OMOLARA SUSANNAH ADENEKAN

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PROFESSIONAL SUMMARY

Veterinarian and Lecturer in the Department of Veterinary Parasitology and Entomology with strong interpersonal, organizational, and communication skills. Committed to excellence in teaching, research, and professional development, with experience supporting laboratory and field-based research and a dedication to advancing veterinary science through collaboration, integrity, and continuous learning.

RESEARCH INTEREST

- Molecular and immunological approaches to the diagnosis of parasitic and vector-borne diseases.
- Arthropod vectors, vector-borne diseases, and parasite transmission dynamics.
- Epidemiology and surveillance of parasitic and zoonotic diseases within a One Health framework.
- Host–parasite interactions and parasite ecology in animal populations.

EDUCATION

Federal University of Agriculture, Abeokuta (FUNAAB) Jan., 2026 – Present
Masters of Science Veterinary Protozoology (in view)

- Investigating the occurrence and species diversity of *Eimeria spp.* In goats using morphological identification and molecular characterization approaches.

Federal University of Agriculture, Abeokuta (FUNAAB) Jan., 2016 – Feb., 2023
Doctor of Veterinary Medicine

- Graduated with a 4.35/5.0 GPA
- Attained distinctions in Veterinary Parasitology, Veterinary Surgery, Veterinary Pharmacology, and Theriogenology
- Maintained a 5.0 GP across two consecutive academic sessions
- Recognized with the Dean's Merit Award as the 2nd Best Student in the 2019/2020 academic session

SKILLS

- Faecal culture
- Microscopy for parasite and vector identification
- Serological diagnostics such as ELISA
- Blood collection and analysis
- Fecal collection and analysis
- Food safety
- Animal health assessment
- Effective communication and presentation.
- Proficient in Microsoft Office Suite
- Strong digital literacy
- Knowledge of pathogen-host interactions and immune response mechanisms
- Strong analytical and data interpretation abilities
- Collaborative teamwork

RESEARCH EXPERIENCE

FEDERAL UNIVERSITY OF AGRICULTURE, ABEOKUTA(FUNAAB) Ogun State, Nigeria
VETERINARY PARASITOLOGY AND ENTOMOLOGY Oct., 2025 – Present

- Involve in laboratory investigations of parasitic and vector-borne diseases of veterinary and public health importance
- Assist in processing biological samples for parasitological analysis
- Contribute to studies on disease transmission dynamics in animal and human populations
- Support research activities on zoonotic parasitic infections and neglected tropical diseases (NTDs)

VACCINE RESEARCH CENTRE Enugu State, Nigeria
Research Assistant Oct., 2024 - Sept., 2025

- Collected and analyzed epidemiological data related to the spread and impact of trypanosomiasis in both human and animal Populations.
- Conducted laboratory experiments related to pathogen-host interactions, immune response studies, and diagnostics.
- Conducted serological assays (e.g., ELISA, Card Agglutination Test for Trypanosomiasis (CATT)) for Trypanosomiasis screening.
- Supported the development and testing of novel diagnostics for early detection of trypanosomiasis in both humans and animals.

FEDERAL UNIVERSITY OF AGRICULTURE ABEOKUTA Ogun State, Nigeria
Undergraduate Student Jan., 2016 - Feb., 2023

- Advanced veterinary parasitology and goat health management through comprehensive research on helminth infections in Nigerian Dwarf goats.

- Analyzed the impact of coat color types on fecal egg counts and packed cell volume, contributing to targeted parasite control strategies.
- Enhanced understanding of field-acquired helminth infections, supporting improved health outcomes in small ruminant populations.

PROFESSIONAL EXPERIENCE

FEDERAL UNIVERSITY OF AGRICULTURE, ABEOKUTA Ogun State, Nigeria
Lecturer Oct., 2025 – Present

- Deliver undergraduate lectures and practical teaching in veterinary parasitology and entomology
- Supervise and guide students during laboratory practical sessions in parasitology and related disciplines
- Support student training in laboratory techniques, including identification of parasites and arthropod vectors of veterinary and public health importance.

