

Okikioluwa Stephen Aladeyelu (Ph.D.)

39 Malcolm Road, Manor Gardens,

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February 22, 2025

The Search Committee,

Dear Sir / Madam

Application for Assistant Professor of Anatomy and Physiology

I would like to express my interest in the Assistant Professor of Anatomy and Physiology position in the Department of Biological Sciences, Fort Hays State University, Kansas, United States. Reviewing the job description, I discovered how well my experience aligns with your needs and requirements for this position. I am drawn to apply because, from the duties and responsibilities attached to this position, I feel your core mission and culture suit what I offer as an academic with teaching and research experiences.

In terms of Teaching:

I have a well-rounded background in the teaching and learning of anatomy and other basic medical and biomedical sciences. I have teaching experience in gross anatomy, histology, basic laboratory techniques, embryology, neuroscience, and physiology, as well as their clinical importance. I have taught different students in different disciplines, including medical students, anatomy students, nursing students, biomedical science students, and students in other allied disciplines such as optometry, physiotherapy, dental therapy, and speech-language pathology.

My teaching experience spans through theoretical and practical/dissection-based teaching, which includes using cadaver dissection in the dissection hall, prosected specimens, models, anatomage tables, and other hands-on modes. I have a strong background in the dissection and prosection of specimens. I have coordinated dissection sessions and led a team of anatomy demonstrators in the prosection of specimens for teaching purposes.

Furthermore, through my early career in teaching up to the present, I have gained numerous experiences in the use of different teaching styles and methods, such as flipped-classroom and online teaching platforms, which include Microsoft Teams and Zoom, to facilitate online practical sessions (using anatomy models with DO-CAM), Q & A tutorials, and small group discussions such as problem-based learning with medical and nursing students, which make me an ideal fit for the position. Additionally, I am experienced in curriculum development, creating new courses, and contributing to existing courses according to institutional needs and values. I have good communication, administration, and course coordination skills and quickly adapt to new environments.

Furthermore, I have leadership experience in heading and holding key positions in departmental committees. I served as the class coordinator during my undergraduate and postgraduate studies and have engaged in some institutional and community services. My previous roles have strengthened my abilities in problem-solving and management, as well as my ability to pay attention to detail and be highly accurate.

In terms of Research:

I have refined talents in the use of basic wet lab techniques (biochemical and immunoassay), microscopy, cadaveric-based (dissection) and endoscopic studies, radio-imaging and microscopic imaging (2D & 3D reconstruction analysis), morphological and morphometric analysis, and well-rounded knowledge in manuscript writing, review writing, and conference presentations, with good publication track record. My research area focused on head and neck, neuroanatomy (temporal region), hearing loss, and neuroscience, collaborating with colleagues within my discipline and other disciplines in health sciences and producing publications in Scopus-indexed journals. I also have a good track record supervising undergraduate and postgraduate students' projects.

In addition, having about two years (to present) of postdoctoral research fellowship experiences in two different institutions of learning, I have been able to advance my supervision, research, and publication skills, as well as my teaching and learning skills. I am a highly motivated Academic and a consistent collaborator. As an adept and highly motivated Academic, I believe the qualities I possess make me an ideal fit for this position. I am, therefore, thrilled to bring my talents and experiences in teaching and research to the Department of Biological Sciences, Fort Hays State University, Kansas, United States, and I look forward to collaborating with faculty members in the Department of Biological Sciences.

Thank you for your time and consideration.

Your Faithfully,

A handwritten signature in black ink, appearing to read 'Okikioluwa Stephen Aladeyelu', is placed over a light blue rectangular background.

Okikioluwa Stephen Aladeyelu *Ph.D.*

Education		
2019-2023	University of KwaZulu-Natal, Durban, South Africa	<i>PhD Anatomy (Clinical Anatomy)</i>
2015-2017	Nnamdi Azikiwe University, Awka, Nigeria	<i>M.Sc. Anatomy</i>
2007-2012	Ladoke Akintola University of Technology, Ogbomosho, Nigeria	<i>B.Tech. (Hons.) Anatomy</i>

Post-Doctorate (Post-PhD)		
2024	University of KwaZulu-Natal, Durban, South Africa	<i>Postdoctoral Research Fellowship (Anatomy- Teaching & Research)</i>
2025-present	Walter Sisulu University, Mthatha, South Africa	<i>Postdoctoral Research Fellowship (Medicinal plant & Nervous tissue)</i>

