

AKINPELU MORONKEJI

Lecturer || Cellular pathology Scientist || Faculty of Allied Health Sciences, University of Medical Science, Ondo-City, Ondo State, Nigeria
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EDUCATION

Ph.D Medical Laboratory Science (Histopathology/Cytopathology).	2024
M.Sc. Medical Laboratory Science (Histopathology/Cytopathology).	2019
Bachelor of Medical Laboratory Science (B.MLS).	2013
Fellow of Medical Laboratory Science Council of Nigeria RF(MLS)2373.	2022
IAC certified Cytotechnologist CT (IAC) 13128. International Academy of Cytology.	2023.

TEACHING AND PROFESSIONAL WORK EXPERIENCE

University of Medical Sciences Ondo State, Nigeria.

Present appointment: Lecturer - Department of Medical Laboratory Science **2020- till date.**

- Training of undergraduate Medical Laboratory Science Students.
- Deliver lectures in Histopathology and Cytopathology to undergraduate MLS students.
- Assist in the co-supervision of Undergraduate MLS students specialising in Histopathology.
- Departmental Examination Officer.

Medical Laboratory Scientist- Department of Oral and Maxillofacial Pathology, Radiology and Oral Medicine
December 2018 - 2019.

- Performs various Histopathology/Cytopathology diagnostic test procedures on specimens sent to the Oral Pathology Laboratory.

Baptist Medical Centre Saki, Oyo State, Nigeria.

Appointment: Medical Laboratory Scientist, Clinical Laboratory Department, - **September 2016- November 2018.**

- Performed various cellular and Molecular diagnostic test procedures on various body fluids and tissues sent to the laboratory.
- Assisted in the training of Medical Laboratory technicians in the School of Medical Laboratory Technology, Baptist Medical Centre, Saki, Oyo state Nigeria.
- Microbiology tutor to School of Nursing, Baptist Medical Centre, Saki, Oyo State, Nigeria (2018).

Ebonyi State Ministry of Health, (General Hospital Ishiagu)

Position held: Medical laboratory scientist (NYSC), **January 2014- October 2015.**

- Performed various diagnostic test procedures on tissues and other bodily fluids sent to the laboratory.

Federal Medical Centre, Owo, Ondo State, Nigeria.

Position held: Intern Medical Laboratory Scientist. **November 2013- October 2014.**

- As an intern, I performed various test procedures with minimal supervision in the laboratories being posted to in the course of the training.

ACADEMIC/PROFESSIONAL QUALIFICATIONS AND DISTINCTIONS OBTAINED WITH DATES.

- IAC certified Cytotechnologist CT (IAC) 13128. International Academy of Cytology. 17th January 2023.
- Fellow of Medical Laboratory Science Council of Nigeria RF(MLS)2373. Medical Laboratory Science Council of Nigeria 30th March 2022.
- Associate Member of the Medical Laboratory Science Council of Nigeria RA (MLS)19426. 10th November 2015.
- Member, Society for Cellular Pathology Scientists of Nigeria (SCPSN). 2021.

PUBLICATIONS & SCHOLARSHIP

Thesis/Dissertation

- Moronkeji A** (2023). Histopathological effect, genotoxic, and oxidative stress response to gasoline generator exhaust in adult wistar rats. (PhD).
- Moronkeji A.** (2021). Histomorphological and biochemical evaluation of *Azadirachta indica* on Liver and Kidney tissues of Plasmodium Berghei Infected wistar rats. (FMLSCN).
- Moronkeji A.** (2018). Evaluation of the effect of herbal preparation used in the treatment of malaria on the liver of adult wistar rats (M.Sc.).
- Moronkeji A.** (2012). Prevalence of cervicitis among women of childbearing age in Federal Medical Centre Owo. (B.MLS).

