

FALAIYE, OLAMIDE OLUWATOSIN

Crop Production Researcher | Agronomist | Academic

PROFESSIONAL PROFILE

Dr. Olamide Oluwatosin Falaiye is a crop production researcher, agronomist and academic with expertise in sustainable crop production, nutrient management and horticultural crop production. He is a Research Fellow in Crop and Pasture Production and Sustainable Environment at the Centre of Excellence in Agricultural Development and Sustainable Environment (CEADESE), Federal University of Agriculture, Abeokuta. His research focuses on crop productivity, nutrient use efficiency, fertilizer management, plant spacing, biostimulants, crop growth, yield and quality. His experience spans scientific research, commercial farm management, agricultural consultancy, greenhouse and irrigation management, organic farming, project management and capacity building. He has authored and co-authored peer-reviewed research on cucumber, rice and other aspects of crop production and contributes to academic and institutional service.

EDUCATION

Institution	Qualification	Year
Federal University of Agriculture, Abeokuta, Nigeria	Doctor of Philosophy (PhD), Crop Production and Sustainable Environment	2023
Federal University of Agriculture, Abeokuta, Nigeria	Master of Agriculture (M.Agric.), Crop Production	2016
Federal University of Agriculture, Abeokuta, Nigeria	Bachelor of Agriculture (B.Agric.), Plant Physiology and Crop Production	2011

RESEARCH AREAS

Crop Production, Sustainable Agriculture, Horticultural Crop Production, Plant Nutrition, Nutrient Use Efficiency, Fertilizer Management, Crop Growth and Yield, Vegetable Crop Production, Biostimulants, Sustainable Agronomic Practices, Greenhouse Crop Production, Post-harvest Quality.

PROFESSIONAL EXPERIENCE

Research Fellow II — Centre of Excellence in Agricultural Development and Sustainable Environment (CEADESE), Federal University of Agriculture, Abeokuta | October 2025 – Date

- Contributes to research and academic activities in Crop and Pasture Production and Sustainable Environment.
- Participates in teaching and institutional service, including CEADESE and university committee responsibilities.

Manager — Lanfa Trading Co. Limited | April 2023 – September 2025

- Managed budgets, staff training, performance reviews, workplace safety, and customer and employee issues.

Agronomist/Manager — Omoluaabi Integrated Farms Nigeria Limited | April 2022 – March 2023

- Managed greenhouse technology, irrigation, farm inputs, organic production, procurement and farm operations.
- Trained beneficiaries in cassava processing, crop multiplication and greenhouse management, and supported good agricultural practices and postharvest loss reduction.

Project Manager (Intern), Farming for Empowerment & Entrepreneurship Development — ProtectOzone Sustainable and Livelihood Initiative | 2019

- Coordinated a community agricultural empowerment project, volunteer activities, youth training in sustainable agriculture, and project data analysis and reporting.

Farm Manager — Ranchland Farms | 2018–2019

- Managed farm operations, sales, marketing, staff supervision, customer relationships and market analysis.

Consultant, Crop Production and Fish Farming — Urban Produce Nigeria | 2016–2018

- Provided crop and aquaculture consultancy, farm-input procurement, experimental design, data analysis and research guidance.

RESEARCH IN PROGRESS

- Effect of Different Seed Priming Methods and Fertilizer Rates on Growth and Yield of Two Habanero Pepper Varieties.
- Effect of Different Fertilizer Rates and Salicylic Acid and Moringa Leaf Extract as Phytostimulants on Yield, Fruit Quality and Nutrient Use Efficiency of Cucumber.

PUBLICATIONS AND CONFERENCE PAPERS

1. Oni, O. E., Adeyemi, N. O., Osunleti, O. S., Falaiye, O. O., Adekunle, E. A., & Ogunwale, R. Y. (2026). Organo-Mineral Fertilizer Rates and Foliar Zinc-Iron Applications Synergistically Enhance Growth, Yield, Nutrient Uptake, and Grain Biofortification of Lowland Rice (*Oryza sativa* L.). *Journal of Plant Science and Crop Production*, 2, 117–141.

2. Falaiye, O. O., Adeyemi, N. O., Oni, O. E., Somoye, R. A., Kasali, A. O., Falaiye, O. M., & Adekunle, E. A. (2026). Growth, phenological response, and yield of cucumber as influenced by variety, plant spacing and NPK fertilizer rate under tropical conditions. *International Journal of Horticultural Science*, 32, 115–125.
3. Kasali, A. O., Makinde, E. A., Falaiye, O. O., & Odesola, K. A. (2024). Effects of Variety and Organomineral Fertiliser Rate on Cucumber Yield and Nutritional Content in Early and Late Seasons. *Agricultura Tropica et Subtropica*, 57, 125–136.
4. Kasali, A. O., Bodunde, J. G., Makinde, E. A., Sobukola, O. P., & Falaiye, O. O. (2024). Response of Cucumber Cultivars to Organomineral Fertilizer Rates in Rainforest Savannah. *Trends in Horticulture*, 7(1), 3582.
5. Falaiye, O., & Peters, O. (2023). The effect of inorganic fertilizer rate on the growth and yield of two cucumber (*Cucumis sativus* L.) varieties in the forest-savanna transition agro-ecological zone of Nigeria. *Research Journal of Agriculture and Forestry Sciences*, 11(1), 1–5.
6. Falaiye, O. O., Bodunde, J. G., Makinde, E. A., Sobukola, O. P., Kasali, A., & Peters, O. M. (2022). The effect of spacing on the growth, phenology and yield of two cucumber (*Cucumis sativus* L.) varieties in the forest-savanna transition agro-ecological zone of Nigeria. *International Journal of Horticulture and Food Science*, 4(2), 96–100.
7. Oni, O. E., Adeyemi, N. O., Falaiye, O. O., & Ajibola, A. O. Synergistic Effects of Arbuscular Mycorrhizal Fungi Inoculation and Foliar Micronutrient Combinations on Yield, Biomass, and Grain Biofortification of Lowland Rice (*Oryza sativa* L.). *Acta Fytotechnica et Zootechnica*. Accepted for publication.
8. Falaiye, O. O., Odedina, J. N., Olowe, V. I. O., & Salau, A. W. (2019). Influence of variety and spacing on Growth and Yield of Okra (*Abelmoschus esculentus* (L.) Moench). *Proceedings of the 37th Annual Conference of the Horticultural Society of Nigeria*, Rufus Giwa Polytechnic, Owo, Nigeria.
9. Falaiye, O. O., Oni, O. E., Kasali, A. O., & Adekunle, E. A. (2026). Agronomic Response of Cucumber to Plant Spacing and NPK Fertilizer under Seasonal Variability in Southwest Nigeria. *1st International Conference on Climate-Smart Agriculture*, Federal University of Agriculture, Abeokuta, Nigeria.

RELEVANT CONFERENCES AND SCIENTIFIC EVENTS

1st International Conference on Climate-Smart Agriculture, Federal University of Agriculture, Abeokuta (2025); Vegetable Production Beginner Programme, East-West Seed (2023); West African Plant Breeding Symposium, Corteva (2021); 37th Annual Conference of the Horticultural Society of Nigeria (HORTSON), Rufus Giwa Polytechnic, Owo (2019).

PROFESSIONAL MEMBERSHIP

Horticultural Society of Nigeria (HORTSON).

UNIVERSITY AND INSTITUTIONAL SERVICE

- Member, Biotechnology Centre Board and Promotion Assessment Panel.
- Member, CEADESE Board.