Research and Professional Experience	
Research Experience	
1. Postdoctoral Research Fellow – Faculty of Medicine and Health Sciences, Walter Sisulu University, Mthatha, South Africa.	2025 – present
Responsibilities:	
<ul style="list-style-type: none">• Research on medicinal plants, toxicity, and the nervous tissues.	
2. Postdoctoral Research Fellow – Department of Clinical Anatomy, University of KwaZulu-Natal, Westville Campus, Durban, South Africa. Host: Prof. Lelika Lazarus	2024
Responsibilities:	
<ul style="list-style-type: none">• Research on head and neck disorders and craniofacial distortion (1 publication; 1 manuscript under review; 2 book chapters in preparation).• Manuscript reviewing, writing and publication, and conference presentations.• Postgraduate co-supervision of Honours, Masters, and PhD students	
3. Research Assistant – Discipline of Clinical Anatomy, Nelson R. Mandela School of Medicine, University of KwaZulu-Natal, Durban, South Africa.	2020
Responsibilities:	
<ul style="list-style-type: none">• Research on the ultrastructural and biochemical analysis of the testis and brain of diabetic rats treated with highly active antiretroviral therapy (HAART) and tenofovir conjugated with silver nanoparticles (4 Publications). P.I.: Dr S.O. Olojede & Dr. S.K. Lawal• Research on the endoscopic and computed tomographic assessment of olfactory fossa depth in relation to functional sinus surgery, anatomical landmarks for localization of anterior ethmoidal artery, and frontal sinus drainage pathway (3 Publications). P.I.: Mr. L. Naidoo	
4. Doctoral Research Student – Discipline of Clinical Anatomy, Nelson R. Mandela School of Medicine, University of KwaZulu-Natal, Durban, South Africa.	2019 – 2023
Responsibilities:	
<ul style="list-style-type: none">• Research on temporal bone pneumatization, air cell growth, middle-ear disease, hearing loss and ear-related surgeries, lateral skull-based surgeries, and traumatic skull fractures- head and neck (4 Publications). Supervisors: Dr. CO Rennie; Dr. AL Sibiya; Dr. WE Mbatha• Co-supervision of Honours and Masters students	
5. Graduate Research Student (Masters) – Department of Anatomy, College of Health Sciences, Nnamdi Azikiwe University (Nnewi Campus), Awka, Nigeria.	2015 – 2017
Responsibilities: Research on protective effect of <i>Moringa oleifera</i> on cadmium-induced toxicity in the liver and kidney (3 Publications). Supervisor: Prof. AL Asomugha	

Teaching Experience

1. Postdoctoral Research Fellow– Faculty of Medicine and Health Sciences, Walter Sisulu University, Mthatha, South Africa. **2025-present**

Responsibilities:

- Teaching sessions up to 10 hours per week.

2. Postdoctoral Research Fellow– Department of Clinical Anatomy, University of KwaZulu-Natal, Westville Campus, Durban, South Africa. **2024**

Responsibilities:

- Teaching anatomy courses (viz. Nervous system- skull & spinal cord; Cardiovascular system- heart chambers; Respiratory system- trachea, lungs & bronchopulmonary segments; Musculoskeletal system- upper and lower limbs; Head and neck anatomy; Digestive system- liver and hepatic portal circulation; and Embryology- development of skull and vertebrae, and face) to medical, nursing, biomedical sciences and allied health science students.
- Course Coordination (ANAT 119- Anatomy of Head, Neck and Back), Assessments (theory and practical tests and examinations), Exam paper moderation and invigilation, Marking and Review of tests and examinations.
- Teaching research courses (viz. Introduction to Quantitative Research; How to Conduct Literature Review; and Referencing Style) to medical science students.
- Teaching research methodology (referencing styles) and scoping reviews to postgraduate students.

2. Teaching Assistant / Gross Anatomy Demonstrator– Discipline of Clinical Anatomy, Nelson R. Mandela School of Medicine, University of KwaZulu-Natal, Durban, South Africa. **2019 – 2023**

Responsibilities:

- Teaching sessions up to 20 hours per month on gross anatomy of head & neck, abdomen, thorax, pelvis, perineum, and upper & lower limbs, neuroanatomy, histology, and embryology to undergraduate medical, nursing, biomedical sciences and allied health science students.
- Demonstration, dissections-based teaching of clinically oriented anatomy to medical and allied health students up to 60 hours per month.
- Participating in the setting of practical examinations (spotters), spotter review, and marking of scripts and script moderation.
- Organizing Q & A tutorial sessions for medical students covering all modules.

3. Facilitator, Problem-Based Learning (PBL)– School of Laboratory Medicine and Medical Sciences, University of KwaZulu-Natal, Durban, South Africa. **2021 – 2023**

Responsibilities:

- Facilitating problem-based learning sessions for medical students to understand, diagnose, and manage presented medical conditions. Engaging students in case study brainstorming and patients' case report feedback.

