

**DEPARTMENT OF ANIMAL AND ENVIRONMENTAL BIOLOGY, OSUN STATE
UNIVERSITY, P.M.B. 4494, OSOGBO, OSUN STATE, NIGERIA**
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Personal Statement

My research focus on antivenomics, venoms pharmacological application, snake venoms proteomics and toxicity. I have strongly contributed to antivenom research with key outcome on the discovery of kaempferol as a potent antivenom compound against snake venom-induced toxicity. This discovery earned me a patent, facilitated grants awards and provides a framework for the rational design of accessible, plant-based therapeutics to mitigate the burden of snakebite envenoming in Sub-Saharan Africa. My current research trajectory integrates toxinology with drug discovery by discovering active inhibitors from snake venoms capable of modulating key pathophysiological cellular pathways involved in tumor cell induced thrombosis and angiogenesis. This will facilitate the therapeutic discovery for novel application in biomedicine. My strong interest is to apply my research knowledge and skills in translational research for innovative drug discovery that addresses critical global health challenges.

Education

Academic Qualifications

Year of Award

- **University of Ibadan, Ibadan, Nigeria- Department of Zoology**
Doctor of Philosophy in Animal Physiology May, 2024
Thesis Title: Antivenom Activities of *Moringa oleifera* Lam. Leaf Extract against *Bitis arietans* Hal. Venom-Induced Toxicities
- **University of Ibadan, Ibadan, Nigeria- Department of Zoology**
Master of Science in Animal Physiology February, 2015
Dissertation Title: Antivenom Potentials of *Moringa oleifera* Lam. on *Bitis arietans* Hal. -Envenomed Rats
- **Ekiti State University, Ado-Ekiti, Nigeria- Department of Zoology**
Bachelor of Science (Hons) in Zoology August, 2010
Project Title: Gonadosomatic Index, Sex Ratio and Fecundity Studies of *Tilapia zilli* in a Tropical Reservoir, Ero Dam, Ikun- Ekiti, Nigeria.

Relevant qualification

- **IBK Computer and Engineering School, Ado Ekiti.**
Diploma in Computer Appreciation. February, 2010

Skills

- **Laboratory:** Animal Models Research Designs, *in-vitro* and *in-vivo* Biological Testing, Reproductive toxicity assays, Protein Purification, Chromatography, DNA Extraction, Spectrophotometry, Molecular docking (*In silico* Bioactivity Testing), Solvent Extraction Technique, and Handling of experimental animals.
- **Software Packages:** GraphPad Prism, SPSS, MS Excel

- **Specialties:** Toxicology, Physiology, Reproductive Toxicology, Pharmacology. Venomics and Antivenomics, Protein Purification, Pathophysiology, Ecophysiology, Organ Toxicity.
- **Others:**
- Good computing skills
- Excellent communication skills
- Good writing and spoken English
- A team player with clear understanding of ethnic diversities and societal backgrounds
- Dedicated to understanding research problems and unravelling solutions with good instinct for accuracy
- Good experience in academic and research mentoring

Research Activities and Collaborations

Department of Animal and Environmental Biology, Osun State University, Osogbo, Nigeria and Institute of Physiological Chemistry and Pathobiochemistry, University of Münster, Germany

Head of research team: Prof Johannes Eble

On-going Funded Research Collaboration

February, 2026 – Present

- Discovering antagonists of $\alpha 2\beta 1$ integrin pathophysiological functions in *Bitis arietans* and *Echis ocellatus* venoms, their inhibitory mechanisms, and pharmacological significance

Animal Physiology Research Laboratory, Department of Animal and Environmental Biology, University of Ibadan and Department of Zoology Laboratory, Osun State University, Nigeria.

Head of research team: Dr. Akindele Adeyi

On-going Funded Research Collaboration

March, 2024 – Present

- Investigate the antivenom activity of bioactive compounds against isolated enzymes and venoms of medically important snakes in Nigeria using *in silico*, *in vitro* and *in vivo* approaches geared towards the development of drug-based, multi-potent antivenom.

Animal Physiology Research Laboratory, Department of Zoology, University of Ibadan and Department of Animal and Environmental Biology, Osun State University, Nigeria.