Scholarly Publications

Publication and conferences

- Adeniyi, T. D., **Moronkeji, A.**, & Ralph-Okhiria, O. F. (2023). Ascorbate and alpha-tocopherol mitigate toxic pathological changes in adult wistar rats exposed to cypermethrin. *Folia Medica Indonesiana* 59(4):391-399.
- Akinpelu, M.**, Gamade, S. M., Akinbo, F., Adeniyi, T. D., Elizebeth, A. F., & Obeagu, E. I. (2023). Histopathological and Biochemical Effect of Vitamin C and D on Phosphine-Induced Hepatotoxicity in Wistar Rats. *Asian Journal of Dental and Health Sciences*, 3(2), 18-22.
- Gamde, S. M., Ugwah-Oguejiofor, C. J., Garba, A., Avwioro, G. O., **Moronkeji, A.**, & Jimoh, A. A. (2023). Histologic and Biochemical Effect of Balanite aegyptiaca Fruit Extract on Alloxan-Induced Diabetes in Wistar Rats. *Ethiopian Journal of Health Sciences*, 33(3).
- Akinpelu Moronkeji, F.**, Akinbo, O., & Eze, G. I. (2023). Histopathological and Biochemical Investigations of Gasoline Generator Exhaust Exposure in Adult Male Wistar Rats. *Sokoto Journal of Medical Laboratory Science*, 8(4).
- Temidayo Daniel Adeniyi, **Akinpelu Moronkeji**, Daniel Ejaito Eyovwerhuvwu (2024). Effects of Pyrethroid Exposure on Testicular Histopathology and Biochemistry in Adult Male Wistar Rats: Evaluation of Ascorbic Acid and Alpha-Tocopherol Administration. *Journal of Advanced Pharmacy Research*. 8 (1):1-9.

6. Atere Adedeji David, **Moronkeji Akinpelu**, Moronkeji Adebimpe Iyanuoluwa, Osadolor, Humphrey B (2021). Serum levels of inflammatory biomarkers, glycaemic control indices and leptin receptors expression in adult male Wistar rats exposed to Pyrethroids. *Journal of Cellular Biotechnology* 7 (1): 41-55.
7. **Akinpelu MORONKEJI**, Frederick O AKINBO (2023). Assessment of Cardiac Histology and Hematological Parameters in Adult Male Wistar Rats Exposed to Exhaust Emissions from Gasoline Generators. *International Journal of Biological & Medical Research*.14(4): 7638-7642.
8. Atere, Adedeji David, Faith Ajani Olumide, **Moronkeji Akinpelu**, Oluwaseun Ajibade, Victory, Osadolor Humphrey Benedo. (2021). Immunomodulatory response and serum level of neutrophil gelatinase-associated lipocalin (NGAL) as a marker of acute kidney injury in Wistar rats exposed to pyrethroids. *Journal of Cellular Biotechnology*. 7(2). 99-109.
9. **Akinpelu MORONKEJI**, Frederick O AKINBO, Solomon Matthias GAMDE, Temidayo Daniel ADENIYI, Abiodun Abioye OYELEKE, IDOWU-Aiye Faith (2023). Exploring the Protective Effects of Vitamin C and D against Phosphine-Induced Kidney Damage. *International Journal of Biological & Medical Research*. 14(4):7665-7668.
10. Oyeleke AA, Onaolapo AY, Onaolapo OJ, **Moronkeji A**, Folusho O. (2023). Coenzyme-Q10 and Omega-3 Fatty-Acid Ameliorates Catalepsy and Neuroinflammation in Haloperidol Induced Parkinson's Disease Mouse Model. *The Journal of Anatomical Sciences* 14 (1): 99-111.
11. Temidayo Daniel Adeniyi, **Akinpelu Moronkeji**, Victor Olukayode Ekundina. (2023). Histological evaluation of the liver, kidney, and testes of adult male Wistar rats exposed to heavy metals contaminated waterways. *Medical Laboratory Journal*. 17(5):4-8
12. **Moronkeji Akinpelu**, Eze Ikechi Gerald, Igunbor Michael Chuks, Oyeleke Abioye Abiodun, Moronkeji Adebimpe Iyanuoluwa (2019). Berghei Infected Wistar Rats; the Role of Herbal Cocktail on the Spleen. *IOSR Journal of Pharmacy and Biological Sciences* 14 (5):21-30.
13. **Akinpelu Moronkeji**, Eze Ikechi Gerald, Bejide Ronald Ayodele, Anwara Ogonnaya Akpu, and Igunbor Michael Chuks (2018). Evaluation of herbal cocktail used in the treatment of malaria on liver tissue of adult Wistar rats. *Journal of Medicinal Plants Research* 12(28):508-521.
14. Temidayo Adeniyi, **Akinpelu Moronkeji**, Akinrimisi Fikayomi (2024). Histological and Biochemical Evaluation of the Protective Potential of Ascorbate and Alpha-Tocopherol against Cypermethrin-Induced Toxicity. *Journal of Experimental Life Science* (Article in Press).
15. Ogonnaya A. A, Humphery O. B, Edeogu C.O, **Moronkeji A**. (2019). Glucose distribution of HIV patients co-infected with Mycobacterium Tuberculosis. *World Journal of Pharmaceutical Research* 8(10);125-138.