4. Lecturer– School of Nursing, University on the Niger Teaching Hospital, (Iyienu Mission Hospital), Anambra State, Nigeria. **2014 – 2019**

Responsibilities:

- Theoretical and Practical teaching of anatomy and physiology by systems which include the cardiovascular system, renal system, reproductive system, digestive system, lymphatic system & respiratory system to nursing students.
- Curriculum development and reviews
- Setting of theoretical and practical exams, invigilation, and marking of examination scripts.
- Undergraduate project supervision

E-Learning Proficiency

- Proficient in using online teaching platforms such as Microsoft Teams and Zoom to facilitate problem-based learning, online tutorials, and practical sessions (using anatomy models with DO-CAM) for medical and nursing students.
- Use of anatomage table (3D and virtual dissection platform).
- Use of Zoom for online workshops and seminars.
- I am conversant and experienced in the use of LEARN (Blackboard Collaborate). *I was one of the teachers of Learn2020, Learn2021, Learn2022, and Learn2023 platforms at the University of KwaZulu-Natal (Medical School Campus), Durban, South Africa.*

Research and Publication Impact Score

System	Date accessed	ID on system	Web-link to your page	Citations	H-Index
Google Scholar	14/02/2025	Okikioluwa Stephen Aladeyelu	https://scholar.google.com/citations?user=OBR7Zv8AAAAAJ&hl=en	131	6
Scopus	14/02/2025	57220173634	https://www.scopus.com/authid/detail.uri?authorId=57220173634	63	5
Web of Science	14/02/2025	AGM-6125-2022	https://www.webofscience.com/wos/author/record/AGM-6125-2022	47	4

Student Supervision/Mentoring Experience

Student Name (Number)	Year of Completion	Thesis/Dissertation Title	Role	Institution
PhD				
Siphelele Nkosi 218012656	In progress	Anatomical patterns of presentation of melanocytic nevi	Co-supervisor	University of KwaZulu-Natal
Masters				
Nomthandazo Magcaba 218005084	2024	Pneumatization of the sphenoid sinuses in a South African population: An investigation using computed tomography scans	Co-supervisor	University of KwaZulu-Natal
Ndumiso Hlengwa 220018785	In progress	Anatomical study and variations of the cruciate ligament of the knee joint	Co-supervisor	University of KwaZulu-Natal
Siphelele Khanyile 22109035	In progress	Soft tissue deformations in paranasal sinus mucocoeles	Co-supervisor	University of KwaZulu-Natal
Thembelihle Cele 219023953	In progress	The morphology and drainage patterns of the cavernous sinus tributaries	Co-supervisor	University of KwaZulu-Natal
Sthembiso Mkhonza 219002315	In progress	Different age estimation methods of the adult pelvis: a comparative study in a South African population	Co-supervisor	University of KwaZulu-Natal
B.Sc. Honours				
Ndumiso Hlengwa 220018785	2024	Anatomical study and variations of the lateral collateral ligament of the ankle	Co-supervisor	University of KwaZulu-Natal
Bongeka Ntombela 218016656	2021	Osteological analysis of the first rib for sex and age estimation in a South African population	Co-supervisor	University of KwaZulu-Natal
Buhle Sivuyise Songo 221116458	2021	Dural Venous Sinuses in the posterior cranial fossa	Co-supervisor	University of KwaZulu-Natal