Head of research team: Dr. Akindele Adeyi

Research Assistant

January, 2018 – October, 2023

- Confirmed the inhibitory activity of *Moringa oleifera* active fractions against different snake venom and isolated enzymes using *in vitro*, *in vivo* and *in silico* methods
- Investigating the toxicological effects of different snake venoms on reproductive functions using *in vivo* models
- Investigating the geographical variations of snake venoms of different species in six Northern and Southern, Nigeria

Department of Biosciences, COMSATS University Islamabad, Pakistan and Animal physiology research laboratory, Department of Zoology, University of Ibadan, Ibadan, Nigeria.

Head of research team: Dr. Anwar Ullah and Dr. Akindele Adeyi

- Established the antivenom potentials of crude extract of *Moringa oleifera* leaves against snake envenomation using *in vitro* and *in vivo* methods.

Grants

- **Paediatric snakebite prevalence, treatment practices and antivenom availability in hard-to-reach rural and nomadic communities in Osun State, Nigeria - (Principal Investigator).**

Royal Society of Tropical Medicine and Hygiene (RSTMH) in partnership with National Institute for Health and Care Research (NIHR), Early Career Grant Category.

Award no: NIHR25110

January, 2026 – March, 2027.

- **Development of Drug-Based, Multi-Potent Antivenom against Medically Important Nigerian Snakes - (Co-investigator).**

Tertiary Education Trust Fund-National Research Fund (TETFund-NRF) grant,

Award no: TETFund/NRF2023/CC/STI/00075,

January, 2024 – Current.

Patents

- **Ajisebiola, B.S.** and Adeyi, A.O., 2023. An antivenom compound; Kaempferol, RP:F/PT/NC/2023/8240; 21th June, 2023.

Exhibition

- **Ajisebiola B.S.** and Adeyi A.O. Discovery of an Antivenom Compound (Kaempferol), an invention showcased at the Tertiary Education Trust Fund-National Research Exhibition (TETFUND-NRE), held at Eagle Square, Abuja, Nigeria on 17th – 21st November, 2024.

Post Doctoral Fellowships

- Fellow of Alexandra von Humboldt-Stiftung (AvH) at the Institute of Physiological Chemistry and Pathobiochemistry, University of Münster, Germany, 2026 - 2028.
- Fellow of Bayer Science Foundation Research Fellowship (BSF) at the Institute of Physiological Chemistry and Pathobiochemistry, University of Münster, Germany, 2026 – 2028.

Awards and Honors

- Price award for publication of articles in high impact journals indexed in Scopus by University of Ibadan, Nigeria August, 2024
- Award of certificate for completing professional training on Technology for Transformative Pedagogy Course by Osun State University and Pedagogical Leadership in Africa (PEDAL) August, 2021

Memberships

- Parasitology and Public Health Society of Nigeria (PPSN), Nigeria.
- American College of Toxicology (ACT), USA.
- MathTech Thinking Foundation (MTTF), India.
- Society of Toxicology (SOT), USA.
- Royal Society of Tropical Medicine and Hygiene (RSTMH), UK.

Publications

Peer-reviews (+ = First author; * = Corresponding author)

