

ADELEKE, Deborah Bolu

Abuja, Nigeria

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PROFESSIONAL SUMMARY

M.Sc. holder in Crop Protection (Plant Pathology) and First-Class B.Sc. graduate in Crop Protection, with a deep passion for sustainable agriculture, food security, and innovation-driven research. Proficient in experimental design, data analysis, and the development of bio-based crop protection solutions. Experienced in applying digital technologies to agricultural systems for enhanced productivity and environmental resilience. Dedicated to addressing global agricultural challenges through research, education, and policy engagement.

EDUCATION

University of Abuja, Nigeria (Distinction)

2025

M.Sc. Crop Protection (Plant Pathology)

Thesis: Effect of essential oil and Neem nanoemulsion oil on selected seed-borne fungi and seed vigour of maize (*Zea mays* L.)

University of Abuja, Nigeria (First Class Honours)

2022

B.Sc. Agriculture (Crop Protection)

Thesis: Effects of humus, Albit®, garlic and wood ash extracts on the growth of *Aspergillus flavus* and maize seed vigour

University of Abuja, Nigeria (Distinction)

2016

Remedial (A-level) Sciences

RESEARCH & PUBLICATIONS

- Adeleke, D.B.**, Anjorin, T.S., Ismail, A.A., and Ibrahim O.Y. (2025). Phytotoxic effects of neem oil nanoemulsion on maize (*Zea mays* L.) seed germination and seedling vigour. *International Journal of Pathogen Research*, 14(5), 51-61. <https://doi.org/10.9734/ijpr/2025/v14i5390>
- Adeleke, D.B.**, Anjorin, T.S. (2024). Effect of essential oils and eucalyptus nanoemulsion on toxigenic seed-borne fungi and seed vigour of maize. *African Journal of Agriculture and Allied Science*, Vol. 4(1). 217-230.
- Anjorin, T.S., **Adeleke, D.B.**, Mohammed, I., Larayetan, O.S., Bamisaiye, B.J., Usman, A., Adebisi, O.O., and Olasan, O.J. (2023). Field pests of rice and their management practices by FADAMA III farmers in Abuja, Nigeria. *African Journal of Agriculture and Allied Science*, Vol. 3(2), 56-64.
- Anjorin, T.S., **Adeleke, D.B.**, Bello, F. O., Olowo, J. O. and Akande, A. A. (2022). Effects of humus, Albit®, garlic and wood ash extracts on the growth of *Aspergillus flavus* and maize seed vigour. *African Journal of Agriculture and Allied Sciences*. Vol2 (1), 43-58.

WORK EXPERIENCE

Consultant

February 2025 – January 2026

Nicert Expert Consulting Ltd., Abuja, Nigeria

- Delivered technical training on **global agricultural certification schemes**, including EU Organic, GLOBALG.A.P. and HACCP systems.
- Provided consultancy support for the development and implementation of **quality management systems** (QMS) and traceability protocols in agribusinesses.
- Assisted with **audit preparation**, documentation review, and compliance with international food safety regulations.
- Coordinated administrative duties, stakeholder engagement, and digital documentation processes to enhance **operational efficiency**.

Graduate Research Assistant

November 2023 – July 2024

University of Abuja, Nigeria

- Conducted **experimental trials** on fungal pathogen management, seed viability, and bio-pesticide efficacy under supervision.
- Supported the development of **grant proposals**, literature reviews, and manuscript writing for publication in peer-reviewed journals.
- Led the setup and calibration of **laboratory and field equipment** for plant pathology and seed health tests.
- Collaborated with postgraduate students and faculty in **data collection, analysis**, and academic presentations.
- Assisted in departmental duties, including **course material preparation**, student mentoring, and examination invigilation.

Lecturer Assistant (NYSC)

July 2022 – June 2023

College of Agriculture, Science & Technology, Lafia, Nigeria

- Prepared and delivered lectures on topics in **Crop Protection and Agricultural Technology** to ND I & II students.
- Designed and assessed **practical sessions** and assignments, ensuring alignment with curriculum learning objectives.
- Supported the coordination of academic activities including **examinations, student supervision**, and departmental records.
- Contributed to academic planning, **curriculum development**, and faculty meetings as a junior academic staff member.

Laboratory Assistant – Mushroom Unit

October 2019 – December 2021

Centre for SIWES and Student Mentoring, University of Abuja, Nigeria

- Maintained **aseptic conditions** in the mushroom research laboratory, ensuring equipment calibration and material sterilization.
- Participated in **mycological research** on edible fungi species, including culture development and substrate testing.
- Documented experiment progress, maintained accurate **laboratory notebooks**, and organized research data for analysis.
- Engaged students and SIWES participants in practical training sessions to foster **technical competence**.

Farm Intern (SIWES Program)

December 2019 – May 2020

Teaching and Research Farm, LAUTECH, Nigeria

- Gained hands-on experience in **integrated crop-livestock farming systems**, with emphasis on poultry and ruminant management.

- Participated in **vaccination schedules**, brooding, feeding regimes, egg collection, and general farm hygiene practices.
- Collected field data and maintained **production records** for feed conversion and egg-laying performance analysis.
- Supported administrative processes and contributed to the **day-to-day management** of farm operations.

School Secretary

Holy Way Model School, Kwara State, Nigeria

September 2013 – September 2015

- Managed daily administrative operations including **student admissions**, **file management**, and financial record-keeping.
- Provided frontline communication with parents and school visitors, enhancing **public relations and stakeholder trust**.
- Scheduled meetings, organized events, and maintained digital records for **organizational accountability**.

TRAININGS & CERTIFICATIONS

- **Basic Data Analysis** – *Digiminds Academy* 2024
- **Introduction to Artificial Intelligence** – *La Plage Meta Verse* 2024

LEADERSHIP & VOLUNTEERING EXPERIENCE

- **Facilitator**, Organic Farming Field Learning Initiative 2025
- **Outreach Member**, Youth-Led Agri-Training Program (NYSC) 2022 - 2023
- **Treasurer**, Agro-Allied CDS Group, NYSC 2022 – 2023
- **Financial Secretary**, ACROPS, University of Abuja 2021 – 2022
- **Auditor**, Federation of Igboho Students' Union (National) 2018 – 2019

TECHNICAL SKILLS	CORE COMPETENCIES
• Microsoft Word & Excel • SPSS (basic) • Agricultural data collection tools • Experimental design & field research • Effective science communication	• Agricultural Research & Development • Academic Writing & Publication • Training & Capacity Building • Sustainable Farming Innovation • Digital Tools in Agriculture

AWARDS & HONOURS

- **First Class Honours**, University of Abuja 2022
- **Runner-up: Best Female Agriculture Student**, University of Abuja 2022
- **Recognition for Academic Excellence**, Department of Crop Protection 2022

REFERENCES

Available on request.