Diploma in Nursing (Registered Nurse)				
Chioma Nzube Mbanefo 2017/0451/35405/N	2018	A study on factors affecting library usage frequency among student nurses and midwives in Iyenu Mission Hospital, Ogidi, Anambra State	Supervisor	College of Nursing, University on the Niger Teaching Hospital
Assumpta Amara Obinwa 2017/0451/35406/N	2018	Knowledge and practice of preventive measures and control of nosocomial infection amongst nurses in Iyenu Mission Hospital, Ogidi, Anambra State	Supervisor	College of Nursing, University on the Niger Teaching Hospital
Chibuzo Innocentia Nwana 2017/0451/35407/N	2018	Mothers' perspective on female genital mutilation: a survey among mothers attending maternal and child health center, Amawbia, Anambra state	Supervisor	College of Nursing, University on the Niger Teaching Hospital
Ebere Faith Onuorah 2017/0451/35262/N	2017	Knowledge and attitude towards the management of febrile convulsion by mothers with children (under 5 years) in Ireh village, Umuoji, Anambra State.	Supervisor	College of Nursing, University on the Niger Teaching Hospital
Grace Chiamaka Ochuba 2017/0451/35370/N	2017	Assessment of knowledge, attitude and practices among nurses on needle-stick injuries in Iyenu Mission Hospital, Ogidi, Anambra State.	Supervisor	College of Nursing, University on the Niger Teaching Hospital
Pamela Chinweokwu Osakwe 2016/0451/29665/N	2016	Knowledge and attitude of student nurses towards research in school of nursing, NAUTH, Nnewi, Anambra State	Supervisor	College of Nursing, University on the Niger Teaching Hospital
Kosiso Loveth Okpala 2016/0451/29667/N	2016	Knowledge and attitude of student nurses in Iyenu Mission Hospital towards utilization of information communication technology (ICT) for academic purposes	Supervisor	College of Nursing, University on the Niger Teaching Hospital
Lucy Ebere Ilouno 2014/0451/06950/N	2016	Knowledge and attitude of nurses towards management of patients with HIV/AIDS in Iyenu Mission Hospital Ogidi, Anambra State.	Supervisor	College of Nursing, University on the Niger Teaching Hospital
Chioma Stephane Okeke 2014/0451/06972/N	2016	Knowledge, attitude and practices of candidiasis among women of childbearing (age 15-35 years) in Iyenu community, Ogidi, Anambra State	Supervisor	College of Nursing, University on the Niger Teaching Hospital
Kenechukwu Kenneth Maduka 2014/0451/06947/N	2016	Knowledge of genetics and genomics in transforming health care system among students midwives in Iyenu Mission Hospital, Ogidi, Anambra State	Supervisor	College of Nursing, University on the Niger Teaching Hospital
Uzoma Chiamaka Aduaka 2014/0451/06937/N	2015	The perception of personal hygiene practices among students of Trinity Model Secondary School, Nnobi, Anambra State	Supervisor	College of Nursing, University on the Niger Teaching Hospital
Oluchukwu Juliet Anih 2014/0451/06935/N	2015	Level of awareness on the causes, prevention and treatment of dental caries among senior students of Trinity Model Secondary School, Nnobi, Anambra State	Supervisor	College of Nursing, University on the Niger Teaching Hospital

Professional Memberships

- American Association for Anatomy (AAA)- **57169**
- Anatomy Society of Southern Africa (ASSA)- **2022004**
- Anatomical Society of Nigeria (ASN)- **ASN/2019/047**
- Society of Experimental and Clinical Anatomists of Nigeria (SECAN)- **FM/19/001**

Journal Peer-Review Activities

-BMC Neurology (Springer Nature)- **1 Review**

2024

-PLOS One (Public Library of Science)- 2 Reviews	2024
-Cardiovascular Pathology (Elsevier- ScienceDirect)- 1 Review	2024
-SAGE Open Medicine (SAGE Publications Ltd)- 2 Reviews	2024
-Surgical and Radiologic Anatomy (Springer Nature)- 2 Reviews	2024
-Nigeria Journal of Basic and Clinical Science- 1 Review	2024
-Current Medical Imaging (Bentham Science Publishers)- 1 Review	2023
-JSM Neurosurgery and Spine (JSciMed Central)- 2 Reviews	2023
-Infectious Disorders – Drug Target (Bentham Science Publishers)- 1 Review	2023
-Basic and Clinical Pharmacology and Toxicology (Wiley Online Library)- 2 Reviews	2022
-Journal of Visual Experiment (MY JoVE Corporation)- 1 Review	2022

Honors/Awards/Grants

- WSU Postdoctoral Research Fellowship Value 350,000.00 ZAR per annum	2025
- NRF Postdoctoral Research Fellowship Value 200,000.00 ZAR per annum	2024
- UKZN SLMMS Travel Support Grant Value 15,000.00 ZAR	2023
- UKZN CHS Vice-Chancellor Grant for Postgraduate Students Value 70,000.00 ZAR	2023
- UKZN Global Recognition for Ph.D. Study on Hearing Loss	2023
- UKZN Recognition Award for Academic Mentorship Programme	2023

Academic Publications

<https://scholar.google.com/citations?user=OBR7Zv8AAAAJ&hl=en>

Papers (All Peer-Reviewed)