1. Adeyi A.O., Emmanuel O., Itang I.S., **Ajisebiola B.S.**, Kumar, M., Crasset T., Redureau, D., Gobbi A.F., Sunagar K., Quinton, L. 2026. Preliminary Insights into Geographic Variation in Venom Profiles and Functional Activities of Nigerian Snakes, *Bitis arietans* and *Naja nigricollis*. *Toxins*, 18, 221. <https://doi.org/10.3390/toxins18050221>
2. Oyedara, O.O., Olaniyan, S.O., Onakhinor, S.O., Adeyemi, F.M., Wahab, A.A., Sule, W.F., **Ajisebiola, B.S.**, Elufisan, T.O., Akinde, S.B., Adeleke, M.A., 2026. Culturable microbiota of reared mosquito fauna in Osogbo, Nigeria and their potential biological roles: a molecular insight. *BMC Research Notes*. <https://doi.org/10.1186/s13104-026-07832-4>
3. Afolabi O.P., Adeyi O.A., Adeyi E.O., **Ajisebiola B.S.**, Jimoh A.O., Soetan K.O., 2026. *Launaea taraxacifolia* leaf fraction alleviates diabetes nephropathy in rat model via suppression of glucose levels and oxidative stress, with concomitant upregulation of carbohydrate metabolizing enzymes. *Pharmacological Research - Natural Products* 11 100733. <https://doi.org/10.1016/j.prenap.2026.100733>
4. Adeyi A.O., Afolayan F.I.D., Salaam A.R., **Ajisebiola B.S.**, Adeyi O.E., Ajala T.O., Okonji R.E., 2026. Computational Identification of Potential Inhibitors for Dominant Proteins in Viperidae Snakes from FDA-Approved Drugs. *Scientific African*. 31, e03215. <https://doi.org/10.1016/j.sciaf.2026.e03215>
5. **Ajisebiola B.S.***, Afolabi O.O., Toromade A.A., Itang I.S., Oyedara O.O., Adeyi A.O., Eble J.A., 2026. *Naja nigricollis* venom elicits repro-toxicity in organs of female rats: clinical implications of snakebite envenoming on reproductive health. *Toxicon* 273 109001. <https://doi.org/10.1016/j.toxicon.2026.109001>
6. Adeyi A.O., Afolayan F.I.D., Salaam A.R., **Ajisebiola B.S.**, Adeyi O.E., Ajala T.O., Okonji R.E., 2025. Drug repurposing and small molecule screening for phospholipase A2 inhibition in *Naja* species venoms: an integrated *in silico* and *in vitro* approach. *Toxin Reviews*. <https://doi.org/10.1080/15569543.2025.2591040>
7. Oyedara O.O., **Ajisebiola B.S.**, Abioye O.E., Fadare O.A., Olatunji O.A., Adeyemi F.M., Enahoro M.N., Popoola S.F., Oluyide O.O., Adeyemi Z.A., 2025. Evaluation of the pharmacological potential of *Ganoderma lucidum* against haemorrhagic and anticoagulant activities of *Echis ocellatus* venom. *BMC Biotechnology* 25:105 <https://doi.org/10.1186/s12896-025-01044-7>
8. Fagbenro, O.S., Akinyanju, T.F., **Ajisebiola, B.S.**, 2025. Glyphosate-based herbicide induced cytogenetic, haematological and histopathological responses in *Clarias gariepinus* (Burchell, 1882). *The Nucleus* 68(2). <https://doi.org/10.1007/s13237-025-00581-y>

