

CURRICULUM VITAE

January 29th , 2026

NAME

LINKPON Orthia Lidwine Fènou

EXPERTISE FIELD

General Agronomy, Cropping systems improvement (mainly horticultural crops), Ecological Agriculture and Agroecology, Pineapple production, Agricultural Experimentation and Data Analysis, Soil Management and Fertility, Precision Agriculture, Remote sensing, Machine learning.

CONTACTS

Nationality: Beninese

Laboratory of Genetics, Horticulture and Seed Sciences (GBioS)

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EDUCATION

December 2024 to date: PhD student – School of Agricultural Sciences, Crop department, University of Cape Coast, Ghana. Short courses on precision agriculture: AI and ICT in Precision Agriculture, GIS and remote sensing, Integrated Soil fertility, Machine learning and Sensors, Image acquisition, and coursework: Academic writing, Biometry, Physiology of Crop Yield, Geospatial Information Technics, Soil Management.

December 2018 - March 2024: Diploma in Agricultural Engineering – School of Crop Sciences – Faculty of Agricultural Sciences, University of Abomey-Calavi (Republic of Benin)

Thesis title: Ecological alternatives for flowering induction treatment with carbide of calcium in conventional sugarloaf pineapple (*Ananas comosus* [L.] Merrill cv. Sugarloaf) production in Benin Republic

December 2018 – July 2022: General agronomy diploma/Fourth year of the engineering cycle – Faculty of Agronomic Sciences, University of Abomey-Calavi (Republic of Benin)

October 2017 – June 2018: Scientific baccalaureate (Natural sciences) – Series D – Saint Jean-Baptiste de La Salle Catholic College of Akassato.

SPECIFIC TRAININGS ATTENDED

October-December 2025: Certifications and Professional Training, Microsoft Azure AI Fundamentals, ELEVATE- Women Empowerment in AI Program, UNESCO–ICAIRE Initiative | Microsoft Program duration: 5 weeks, Focus areas: Fundamentals of Artificial Intelligence, Azure AI services and cloud-based AI tools, Machine learning concepts, AI ethics and responsible AI, Applied AI use cases

June -July 2025: Esri Certified GIS and Space-Time Analysis Training - June–July 2025

Courses: Space-Time Cube, Space-Time Analysis, Time-Series Clustering, Hot Spot Analysis, Optimized Hot Spot Analysis, Cluster & Outlier Analysis, Statistical Analysis in GIS (Certification).

June-July 2025: Research Data Management organized by eLwazi Open Data Science Platform (eLwazi ODSP), (Certification)

June - July 2025: In-person training course on Geographic Information Systems (GIS) and Remote Sensing Application in Coastal Management held from 30th June to 4th July , 2025 in Cape Coast University in Ghana (Certification).

Avril 2025: Workshop on Introduction to systematic Review and Meta-Analysis, in Cape Coast University in Ghana.

May to July 2024: Webinar on Artificial Intelligence for Food (AI4Food) – University of Guelph; Learn Python from A to Z– YouTube, Webinar Precision Agriculture Maximize quality and productivity with cutting-edge AI – YouTube.

July – August 2023: Short training courses on line on (i) **R-Studio**, (ii) proposal writing, (iii) Advanced statistics and experimental design, and (iv) Academic writing skills – Centre of Excellence in Agri-Food Systems and Nutrition (CE-AFSN) at Eduardo Mondlane University

January– February 2023: Training on the use of **Kobo-collect** software for various research and field survey– Laboratory of Genetics,, Biotechnology and Seed Science

September 2022– November 2022: Training on the use of **QGIS** software for the realization of maps, of the **CROPWAT** software to determine the water needs of the plant and **DSSAT** to simulate crop growth, development, and yield (It integrates soil, crop, weather, and management data to support decision-making in agricultural production) – Laboratory of Genetics, Biotechnology and Seed Science

April – June 2022: Training on the use of R software for statistical analysis – Laboratory of Genetics, Biotechnology and Seed Science, Kaya Online Trainings – Humanitarian Leadership Academy – Strategy thinking _Manage yourself and your tim_ Meeting skills_ Writing a CV _Presentation skills, Word 2019 Advanced – Excel 2019 Advanced – PowerPoint 2019 Advanced.

PROFESSIONAL EXPERIENCES (Recent)

May – November 2024: Assistant Researcher, **Biovalor Project** (Experimental field management and coordination, Agronomic data collection, processing, and database management, Support for research protocol implementation and monitoring), Assistant Researcher, **FRESH Project** (Tomato Quality & Post-Harvest Loss Reduction, Market data collection and quality assessment from producer to consumer) Assistant Researcher, **PNDF Project** (Institutional and enterprise-level interviews for project data collection, systematic literature review to support project design and analysis

January 2023 – April 2024: Conducting two Pineapple Trials for Diploma, Faculty of Agronomic Sciences, University of Abomey-Calavi, Republic of Benin

Skills Acquired: Development and implementation of research methodologies for conducting two pineapple trials, including planning, experimentation, and statistical data analysis; research project management skills from conception to execution, with a focus on optimizing cultural practices for pineapple.

March – July 2023: Field Survey of 308 Pineapple Producers in Five Municipalities of the Atlantic, Faculty of Agronomic Sciences, University of Abomey-Calavi, Republic of Benin

Skills Acquired: Advanced techniques for field data collection and direct interaction with local producers to understand and document their agricultural practices; systematic analysis of the collected data.

July – September 2022: Internship at the Laboratory of Crop production, Physiology and Plant breeding (PAGEV)/Gbios, Faculty of Agriculture Sciences, University of Abomey-Calavi, Benin Republic.

July - August 2021: Internship, *Les Fruits d'Or* (Pineapple Production & Export Company), 1 month (Production operations, quality control, export process support)

CONFERENCE

- **November 2024 : AFCP Conférence satellite site of Benin :** Scientific conférence participation
- **September 2024 : Agroecology Week (Semaine de l'Agroécologie) :** Participation in national agroecology scientific week

PUBLICATION

- Fassinou Hotegni, N., Linkpon, O. L. F., Adjé, C. A. O., Salaou, M. A. B., & Achigan-Dako, E. G. (2025). Fresh Pineapple Agronomy in the Republic of Benin : Recent Trends in Calcium Carbide Use and Producer Perceptions. *Plant-Environment Interactions*, 6(1), e70026. <https://doi.org/10.1002/pei3.70026>

FELLOWSHIP, PRIZES AND GRANTS

- ISF, Ingenieur sans Frontière 2023

LANGUAGE

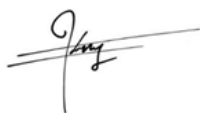
French (1st), English (2nd), Spanish (3rd)

REFERENCES

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I certify that the information provided is correct.



Orthia L. F. LINKPON