1. **Aladeyelu OS**, Burge PM, Atiba PM, Madaree A, Lazarus L (2025). Paranasal sinus mucocoeles and its distortion of craniofacial-orbital anatomy: a narrative synthesis. *European Archives of Oto-Rhino-Laryngology*, online ahead of print. <https://doi.org/10.1007/s00405-024-09174-y>
2. Thembelihle Cele, **Okikioluwa stephen Aladeyelu**, Sodiq Kolawole Lawal, Samuel Oluwaseun Olojede, Carmen Rennie (2025). Prevalence of the sphenoid emissary foramen and its clinical relevance in a selected South African population. *Tanzania Journal of Health Research*, 26(1): 1797 – 1807. <https://dx.doi.org/10.4314/thrb.v26i1.21>
3. **Aladeyelu OS**, Olojede SO, Lawal SK, Matshipi MN, Sibiya AL, Rennie CO, Mbatha W-BE (2024). Three-dimensional volumetric analyses of temporal bone pneumatization from early childhood to early adulthood in a Selected South African population. *Folia Morphologica (Warsz)*, 83(1), 146-156. <https://doi.org/10.5603/FM.a2023.0016>
4. C.U. Obi, P. Achukwu, **S.A. Okikioluwa**, N.O. Chukwugozie, I.N. Agbiogwu, N.C. Agu, O.C. Ugwunna, I.J. Onuora, F. Odinakachukwu, M.O. Udeh, (2024). Relationship between alpha-1-antitrypsin with gold standard CD4+ count and viral load as markers for retroviral infection among Nigeria IGBO adults. *Clinica Chimica Acta*, Volume 558, Supplement 1, 118506, ISSN 0009-8981, <https://doi.org/10.1016/j.cca.2024.118506>
5. Seun A. Sangoyomi, Sodiq K. Lawal, Adeoluwa Akeem Adeniji, Abraham A. Osinubi, Samuel O. Olojede, **Okikioluwa S. Aladeyelu**, Matome N. Matshipi and Sylvia K. Dithole (2024) Evaluating the effects of insulin, metformin and glibenclamide on the pups' prefrontal cortex and oxidative stress markers of streptozotocin-induced diabetic pregnant rats. *Mediterranean Journal of Pharmacy and Pharmaceutical Sciences*, 4(1):42-51. <https://doi.org/10.5281/zenodo.10627454>
6. **Aladeyelu OS**, Rennie CO, Schlemmer K, Lawal SK, Mbatha WE, Sibiya AL (2023). An inter-observer assessment of mastoid pneumatization and degree classification using sigmoid sinus: Comparing two levels of temporal bone computed tomograms. *Surgical and Radiologic Anatomy*, 45(6):747-756. <https://doi.org/10.1007/s00276-023-03130-x>
7. **Aladeyelu OS**, Olojede SO, Lawal SK, Mbatha WE, Sibiya AL, Rennie CO (2023). Influence of pneumatization on morphology of temporal bone-related vasculatures and their morphometric relationship with ear regions: a computed tomography study. *Scientific Reports*, 13(1):1996. <https://doi.org/10.1038/s41598-023-29295-4>
8. Naidu L, Sibiya LA, **Aladeyelu OS**, Rennie CO. (2023). Anatomical landmarks for localisation of the anterior ethmoidal artery: a combined radiological and cadaveric (endoscopic) study. *Surgical and Radiologic Anatomy*, 45(5):545-554. <https://doi.org/10.1007/s00276-023-03122-x>