Akinpelu M.

16. **Moronkeji A**, Eze G.I, Igunbor M.C, Ogbonna A A, Moronkeji A.I (2019). Histomorphological and Biochemical Evaluation of Herbal Cocktail Used in Treating Malaria on Kidneys of Adult Wistar Rats. *International Journal of Advanced Research and Publications* 3(7); 57-66.
17. Ogonnaya A. A, Humphery O. B, Edeogu C.O, **Moronkeji A**. (2019). Immunophenotyping of HIV patients co-infected with Mycobacterium Tuberculosis. *World Journal of Pharmaceutical Research* 8(10);110-124.
18. Adjene J.O and **Moronkeji, A**. (2015). Effect of Long-term Consumption of kunu drink on the Body and brain weight of Adult Wistar Rats. *The Journal of Anatomical Sciences* 6(2):8-12.

Edited and Referred Conference Proceedings

1. **Moronkeji A**. and Akinbo F.O. (2023). Exposure to Gasoline Generator Exhaust Evokes an Oxidoinflammatory Response in the Liver and Kidneys of Adult Male Wistar Rats. AUCONAS CONFERENCE 2023. Organised by the College of Natural and Applied Sciences, Achievers University Owo, Ondo State, Nigeria. 6- 8 June 2023.
2. **Moronkeji A**. and Akinbo F.O. (2023). Histopathological and Genotoxic Response to Gasoline Generator Exhaust in Adult Male Wistar Rats. AUCONAS CONFERENCE 2023. Organised by the College of Natural and Applied Sciences, Achievers University Owo, Ondo State, Nigeria. 6- 8 June 2023.
3. OYELEKE, Abiodun Abioye; ONAOLAPO, Adejoke Yetunde; ONAOLAPO, Olakunle James; **MORONKEJI Akinpelu**; LAWAL, Ismail Adetayo; FOLUSHO Ojo (2023). Coenzyme-q10 and omega-3 fatty acid ameliorates catalepsy and Neuroinflammation in Parkinson's disease mouse model. Annual Scientific Conference of the Anatomical Society of Nigeria. FUOYE, 2022. 1-4 February 2023
4. UDI, O.A; **MORONKEJI, A**; SHOJOBI, O.M. (2023). Ascorbic acid's impact on hepatotoxic wistar rats caused by Paracetamol. Annual Scientific Conference of the Anatomical Society of Nigeria. FUOYE, 2022. 1-4 February 2023.