9. **Ajisebiola B.S.^{*+}**, Adebisi O.C., Oyegunle R.O., Adeyi A.O., 2025. Exploring kaempferol's pharmacological potential in mitigating clinical biophysiological and pathological impacts of *Naja haje* venom on respiratory organ in animal model. *Pharmacological Research - Natural Products* 8, 100290. <https://doi.org/10.1016/j.prenap.2025.100290>
10. Abiola J., Aiyelaagbe O., Adeyi A., **Ajisebiola B.S.**, König S., 2025. *Strophantus sarmentosus* extracts and the Strophantus cardenolide ouabain inhibit snake venom proteases from *Echis ocellatus*. *Molecules* 30, 2625. <https://doi.org/10.3390/molecules30122625>
11. **Ajisebiola, B.S.^{*+}**, Adeniyi B.D., Alakoso, M.O., Fapohunda, S.T., Nwanze, K.I., Adeyi A.O., 2024. Therapeutic potency of kaempferol against *Naja haje* venom induced neurotoxicity, inflammation, biological activities, and antioxidant system damage: a pre clinical antivenom evaluation. *Naunyn-Schmiedeberg's Archives of Pharmacology* 398 (5), 5939-5953. <https://doi.org/10.1007/s00210-024-03678-4>
12. **Ajisebiola, B.S.^{*+}**, Toromade, A.A., Oladele, J.O., Mustapha, A.K., Fagbenro, O.S., Adeyi, A.O., 2024. *Echis ocellatus* venom-induced sperm functional deficits, pro-apoptotic and inflammatory activities in male reproductive organs in rats: Antagonistic role of kaempferol. *BMC, Toxicology and Pharmacology* 25:46. <https://doi.org/10.1186/s40360-024-00776-0>
13. **Ajisebiola B.S.^{*+}**, Durodola B.P., Mustapha A.K., Oladele J.O., Adeyi A.O., 2024. Cardio-nephrotoxicity mediated by *Echis ocellatus* venom and its amelioration through kaempferol's suppressive effect on oxidative stress, inflammation, and apoptosis expression. *Clinical Phytoscience* 10:7. <https://doi.org/10.1186/s40816-024-00370-1>
14. **Ajisebiola B.S.^{*+}**, Mustapha, A.K., Oyedara, O.O., Oladele, J.O., Adeyi, A.O., 2024. Kaempferol alleviates neurodegenerative disorders induced by *Naja nigricollis* venom via mechanisms of antioxidants, anti-inflammatory, dopaminergic and neuronal functions. *Phytomedicine Plus* 4, 100584. <https://doi.org/10.1016/j.phyplu.2024.100584>
15. Adeyi, A.O., **Ajisebiola, B.S.^{*}**, Sanni, A.A., Oladele, J.O., Mustapha A.K., Oyedara, O.O., Fagbenro, O.S. 2024. Kaempferol mitigates reproductive dysfunctions induced by *Naja nigricollis* venom through antioxidant system and anti-inflammatory response in male rats. *Scientific Reports*. 14:3933. <https://doi.org/10.1038/s41598-024-54523-w>
16. **Ajisebiola, B.S.^{*+}**, Oladele, J.O., Adeyi, A.O., 2023. Kaempferol from *Moringa oleifera* demonstrated potent antivenom activities via inhibition of metalloproteinase and attenuation of *Bitis arietans* venom-induced toxicities. *Toxicon* 233, 107242 <https://doi.org/10.1016/j.toxicon.2023.107242>
17. Adeyi, A. O., Jimoh, A. O., **Ajisebiola, B. S.**, Adeyi, O. E., Damilohun, S. M., Okonji, R.E., (2023): Inhibition of phospholipase A2 from *Naja haje* and *Naja nigricollis* venoms by active fraction of *Moringa oleifera* leaves: *in vitro* and *in silico* methods. *Toxin Reviews*, 42:3, 629-639. <https://doi.org/10.1080/15569543.2023.2205538>
18. **Ajisebiola, B.S.^{*+}**, Bello, F.T., Osamudiamen, P.M., Oladele, J.O., Adeyi, A.O., 2023. Inhibition of metalloproteinase from *Bitis arietans* venom *in vitro* by the ethyl acetate fraction of *Moringa oleifera* and its chemical profile. *Revista Brasileira de Farmacognosia* 33. 822–830 <https://doi.org/10.1007/s43450-023-00416-4>
19. Adeyi, A. O., Olowookorun, O. T., **Ajisebiola, B. S.**, Labulo, A. Y., Adeyi, E. O., Ibrahim, H. (2023): Biosynthesis, characterization and antivenom activities of *Moringa oleifera* silver,