9. Olaniyi KS, Amusa OA, Areloegbe SE, Ajadi IO, **Aladeyelu OS**, Ajadi MB. (2023). Modulatory effect of PPAR- γ by acetate on cardiorenometabolic disturbance associated with high-fat diet-fed insulin-resistant male Wistar rats. *Comparative Clinical Pathology*, 32:239-252. <https://doi.org/10.1007/s00580-023-03436-7>
10. Ngidi NL, Olojede SO, Lawal SK, **Aladeyelu OS**, Rennie CO. (2023). Morphometric study of the radius bone in a KwaZulu-Natal population: Laterality and sexual dimorphism. *Forensic Science International: Reports*, 7:100316. <https://doi.org/10.1016/j.fsr.2023.100316>
11. Obi CU, Achukwu PU, Okwuosa CN, **Aladeyelu OS**, Agbiogwu IN, Agu NC, Udeh MO, Arusiwon JA, (2023). Human growth hormone, a marker for HIV infection among adult Igbo Nigerians: relationship between human growth hormone and CD4+ count with viral load. *African Health Sciences*, 23(2):88–96. <https://dx.doi.org/10.4314/ahs.v23i2.10>
12. **Aladeyelu OS**, Olaniyi KS, Olojede SO, Mbatha W-BE, Sibiya AL, Rennie CO (2022). Temporal bone pneumatization: A scoping review on the growth and size of mastoid air cell system with age. *PLoS ONE* 17(6):e0269360. <https://doi.org/10.1371/journal.pone.0269360>
13. **Okikioluwa Aladeyelu**, Abdulfatai O. Ojewale, Darlington Onyejike, Collins Obi, Oloruntoba Akintayo, Joseph Arusiwon, (2022). “Ameliorative activities of *Moringa oleifera* ethanolic leaf extract on Cadmium chloride-induced toxicity in the kidney of adult Wistar rats: A microscopic assessment.” *Egyptian Journal of Histology, online ahead of print*. 10.21608/ejh.2022.130028.1667
14. Livashin Naidu, Lindokuhle A. Sibiya, **Okikioluwa S. Aladeyelu**, Carmen O. Rennie (2022). “A computed tomography assessment of olfactory fossa depth in relation to functional endoscopic sinus surgery in a South African population. *Translational Research in Anatomy*, 28:100219. <https://doi.org/10.1016/j.tria.2022.100219>
15. Lawal SK, Olojede SO, Faborode OS, **Aladeyelu OS**, Matshipi MN, Sulaiman SO, Naidu ECS, Rennie CO, Azu OO (2022). Nanodelivery of antiretroviral drugs to nervous tissues. *Frontiers in Pharmacology*, 13:1025160. <https://doi.org/10.3389/fphar.2022.1025160>
16. Samuel Oluwaseun Olojede, Sodiql Kolawole Lawal, **Okikioluwa Stephen Aladeyelu**, Carmen Olivia Rennie, Edwin C. Stephen Naidu, Onyemaechi Okpara Azu (2022). Studies on testicular ultrastructural and hormonal changes in experimental type-2 diabetic rats treated with highly active retroviral therapy conjugated silver nanoparticle. *Life Sciences*, 298:120498. <https://doi.org/10.1016/j.lfs.2022.120498>
17. Samuel Oluwaseun Olojede, Sodiql Kolawole Lawal, Ayobami Dare, **Okikioluwa Stephen Aladeyelu**, Carmen Olivia Rennie, Edwin C. Stephen Naidu, Onyemaechi Okpara Azu, (2022). Testicular parameters and treatment with Tenofovir Disoproxil Fumarate loaded Silver-nanoparticle nanoconjugate in experimental type-2 diabetic rats: Hormonal and ultrastructural changes. *Scientific Reports*, 12:9633. <https://doi.org/10.1038/s41598-022-13321-y>
18. Sodiql Kolawole Lawal, Samuel Oluwaseun Olojede, Sheu Oluwadare Sulaiman, **Okikioluwa Stephen Aladeyelu**, Edwin C. Stephen Naidu, Carmen Olivia Rennie, Onyemaechi Okpara Azu, (2021). Tenofovir-silver nanoparticles conjugate ameliorates neurocognitive disorders and protects ultrastructural and cytoarchitectonic properties of prefrontal cortex in diabetic rats via its antioxidant and antidiabetic effects. *Bosnia Journal of Basic Medical Sciences*, 22(4):569-579. <https://doi.org/10.17305/bjbms.2021.6699>
19. Collins Uchechukwu Obi, **Okikioluwa Stephen Aladeyelu**, Ijeoma Nnenna Agbiogwu, Nneka Chidimma Agu, Joseph Akinwale Arusiwon & Mercy Oluchukwu Udeh (2020). Enzyme Activities of Liver Function (Bio-makers) in Sick Cell Anaemic Patients Attending Sick Cell Anaemic Centre, Benin City, Edo State, Nigeria. *International Journal of Blood Research and Disorder*, 7(2):1–5. <https://doi.org/10.23937/2469-5696/1410057>
20. Abdulfatai Olakunle, Sanusi Mada, Samson Oyebadejo. Adam Afodun, **Okikioluwa Aladeyelu** & Bolaji Kolawole (2020). Cardioprotective activities of ethanolic extract root of *Ageratum conyzoides* on alloxan-induced cardiotoxicity in diabetic rats. *BioMed Research International*, 3189672. <https://doi.org/10.1155/2020/3189672>
21. **Aladeyelu, S.O.** & Asomugha, A.L. (2018). Hepatoprotective Effect of Ethanolic Leaf Extract of *Moringa oleifera* on Cadmium Induced Hepatotoxicity on the Liver of Albino Wistar Rats: Histological and Histochemical Studies. *International Journal of Herbs and Pharmacological Research*, 7(1):40–54.
22. **Aladeyelu, S.O.**, Onyejike, D.N., Ogundairo, O.A., Adeoye, O.A., Gbadamosi, M.T., Ogunlade, B. Ojewale A. O. (2018). Hepatoprotective role of *Moringa oleifera* ethanolic leaf extract on liver functions (biomarkers) in cadmium chloride-induced hepatotoxicity in albino Wistar rats. *International Journal of Basic, Applied and Innovative Research*, 7(1):12–17.
23. **Aladeyelu, S.O.** & Oyewo, O.O. (2018). Effects of *Myristica fragrans* (Nutmeg) on the Histo-Architecture of the Liver of Wistar Rats. *International Journal of Basic, Applied and Innovative Research*, 7(3):92–97.