AWARDS & PROFESSIONAL AFFILIATION

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1. IAC certified Cytotechnologist **CT (IAC) 13128**. International Academy of Cytology. 17th January 2023.
 2. Fellow of Medical Laboratory Science Council of Nigeria **RF(MLS)2373**. Medical Laboratory Science Council of Nigeria. 30th March 2022.
 3. Associate Member of the Medical Laboratory Science Council of Nigeria **RA (MLS)19426**. 10th November 2015.
 4. Member, Society for Cellular Pathology Scientist of Nigeria (SCPSN). January 2021.

APPLICABLE SKILLS

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- Cytopathology
 - Immunohistochemistry and Cytogenetics

- Histopathology
- Polymerase Chain Reaction.
- Electrophoresis: Agarose and polyacrylamide gel electrophoresis for nucleic acids and proteins.
- Microscopy.
- Animal handling, *in vivo* and *in vitro* experimental setup.

CONFERENCES, SEMINARS AND WORKSHOPS ATTENDED WITH DATES

1. DNA barcoding techniques organised by the UNILAG-TETFund Project Team on DNA Barcoding of Endangered Tree Species in Nigeria. **May 2023.**
2. Training course in Cytopathology by the Association of Medical Laboratory Scientists of Nigeria (AMLSN) and the Korean Association of Medical Technologists (KAMT). **2022.**
3. African Society for Laboratory Medicine Fifth International Conference. **November 2021.**
4. Protection of Human Participants and Responsible Conduct of Research, National Health Research Ethics Committee, Nigeria. **June 2021.**
5. Current perspectives and new approaches in big data application and omics science in Africa: Economic opportunities and other health outcomes. Young Medical Laboratory Scientist forum (Southwest zone). **June 2021.**
6. Infection Prevention and Control (IPC) for Novel Coronavirus (COVID-19). By WHO Health Emergencies Programme (Online). **April 2020.**
7. UN Cares; HIV in the workplace (2020 update) by UNICEF (UN, UN Agencies and UNFPA). (Online) **April 9, 2020.**
8. Let's Break the Chain of COVID-19 Infection by Mohamed Bin Rasheed University of Medicine and Health Sciences (Online). **April 4, 2020.**
9. Bioinformatics foundation training by the African Centre for Excellence for Genomics of Infectious Diseases (ACEGID). **December 2019.**
10. Laboratory Biosafety and Biosecurity Training. **August 2018.**
11. Viral Load Sample Collection and Management Training. APIN Public Health Initiatives. **March 2018.**
12. Nigerian National Code for Health Research Ethics of Centre of Bioethics and Research, Nigeria, and the University of Miami, Florida **August 2017.**
13. Annual Scientific Conference of the Association of Medical Laboratory Scientists of Nigeria (AMLSN) Ondo HMB/MOH Chapter. **August 2017.**
14. Professional development program at FMC, Owo Ondo State. **December 2016.**
15. Professional Development program, Department of Medical Laboratory Science, University of Benin **June 2016.**
16. Professional development program organized by AMLSCN GalaxoSmith Pharmaceuticals (Webcast Benin City) **May 2016.**
17. Professional Development Workshop of the Association of Medical Laboratory Scientists of Nigeria (Oyo State Branch) **June 2013**
18. 48TH Annual scientific conference/workshop of the Association of Medical Laboratory Scientists of Nigeria. **September 2012.**

VOLUNTEER EXPERIENCE/COMMUNITY SERVICE

1. National Youth Service Corps (NYSC). Ebonyi State Ministry of Health. Medical Laboratory Scientist at General Hospital Ishiagu, Ebonyi State, Nigeria. **November 2014- October 2015**
 2. Being a member of the Health Community Development (CDS) group, participated in various health talks to selected groups in Ishiagu community Ivo Local government on various diseases prevalent within their community and how to prevent and curb the spread of these diseases. **January- October 2015**
 3. Participated in the 2015 general election as an INEC ADOC Staff in registering and voting exercises during my National Youth Service Corps (NYSC) program.
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