- nanoparticles; an experimental approach. *The Zoologist* 23: 20-30. <http://dx.doi.org/10.4314/tzool.v23i1.4>
20. Mustapha, A.K., Wahab, M.K., Adegoke, **Ajisebiola, B.S.**, Kolawole, A.A., 2023. Species Composition and Abundance of the Cichlid Fishes in Owalla Reservoir, Osun State, Nigeria. *Dutse Journal of Pure and Applied Sciences (DUJOPAS)*, 9. 4. <https://dx.doi.org/10.4314/dujopas.v9i4a.15>
 21. Surakat, O.A., **Ajisebiola, B.S.**, Mogaji, H.O, Onakhinor, S.O., Lateef, B.O., Fadiji, O., Dauda, O.G., Rufai, A.M., Fasasi, K.A., Adeleke, M.A., Sam-Wobo, S.O. 2023. Knowledge and perception of bioethics among biomedical researchers in Osun State, Nigeria. *Dutse Journal of Pure and Applied Sciences (DUJOPAS)*, 9(1b):34-44. <https://dx.doi.org/10.4314/dujopas.v9i1b>
 22. **Ajisebiola, B.S.^{*,+}**, Fawole, A.B. Adeyi, O.E. Adeyi A.O., 2022. An *in vivo* assessment of inflammatory and oxidative stress responses in *Echis ocellatus*-venom induced cardiotoxicity. *Medicine in Omics*, 5–6, 100017. <https://doi.org/10.1016/j.meomic.2022.100017>
 23. **Ajisebiola, B.S.^{*,+}**, Alamu, P.I., James, A.S., Adeyi, A.O. 2022. *Echis ocellatus* Venom-Induced Reproductive Pathologies in Rat Model; Roles of Oxidative Stress and Pro-Inflammatory Cytokines. *Toxins*, 14: 378. <https://doi.org/10.3390/toxins14060378>
 24. **Ajisebiola B.S.^{*,+}**, Oyinlola R.R, Akintunde S.O., Paul O., Adeyi A.O., 2022. Ethyl acetate fraction of *Moringa oleifera* leaves mollified toxicological activities actuated by *Bitis arietans* (Puff adder) venom. *Nigerian Journal of Pure and Applied Sciences*, 35(2): 4350-4362. <https://doi.org/10.48198/NJPAS/22.A08>
 25. **Ajisebiola, B.S.^{*,+}**, Adeniji, O.B., James, A.S., Ajayi, B.O., Adey, A.O., 2022. *Naja nigricollis* venom altered reproductive and neurological functions via modulation of pro-inflammatory cytokines and oxidative damage in male rats. *Metabolism Open*, 14, 100188. <https://doi.org/10.1016/j.metop.2022.100188>
 26. **Ajisebiola, B.S.^{*,+}**, Adeyi, E. A., Obuye, L. O., Adeyi, O. A. (2022): Neutralizing potency of *Moringa oleifera* Lam. leaves against *Causus maculatus* (Night Adder) venom-induced toxicity. *Pan African journal of life science*, 6(1): 368-377. <https://doi.org/10.36108/pajols/2202/60.0110>
 27. Adeyi, A.O., Mustapha, K.K., **Ajisebiola, B.S.**, Adeyi, O.E., Damilohun, S.M., Raphael, O., 2022. Inhibition of *Echis ocellatus* venom metalloprotease by flavonoid-rich ethyl acetate sub fraction of *Moringa oleifera* (Lam.) leaves; *in vitro* and *in silico* approaches. *Toxin reviews*, 41(2): 476-486. <https://doi.org/10.1080/15569543.2021.1893334>
 28. Adeyi, A.O., Adeyemi, S.O., Effiong, E.-O.P., **Ajisebiola, B.S.**, Adeyi, O.E., James, A.S., 2021. *Moringa oleifera* extract extenuates *Echis ocellatus* venom-induced toxicities, histopathological impairments and Inflammation via enhancement of Nrf2 expression in rats. *Pathophysiology*, 28: 98–115. <https://doi.org/10.3390/pathophysiology28010009>
 29. Adeyi, A. O., **Ajisebiola, B. S.**, Adeyi, O. E., Badru, O. S., Paul, O., Idowu, B. A. (2021): *Moringa oleifera* ethyl acetate fraction ameliorated the pathophysiological and histopathological alterations induced by *Naja katiensis* venom. *Phytomedicine Plus*, 1, 100034. <https://doi.org/10.1016/j.phyplu.2021.100034>

30. **Ajisebiola, B.S.^{*,+}**, Solomon, R., Anwar, U., Adeyi, A.O., 2021. Neutralization of *Bitis arietans* venom-induced pathophysiological disorder, biological activities and genetic alterations by *Moringa oleifera* leaves. *Toxin Reviews*, 40(4): 847-858. <https://doi.org/10.1080/15569543.2020.1793780>
31. Adeyi, O.A., **Ajisebiola, B.S.**, Adeyi, O.E., Adekunle, O., Akande, O.B., James, A.S., Ajayi, B.O., Yusuf, P.O., Idowu, B.A., 2021. *Moringa oleifera* leaf fractions attenuated *Naja haje* venom-induced cellular dysfunctions via modulation of Nrf2 and inflammatory signalling pathways in rats. *Biochemistry and Biophysics Reports*, 25, 100890. <https://doi.org/10.1016/j.bbrep.2020.100890>
32. Adeyi, A.O., **Ajisebiola, B.S.**, Adeyi, O.E., Alimba, G.C., Okorie, U.G., 2020. Antivenom activity of *Moringa oleifera* leave against pathophysiological alterations, somatic mutation and biological activities of *Naja nigricollis* venom. *Scientific African*, 8, e00356. <https://doi.org/10.1016/j.sciaf.2020.e00356>

