference.
- **Amenyo, F.**, & Twumasi Y. A. (2019, November). “Comparison of Spatial Resolution Effects of Remote Sensing Images on Urban Forestry Assessment in New Orleans”. A paper presented in the Society of American Foresters (SAF) 2019 National Convention. Louisville, Kentucky.
- **Amenyo, F.**, Ghebreyessus, Y., & Twumasi, Y. A. (2019, April). “Assessing the effects of vegetation cover on soil erosion for the Southern University’s Mississippi Riverbank. A paper presented at the West Texas A&M University Student Research Conference. Texas, USA.
- **Amenyo, F.**, Ghebreyessus, Y., & Twumasi, Y. A. (2019, April). “Plant canopy cover evaluation and relationships of soil properties and erosion for the southern University's Scott Bluff”. A paper presented in the 93rd Annual Meeting of the Louisiana Academy of Sciences. Baton Rouge, Louisiana.

NON-REFEREED PUBLICATIONS

- **Amenyo, F.**, Manrique, V., and Diaz, R. (2021). Manual for Implementing Biological Control of Air Potato in Louisiana. Available on:
https://www.suagcenter.com/assets/suag/Entomology_Content/AP-MANUAL_Final.pdf
- Manrique, V., Courtright, S., and **Amenyo, F.** (2020). Tea Scale Fact Sheet. Available on: https://www.suagcenter.com/assets/suag/Urban_Forestry/Tea-scale--Fact-Sheet.pdf
- Manrique, V., Courtright, S., and **Amenyo, F.** (2020). Buck Moth Fact Sheet. Available on: https://www.suagcenter.com/assets/suag/Urban_Forestry/Buck-moth--Fact-Sheet.pdf
- Manrique, V., Schaffer, C., **Amenyo, F.**, Marshall, S., and Sevor, D. (2019). Southern University Entomology Lab Brochure. Available on:
https://www.suagcenter.com/assets/suag/Urban_Forestry/Entomology-Lab-Brochure---Manrique.pdf
- Manrique, V., Schaffer, C., **Amenyo, F.**, Marshall, S., and Sevor, D. (2019). Air Potato Informational Brochure. Available on:
https://www.suagcenter.com/assets/suag/Urban_Forestry/Air-Potato-Brochure-final-version-2020.pdf

AWARDS AND RECOGNITIONS

- 1st Place winner: PhD Poster competition -- South Eastern Branch, Entomological Society of America conference (March 2021)
- 2nd Place winner: Student 10-minute Oral paper competition - Department of Urban Forestry Graduate Symposium, Southern University (March 2021)
- 1st Place winner: Student 10-minute Oral paper competition – Entomological Society of America National Conference (November 2020)
- A research feature for December 2020/January 2021 Chancellor’s report for the Southern University Ag Center
- Graduate feature for Southern University Chancellor’s Annual Report (2018)

OUTREACH AND EXTENSION

- Volunteer: Baton Roots Community Garden Demo Days (Spring 2019)
- Presenter: The Southern University Rodeo & Trail Ride (February 2020)
- Active on Social Media: Instagram Account featuring research activities conducted at the Entomology Laboratory, Southern University (started April 2020).
https://www.instagram.com/su_entomology_lab/

WORKSHOPS AND TRAININGS

- Career readiness Virtual training – “Municipal and Forestry Policies and Ordinances” (October 2020)
- Career readiness Virtual training – “ISA Arborist certification Preparation and Utility Arborist Job Opportunities” (November 2020)
- Career readiness Virtual training – “Leadership and Agriculture career Building” (November 2020)
- Virtual Seminar- “Boxwood dieback: Molecular detection, in-vitro fungicide efficacy and host susceptibility for managing a new emerging disease caused by *Colletotrichum theobromicola*” (October 2020)
- Career readiness Virtual training – “Urban Forestry Program Administration and Park Management” (October 2020)
- Forest Health Webinar Series 2020. “Tales of Invaders from Two Continents: Air Potato and Brazilian Pepper Tree” (September 2020)
- *Louisiana SciComm Summit* “Linking Stories and Science”. Organized by Louisiana Sea Grant, Louisiana State University (March 2020)
- “Educational Global Climate Modeling (EdGCM)”. Hosted by the Research Institute of Air, Nutrient, Soil, Water, Ecosystem and Remote sensing (ANSWERS), Southern University Agcenter (October 2019).
- "Monitoring wildfires using satellite data and GIS technology". Organized by the Department of Urban Forestry and Natural Resources with the theme "Urban Wildland Wildfire Initiative: Diversity and Wildfire Summit II". Southern University and A&M College, Baton Rouge, Louisiana (February 2019).
- "The Application of Geospatial Information System (GIS) for Good Governance and Sustainable Development". International Conference and Workshop on Good Governance, Entrepreneurship and Grantsmanship for Sustainable Development. The International Center for Information Technology and Development. Southern University and A&M College. College of Business, Baton Rouge, Louisiana (November 2018).
- AGORA and TEEAL workshop, Information Training and Outreach Centre for Africa (ITOCA) and Research4life. Kwame Nkrumah University of Science and Technology. School’s Library, Kumasi, Ghana (October 2014).
- Students’ Representation Council Leadership Seminar. “Unleashing the Leadership in you”. Kwame Nkrumah University of Science and Technology. Faculty of Forest Resources Technology, Sunyani, Ghana (October 19-20, 2012).

COMPUTER SKILLS

- MS-Office programs (Word, Excel, and Power Point)
- RStudio
- Statistical Package for Social Sciences (SPSS)
- ArcGIS

PROFESSIONAL SOCIETIES AND SERVICES

- Entomological Society of America (2020 – present)
- International Society of America (2019 – present)
- Louisiana Academy of Sciences (2019 – present)
- American Society for Photogrammetry and Remote sensing (ARSPS) (2019 – present)
- Graduate Urban Forestry Club, Southern University (2019 – present)

REFERENCES

- **Veronica Manrique (PhD)**
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