

## Curriculum Vitae: Maverick Mariquit

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### **EDUCATION**

- **Ph.D. in Horticulture**, Auburn University, Auburn, Alabama, USA, January 10, 2024 – present (End date: December 31, 2026).
- **M.Sc. in International Horticulture**, Leibniz Universität Hannover, Niedersachsen, Germany, October 15, 2019 – September 22, 2021.
- **B.Sc. in Agriculture major in Crop Science (Horticulture Option)**, Central Mindanao University, Bukidnon, Philippines, June 2, 2010 – March 28, 2014.

### **PROFESSIONAL EXPERIENCES**

- **Graduate Research Assistant**, Horticulture Department, Auburn University, Auburn, Alabama, USA, January 10, 2024 – present.  
*Roles:*
  - Investigate the physiology of fruit crops as affected by agroclimatic variables.
  - Create a strawberry production model that will serve as a decision support tool for growers for efficient crop management.
  - Develop a comprehensive model of the plant and flower phenological cycle of strawberries, with the aim of accurately predicting the duration of each plant phase in an alternative production system.
- **Agriculturist II**, Provincial Government of Agusan del Sur, Mindanao, Philippines, November 15, 2022 – December 31, 2023.  
*Roles:*
  - Formulated the feasibility study and project proposal on agricultural crops in the province of Agusan del Sur.
  - Devised a cost-effective farm for the crops of interest that are suitable for the identified area.
  - Designed the rice nursery trials and assessed its plant growth and development.
- **Agricultural Specialist**, Provincial Government of Agusan del Sur, Mindanao, Philippines, August 22, 2022 – November 15, 2022.  
*Roles:*
  - Provided training and technical support during land suitability survey.
  - Crafted the pineapple production business proposal for Agusan del Sur.
  - Produced nursery trials and assessed the plant growth and development of the tested crops in various locations.

- **Research Scientist**, Dole Philippines Incorporated, Polomolok, South Cotabato, Philippines, February 22, 2022 – August 20, 2022.  
*Roles:*
  - Addressed pineapple plantation problems particularly on physiological disorders (i.e., translucency) and environmental stress (i.e., drought and excessive heat).
  - Carried out practical on-field experiments and observed plant responses microscopically in the research laboratory.
  - Recommended solutions to pineapple issues by analyzing and interpreting the data from the experiments.
- **Intern**, Hansabred GmbH & Co. KG, Dresden, Germany, August 23, 2020 – September 25, 2020.  
*Roles:*
  - Determined the fruit quality parameters of 200 different strawberry varieties such as color and soluble solids, through fruit extraction.
- **Pineapple Area Supervisor**, Del Monte Philippines Incorporated, Cagayan de Oro City, Philippines, October 20, 2014 – January 1, 2019.  
*Roles:*
  - Planned, organized, and directed the operations in pineapple plantation.
  - Monitored and ensured the delivery of fresh pineapples of the desired quality at the appropriate time.
- **Intern**, International Rice Research Institute (IRRI), Laguna, Philippines, May 6 – 25, 2013  
*Roles:*
  - Conducted molecular marker-assisted breeding in rice to improve rice traits based on genotypic assays.

### **MAJOR HONORS AND AWARDS**

- ***magna cum laude* (GPA 1.6)**, Leibniz Universität Hannover, Niedersachsen, Germany, 2021.
- ***cum laude* (GPA 1.5)**, Central Mindanao University, Bukidnon, Philippines, 2014.
- **Deutscher Akademischer Austauschdienst (DAAD) Scholar**, 2019 – 2021.

### **CERTIFICATES AND LICENSES**

- **Research Security Training (Combined) Certificate**. January 13, 2026 – January 13, 2027. Record ID 74578183. Verify at [www.citiprogram.org/verify/?wa1053eb0-6ea3-485f-a1e5-bfdf6edeeaf1-74578183](http://www.citiprogram.org/verify/?wa1053eb0-6ea3-485f-a1e5-bfdf6edeeaf1-74578183).
- **Certificate of Auburn University Basic Responsible Conduct of Research Training for ALL Faculty, Staff, Postdocs, and Students**. November 22, 2025 – November 22, 2028. Record ID 63701226. Verify at [www.citiprogram.org/verify/?w52b1500c-23c5-4cc2-9347-d7a053aa69a0-63701226](http://www.citiprogram.org/verify/?w52b1500c-23c5-4cc2-9347-d7a053aa69a0-63701226).
- **Licensed Agriculturist** (License registration number: 0019505), Professional Regulation Commission, Philippines, June 19, 2014 – June 28, 2026.