Manuscripts under review

1. Ajisebiola B.S., Oyedara O.O., Olatunji O.A., Akinrinde A.S., Niland S., Eble J.A. Combined flavonoids attenuate myocardial and renal injury manifestation following viper envenoming via modulation of cTn/CRP/CK/KIM-1/NF- κ B cellular signaling pathways. *Pharmacological Research - Natural Products*

Conferences, Seminar Presentations, Invited Talks and Workshops

Paper presented in conferences

- Ajisebiola B.S., Eble, J.A. (2026). Discovering the $\alpha 2b1$ integrin antagonists with anti-platelet properties in venoms of *Bitis arietans* and *Echis ocellatus*, their inhibitory mechanisms and pharmacological relevance. An Oral presentation at the Network Meeting of the Alexander von Humboldt-Foundation, held at Technical University of Braunschweig, Braunschweig, Germany, from 18 – 20 February 2026
- **Toromade A.A.** (Presenter), Akinsunmi O.O., Ajisebiola B.S., (2025). Antagonistic effect of kaempferol on haematological disorder, antioxidants dysfunction and biological activities induced by *Echis ocellatus* venom. A paper presented (Oral presentation) at the 18th Annual Conference of Zoological Society of Nigeria on Healthy Ecosystems: Path to Productivity and Sustainability at University of Ibadan, 25-28 November, 2025.
- Adeyi A.O., Stephen E.O., **Ajisebiola B.S.** (Presenter), (2023). Biogeographical venom variation of *Bitis arietans* and *Naja nigricollis* from northern and southern Nigeria; implications for antivenom effectiveness. A paper presented (Oral presentation) at the 5th International Conference on Strengthening Scientific Research in Nigeria held at the Faculty of Science, University of Ibadan, 2-5 May 2023.
- Adeyi A.O. (Presenter), Mustapha K.K., **Ajisebiola B.S.**, Adeyi O.E., Damilohun S.M., Okonji R. E, (2021). Inhibitory activities of n-hexane fraction of *Moringa oleifera* leaves (Lam) against phospholipases isolated from *Naja haje* and *Naja nigricollis* venoms. A paper presented (Oral presentation) at the Joint (Virtual) Meeting of Ichthyologists and Herpetologists held at Phoenix Convention Center, 100 North Third Street, Phoenix, Arizona, USA on 26-27 July, 2021.

- Adeyi A.O. (Presenter), Jimoh A. O., **Ajisebiola B.S**, Adeyi O.E, Damilohun S.M, Okonji R. E. *In vitro* and *in silico* inhibitory activities of *Moringa oleifera* leaves n-hexane fraction against phospholipases isolated from *Naja haje* and *Naja nigricollis* venoms. A paper presented (Oral presentation) at the 2021 Annual (Virtual) International Society of Toxinology Conference “Venom and Toxins 2021” held at the Oxford University, United Kingdom on August 23-25, 2021.

Seminar Presentations

- Recent Advances in the Treatment of Type II Diabetes, M. Sc. Seminar paper presented to the Department of Zoology, University of Ibadan, Ibadan, Oyo State.
- Insects Symbiotic Relationships. Undergraduate Seminar paper presented to the Department of Zoology, Ekiti State University, Ado-Ekiti, Ekiti State.

Invited talks

- Seminar presentation on snake envenoming in Nigeria, to commemorate the world Neglected Tropical Disease (NTD) day organised by the Department of Zoology, Osun State University, Osogbo, on 31st of January, 2022.