24. Onyejike, D.N., Ukoha, U. & **Aladeyelu, S.O.** (2018). Evaluating the Embalming Procedures of Putrefying Bodies in Relation to Gender in Anambra State, Nigeria. *International Invention of Scientific Journal*, 2(6):213–222.
25. Onyejike, D.N., **Aladeyelu, S.O.**, Onyejike, I.M. & Ogbo, F.O. (2018). Effects of Goko Cleanser Herbal Mixture on the Micro-architecture of the Liver of Adult Female Wistar Rats. *International Invention of Scientific Journal*, 2(5):104–200.
26. Obi, C.U., **Aladeyelu, S.O.**, Ogbuowelu, O.S. & Ezugwu, O.F. (2018). Evaluation of serum alpha-1-antitrypsin in comparison with CD4⁺ T-cells as a marker for HIV infection among HIV patients in Iyi-Enu Mission Hospital, Ogidi, Anambra State. *International Journal of Community Research*, 7(3):97–104.
27. Onyejike, D.N., **Aladeyelu, S.O.** & Onyejike, I.M. (2018). Histopathological Effects of Goko Cleanser Herbal Mixture on the Kidney of Adult Female Wistar Rats. *International Journal of Innovative Research and Advanced Studies*, 5(6):254–262.
28. Onyejike, D.N., **Aladeyelu, S.O.**, Onyejike, I.M. & Nwankwo, O.K. (2018). Biochemical Effects of Goko Cleanser Herbal Mixture on the Liver of Adult Female Wistar Rats. *International Invention of Scientific Journal*, 2(5):164–176.
29. Onyejike, D.N., **Aladeyelu, S.O.**, Onyejike, I.M. & Nwankwo, O.K. (2018). Biochemical Effects of Goko Cleanser Herbal Mixture on the Kidney of Adult Female Wistar Rats. *International Invention of Scientific Journal*, 2(4):117–129.
30. Akingbade, A.M., Ojewale, A.O., Idhirhi, A., Olasehinde, O.R., Ibitoye, O.B. & **Aladeyelu, S.O.** (2017). Testiculotoxicity activities of isopropyl alcohol-based air freshener on the testis of adult Wistar rats. *Journal of Molecular Pathophysiology*, 6(2):17–23.

Manuscripts Accepted for Publication (Peer-Reviewed)

31. Ijeoma Lucia Okonkwo, Azuoma Lasbrey Asomugha, Roseline Ngozi Asomugha, Elizabeth Finbarrs-Bello, **Okikioluwa Stephen Aladeyelu** (2024). Effect of aqueous extract of Bryophyllum pinnatum on ovary of adult female wistar rats: histological and biochemical assessment. *European Journal of Anatomy*, Manuscript Ref: 240387io. Accepted on 23/12/2024
32. Livashin Naidu, Lindokuhle A. Sibiya, **Okikioluwa S. Aladeyelu**, Carmen O. Rennie. Anatomical variation of frontal sinus drainage pathway and its related factors on high-resolution computed tomography: prevalence, patterns and implications. *European Journal of Anatomy*, Manuscript Ref: 240614in. Accepted on 21/12/2024.

Conference Attendance and Proceedings (National and International)

Paranasal sinus mucocoeles and its distortion of craniofacial-orbital anatomy: a narrative synthesis

OS Aladeyelu, PM Burge, PM Atiba, A Madaree, L Lazarus

20th Annual Scientific Conference of the Anatomical Society of Nigeria; 7-9 October 2024; Ibadan, Nigeria

Death and dying: An evaluation of anatomy student attitudes

V Bisetty, C Barnes, **OS Aladeyelu**, N Naidoo, L Lazarus

20th Annual Scientific Conference of the Anatomical Society of Nigeria; 7-9 October 2024; Ibadan, Nigeria

Mortality and grief in anatomy education: An exploration of student emotion

C Barnes, V Bisetty, **OS Aladeyelu**, N Naidoo, L Lazarus¹

20th Annual Scientific Conference of the Anatomical Society of Nigeria; 7-9 October 2024; Ibadan, Nigeria

Anatomical variations and local bone erosion patterns of paranasal sinus mucocoeles: a single center study

PM Burge, **OS Aladeyelu**, A Madaree

APRASSA Congress and ISAPS Symposium on Facial Aesthetics; 3-6 October 2024; Cape Town, South Africa

Age and sex-related changes of the frontal air sinus from childhood to early adulthood (1 to 25 years)

CO Rennie, **OS Aladeyelu**

20th Meeting of the International Association for Craniofacial Identification Congress; 2-6 October 2024; Granada, Spain

Relationship between alpha-1-antitrypsin with gold standard CD4⁺ count and viral load as markers for retroviral infection among Nigeria Igbo adults

CU Obi, PU Achukwu, **OS Aladeyelu**, CN Okwuosa, IN Agbiogwu, NC Agu, CO Ugwunna, MO Udef

International Federation of Clinical Chemistry and Laboratory Medicine WorldLab Congress; 26-30 May 2024; Dubai, UAE

Influence of pneumatization on morphology of temporal bone-related vasculatures and ear regions

OS Aladeyelu, CO Rennie, AL Sibiya, W-BE Mbatha

XXVIII International Symposium on Morphological Sciences; 5-8 August 2023; Cape Town, South Africa.