### **TRANSFERRABLE SKILLS**

- Generate scientific illustrations through Adobe Illustrator for research manuscript.
- Analyze data and build a crop model using SAS and R Studio, then systematically produce graphs via SigmaPlot software.

## **RELEVANT PRESENTATIONS**

- Mariquit, M., Coneva, E., Bartley III, P., Chaves-Cordoba, B., Ortiz, B., Lawrence, K., Perkins-Veazie, P., Salazar-Gutierrez, M., and Vinson, E. Growth and Yield Performance of ‘Albion’ and ‘San Andreas’ Strawberries under a Hydroponic System. 2026 Southern Region American Society of Horticultural Science Annual Meeting Research Poster. Omni Louisville Hotel, Louisville, KY, USA, January 30 – February 2, 2026.
- Mariquit, M., Coneva, E., Bartley III, P., Ortiz, B., Perkins-Veazie, P., Salazar-Gutierrez, M., and Vinson, E. Evaluation of Two Day – Neutral Strawberry Cultivars Grown Hydroponically in a Greenhouse. American Society of Horticultural Science 2025 Annual Conference. Hyatt Regency, New Orleans, LA, USA, July 28 – August 1, 2025.
- Mariquit, M., Coneva, E., Ortiz, B., Bartley III, P., Perkins-Veazie, P., and Salazar-Gutierrez, M. Strawberry Production in Hydroponic System: Viability and Challenges. 2025 Auburn Research Symposium. Melton Student Center, Auburn University, Auburn, AL, USA, March 26, 2025.
- Mariquit, M., Coneva, E., Ortiz, B., Bartley III, P., Perkins-Veazie, P., and Salazar-Gutierrez, M. Strawberry Production under Drip Hydroponics in Alabama. 2024 Auburn Research Symposium. Melton Student Center, Auburn University, Auburn, AL, USA, March 26, 2024.
- Mariquit, M., Coneva, E., Ortiz, B., Bartley III, P., Perkins-Veazie, P., and Salazar-Gutierrez, M. Evaluation of Strawberry Growth and Development in Hydroponic System. 2024 Southeast Professional Fruit Workers Conference. CASIC Building, Auburn University, Auburn, AL, USA, October 23 – 25, 2024.
- Mariquit, M., Coneva, E., Ortiz, B., Bartley III, P., Perkins-Veazie, P., and Salazar-Gutierrez, M. Strawberry Production in Hydroponic System: Feasibility and Constraints. 2024 College of Agriculture (COA) Graduate Student Research Poster Showcase. Auburn University Alumni Center, Auburn, AL, USA, October 24, 2024.

## **PUBLICATIONS**

- Mariquit, M., Hernández-Martínez, N., Perkins-Veazie, P., Ma, G., Coneva, E., Ortiz, B., Bartley III, P., Lawrence, K., Chaves-Cordoba, B., Vinson, L., and Salazar-Gutierrez, M. 2026. Yield and Fruit Quality of ‘Albion’ and ‘San Andreas’ Strawberry in Hydroponic Culture in Alabama, United States Over a Single Season. *Journal of the American Pomological Society* 80(1): 13-24.
- Mariquit, M., Coneva, E., Ortiz, B., Bartley III, P., Perkins-Veazie, P., and Salazar-Gutierrez, M. Is protected cropping essential for strawberry production? Opportunities constraints, and sustainability: A review. (In review)
- Thesis (M.Sc.): Effect of narrow wavelength red light on strawberry (*Fragaria × ananassa* Duch.) development.
- Thesis (B.Sc.): Oil yield of citronella (*Cymbopogon winterianus* Jowitt) as influenced by harvest age.