Workshops

- Ibadan **Doctoral Academy Graduate Grant Writing** Workshop organised by the Postgraduate College, University of Ibadan, Nigeria in Partnership with the Consortium for Advanced Research Training in Africa (CARTA) at University of Ibadan on October 22-31, 2024.
- 10th International Biotechnology Workshop on **Molecular Biology and Bioinformatics (Genomics Hands-on Training)** organised by the Department of Biological Sciences, Covenant University in Conjunction with the Inqaba Biotec West Africa Ltd, held at the Molecular Lab Covenant University, Ota, Ogun State on September 13th – 17th, 2021.
- Research, Community Service, Industry Linkage and Technology Transfer Directorate, Ethiopia in collaboration with MathTech Thinking Foundation, India, a three day Webinar on Publication, **Scopus Indexed Journal** held at MTU, Tepi Campus, Ethiopia on 29th – 31st July, 2021.
- Biomedical training on **Ethics in Biomedical Research and Global best practices in the context of Preventive Chemotherapy Neglected Tropical Diseases (PC-NTDs) Elimination Strategy in Nigeria** by the Department of Zoology, Osun State University, Nigeria in partnership with The Global Health Network (TGHN), University of Oxford, United Kingdom on 16th November, 2020.
- University of Ibadan Medical Education Partnership Initiative Junior Faculty Research Training Programme (UI-MEPIN-J), a Workshop on **Research Design and Methodology** held at Nest Spa & Suites, opposite UCH East Gate, Agodi GRA, Ibadan from January 15-18, 2019.
- Animal Care and Use in Research Education and Testing - Nigerian Institute of Medical Research Collaborative Initiative, a workshop on **Quality Assurance in Animal Based Experimentation in health Research in Nigeria** held at Nigerian Institute of Medical Research - Institutional Review Board (NIMR-IRB) 6 Edmond Crescent, off Murtala Muhammed Way, Yaba, Lagos on 15th June, 2017.

Graduate Research Supervision

Animal Physiology Unit, Department of Animal and Environmental Biology, Osun State University, Nigeria

- 2024/2025 session – 2025/2026 session: 2 students postgraduate (M. Sc) on-going

Undergraduate Research Supervision

Department of Animal and Environmental Biology, Osun State University, Nigeria

- 2019-2020: 2 Students
- 2020-2021: 3 Students
- 2021-2022: 3 Students
- 2022-2023: 6 Students

Teaching and Instruction

Department of Animal and Environmental Biology, Osun State University, Nigeria.

Role: Lecturer I

May, 2024 – present

- Provided teaching and research supervision for undergraduate students in Department of Animal and Environmental Biology and Biological science courses
- Demonstrate and instructs experimental procedures for undergraduate students within the Department.
- Examined and graded students' performances and report same.

Department of Biological Sciences, Enugu State College of Education in Affiliation with Nnamdi Azikwe University, Akwa, Ibadan Study Center, Ibadan, Nigeria.

Role: Assistant Lecturer

May, 2018 – April, 2019

- Developed and presented lectures to undergraduate students
- Demonstrate and instructs experimental procedures for undergraduate students within the department
- Examined and graded students' performances and report same

Olufunmilayo Schools and Colleges, Akure, Nigeria

May, 2017 – April, 2018

Role: Class Teacher

- Provided teaching and mentorships for higher secondary school students
- Organized and implemented field trips

Committees and Service

Journal

- **Assistant Editor** - Uniosun Journal of Basic and Applied Sciences (UJBAS), (2026-present)

Peer Reviewer

- Comparative Biochemistry and Physiology, Part C
- Toxicon
- Letters in Drug Design and Discovery
- Future Journal of Pharmaceutical Sciences
- Revista Brasileira de Farmacognosia
- Advances in Traditional Medicine
- Journal of King Saud University - Science

Institutional

- **University Committee on Maiden Annual Research Innovation Day** – Osun State University, Osogbo. **Member** (June, 2025)
- **University Undergraduate Project Grant** – Osun State University, Osogbo. **Reviewer** (2025 – present)
- **Faculty of Science Examination Committee** – Faculty of Basic and Applied Science, Osun State University. **Member** (February, 2025 – Present)
- **Departmental Examination Officer** - Department of Animal and Environmental Biology, Osun State University. (May, 2019 – Present)
- **Zoological Garden and Maintenance Committee** – Department of Animal and Environmental Biology, Osun State University. **Member** (May, 2019 – Present)
- **Student Industrial Work Industrial Scheme** – Department of Animal and Environmental Biology, Osun State University. **Coordinator** (May, 2019 – July, 2022)
- **Departmental Examination Board** - Department of Animal and Environmental Biology, Osun State University. **Secretary** - (March, 2024 - Present)

Extra-Curricular Activities

Reading, research, meeting people, listening to news, and playing football

Languages

- Native: fluent
- English: proficient

References

Names and contact addresses

- **Akindele Adeyi, PhD**
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