Inter-observe assessment of temporal bone pneumatization: classifying the degree of pneumatization based on sigmoid sinus using computed tomography

OS Aladeyelu, CO Rennie, AL Sibiya, W-BE Mbatha

The 57th South African Society of Otolaryngology and Society of Rhinoplasty Surgeon Congress; 26-31 October 2021; South Africa

Hepatoprotective effect of ethanolic leaf extract of *Moringa oleifera* on cadmium-induced hepatotoxicity on the liver of albino wistar rats: histological and histochemical studies

AC Emegoakor, **OS Aladeyelu**, U Ukoha

The 48th Annual Conference of the Anatomical Society of Southern Africa; 19-20 April 2021, Durban, South Africa

Estimation cardiothoracic ration in relation to basic anthropometric parameters among selected adult Nigerians: a marker for cardiovascular risk assessment.

OS Aladeyelu, AL Asomugha

The 48th Annual Conference of the Anatomical Society of Southern Africa; 19-20 April 2021, Durban, South Africa

Hepatoprotective role of *Moringa oleifera* ethanolic leaf extract on liver functions (biomarkers) in cadmium chloride-induced hepatotoxicity in albino Wistar rats.

OS Aladeyelu, AL Asomugha

17th Conference and Annual General Meeting of the Society of Experimental and Clinical Anatomists of Nigeria; 7-10 March 2019; Nnewi, Nigeria.

Other Academic Trainings		
• Seven (7) days “Teaching Development Programme for Ph.D. Candidates” by the University Teaching and Learning Office (UTLO) of the University of KwaZulu-Natal & University Capacity Development Programme (UCDP).		19 th to 27 th February 2020
• Two (2) days training course for the operation and software use of the “Bio-Plex 200 Multiplex Immunoassay System” by Bio-Rad Laboratories and Optics and Imaging Centre, University of Kwazulu-Natal.		14 th to 15 th October 2019
• Eight (8) weeks online course on “Research Writing in Sciences” & “Communicating Research Outside Academia” by International Network for the Availability of Scientific Publications (INASP)		4 th September to 29 th October 2018
• Six (6) months course in “Information and Communication Technology (ICT) by Ladoke Akintola University of Technology, Ogbomoso, Oyo State, Nigeria.		1 st March to 30 th August 2007

Skills	
• Clinical Anatomy	• Cadaveric dissection (Gross anatomy)
• Animal Handling	• Radiological Anatomy
• Immunoassays	• Manuscript Writing and Reviews
• Microscopy and Histological Analysis	• Morphological and Morphometric analysis

Leadership Experience
1. Course Coordinator, ANAT 119 (Anatomy of Head and Neck)- Discipline of Clinical Anatomy, Westville Campus, University of Kwazulu-Natal (2nd semester, 2024 academic session)

2. **Coordinator, Anatomic Dissection and Practical-** Discipline of Clinical Anatomy, Nelson R. Mandela School of Medicine, University of Kwazulu-Natal **(2020 & 2021)**.
3. **Secretary, Disciplinary Committee-** College of Nursing, Iyi-Enu Mission Hospital Ogidi, Anambra State, Nigeria. **(July 2017 to July 2019)**.
4. **ICT Supervisor, Accreditation Committee-** College of Nursing, Iyi-Enu Mission Hospital Ogidi, Anambra State, Nigeria. **(Dec 2016 & Dec 2018)**.
5. **ICT Head, Admission Committee-** College of Nursing, Iyi-Enu Mission Hospital Ogidi, Anambra State, Nigeria. **(Jan 2016 to Aug 2016 & Jan 2019 to July 2019)**
6. **Class coordinator (Class Rep.), Post-Graduate Students-** Department of Anatomy, Nnamdi Azikiwe University, Awka, Nigeria **(April 2015 to May 2017)**
7. **Class coordinator (Class Rep.), Undergraduate Students-** Department of Anatomy, Ladoké Akintola University of Technology, Ogbomoso, Nigeria **(Jan 2007 to Sept 2007)**

Community/Voluntary Services

- **Key facilitator-** postgraduate research workshop on Scoping Review and EndNote Referencing
- **Support staff-** surgical skill-development courses in the School of Clinical Medicine, UKZN
- **Member, Olive Sickle Cell Initiative-** Sensitization of sickle cell diseases in local communities, Anambra State, Nigeria
- **Member, Iyienu Medical Outreach Team-** Free medical services personnel in rural areas and churches in Anambra State, Nigeria-
- **Member, Technical Unit-** Local Organizing Committee in the 110th Anniversary of Iyienu Mission Hospital, Ogidi, Nigeria
- Free anatomy lessons for needy students at the University of KwaZulu-Natal, South Africa
- Donation of vehicle parking tags for Iyienu Mission Hospital for staff and visitors' vehicles