WEST AFRICAN INSTITUTE OF PUBLIC HEALTH (WAIPH) Abuja, Nigeria
Virtual Internship Programme June 2024 – Sept., 2024

- Participated in virtual workshops and seminars focused on the latest trends and innovations in public health
- Engaged in continuous professional development by completing training modules on epidemiology, health policy, and global health.
- Participated in online awareness campaigns on nutrition and food safety/security, promoting healthier eating habits and food safety practices.

ONDO STATE MINISTRY OF AGRICULTURE, AKURE SEMI MECHANIZED ABATTOIR Ondo State, Nigeria
Veterinarian/Meat Inspector July 2023– June 2024

- Ensured the quality of slaughtered animals and ensured meat for public consumption are safe, fit and wholesome by conducting daily inspectins with a 95% compliance rate with health regulations.
- Minimized instances of meat borne illnesses by identifying diseased carcasses and properly disposing diseased offal, such as tuberculosis-infected lungs.
- Reduced potential outbreak incidences through active surveillance of cattle markets, enabling early detection of infectious disease outbreaks like Anthrax.

DEPAWS Lagos, Nigeria
Graduate Intern Mar.,2023 – June 2023

- Provided routine treatments and health checkups for pets, with a focus on accurate disease diagnosis and effective treatment plans.
- Increased pet immunity by administering vaccinations against viral and bacterial infections, emphasizing the importance of rabies vaccination due to its public health significance.
- Elevated Client Education on preventive care and the benefits of regular vaccinations.

COURSES AND CERTIFICATION

- Grant Writing and Career Development Training- **The Association of Commonwealth Universities** Apr., 2026
- 7th Nigerian Academy of Science (NAS) Annual Scientific Conference – **Nigerian Academy of Science** Jan., 2026
- Response Preparedness for Zoonotic Disease Outbreaks Using a One-Health Approach - **World Health Organization.** Aug., 2024
- Health Emergency Readiness for Response Operations - **World Health Organization.** Aug., 2024
- Doctor of Veterinary Medicine - **Veterinary Council of Nigeria** May 2023
- Strengthening collaboration between human and animal sectors for improved health security- **World Health Organization** May 2022
- Monkeypox: Epidemiology preparedness and response to Africa outbreak context - **World Health Organization.** May 2022

NON-GOVERNMENTAL MEMBERSHIP

- Certificate of Membership, Junior Chamber International, Nigeria – FUNAAB Sept., 2018
- Member, Nigerian Veterinary Medical Association (NVMA) May, 2023

- Member, Community Development Service Group, Combating Ebola Virus and Other Infectious Diseases (COMEVID)- July, 2023
- Member, American Society for Microbiology (ASM) Apr., 2025
- Member, Parasitology and Public Health Society of Nigeria (PPSN) June 2026

AWARDS & RECOGNITION

Meritorious Certificate
- Director of Publicity, Junior Chamber International, Nigeria – FUNAAB Dec., 2019

MCN Fellow
- Class of 2020, Millennium Fellowship Oct., 2020

Dean's Merit Award
- Dean, College of Veterinary Medicine, FUNAAB Dec., 2021

Award of Service
- Vice President, Association of Veterinary Medical Students (AVMS), FUNAAB Aug., 2022

Award of Leadership
- Academic Coordinator, New Covenant Campus Fellowship (NCCF), FUNAAB Jan., 2023

Conference Travel Award
- Equity in Parasitology scholarship award by Herminthology to attend 16th International Congress of Parasitology Mar., 2026

PUBLICATION AND CONFERENCES

- Chukwudi, C. U., Adenekan, O. S., Chinwendu, J. C., Enwonwu, A. O., Iyi, C. C., Anyaorah, U. H., Ugwu, C. V., John, M. O., Joseph, G. N., Ogugua, A. J., & Anika, S. M. (2025). Field observations on the use of rapid diagnostic tests for Human African Trypanosomiasis in Nigeria. *Frontiers in Tropical Diseases*. Doi: 10.3389/fitd.2025.1638558.
- Presented a poster titled "*Silent Infection, Hidden Reservoirs : Maternal Transmission of Human African Trypanosomiasis in Enugu State, Nigeria*" at 7th Nigerian Academy of Science (NAS) Annual Scientific Conference, Abuja, January 2026.
- Presented a poster titled "*Effects of Helminth Infection on Nigerian Dwarf Goats*" at 16 International Congress of Parasitology (ICOPA), Montréal, Canada, August 2026.