

## CURRICULUM VITAE

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### A. PERSONAL DATA

- 1. Names in Full:** AKINOLA, Adeniran Oluwadamilare
- 2. Place and Date of Birth:** Araromi-Obu, Ondo State, 23<sup>rd</sup> March, 1970
- 3. Details of Contact address:** (a). E-mail address (es) [aakinola@unimed.edu.ng](mailto:aakinola@unimed.edu.ng);  
[talk2niran@yahoo.com](mailto:talk2niran@yahoo.com)  
(b). 08035169098
- 4. Nationality:** Nigerian
- 5. State of Origin:** Ondo
- 6. Senatorial District** Ondo South
- 7. Local Govt. Area:** Odigbo
- 8. Permanent Home Address:** 11, Mofere Street, Araromi-Obu, Ondo State.
- 9. Marital Status:** Married
- 10. Number & Ages of Children:** None
- 11. Next of Kin:** Mr. Akinola Adeloje Solomon
- 12. Details of Contact Address of Next of Kin:** (a) 08034848640
- 13. Date of Assumption of Duty:** 11<sup>th</sup> January, 2016
- 14. Rank/status on First Appointment:** Lecturer II
- 15. Present Status:** Senior Lecturer
- 16. Date of Last Promotion:** 1<sup>st</sup> October, 2022
- 1. Present Salary, Grade Level and Step:** CONNUASS 05/02
- 17. Date of Confirmation of Appointment:** 11<sup>th</sup> January, 2019
- 18. Faculty/Directorate:** Basic Medical Sciences

19. Department/Unit: Physiology

20. [https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&user=WWhMXxMAAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&user=WWhMXxMAAAAJ)

## B. Educational Background

### 1. Higher Educational Institutions Attended with dates:

University of Ibadan, Ibadan Oyo State	-	2010-2018
University of Ibadan, Ibadan Oyo State	-	2007 – 2009
University of Ilorin, Kwara State	-	2000 – 2003
Ewutuntun Grammar School, Mafoluku, Oshodi, Lagos	-	1995
Araromi Obu Community Grammar School, Araromi Obu-		1981 – 1986
Local Authority Primary, Araromi Obu, Ondo State.	-	1975 - 1981

### 2. Academic/Professional Qualifications and Distinctions Obtained with Dates:

Ph.D. Physiology		2018
M. Sc. Physiology		2009
B.Sc. Physiology		2003
SSCE		1995

### 3. Other Distinctions and Awards with Dates:

(a) Award of Excellence, Student Physiological Association of Nigeria, Igbinedion University, Okada	-	2014
(b) Araromi Rubber Estate Post-Graduate Scholarship Award, Araromi-Obu, Ondo State	-	2008

## C. Work Experience with Dates:

### 1. Previous Work Experience Outside the University System with Dates:

Complete Child Development College, GRA, Awule, Akure, Ondo State.

January 2006-September 2007: April 2010-March, 2011

**Post Held:** Science Teacher

**Duties:** Teaching of Basic Science, Chemistry and Biology

2. Previous Work Experience in Other Universities

University of Medical Sciences, Ondo City, Ondo State

**Period:** 1<sup>st</sup> October, 2022 – Date

**Status:** Senior Lecturer

**Duties:** Teaching of Physiology Courses

University of Medical Sciences, Ondo City, Ondo State

**Period:** September, 2019 – September, 2022

**Status:** Lecturer I

**Duties:** Teaching of Physiology Courses

University of Medical Sciences, Ondo City, Ondo State

**Period:** January 2016 – September 2019

**Status:** Lecturer II

**Duties:** Teaching of Physiology Courses

Igbinedion University, Okada, Edo State.

**Period:** October 2014-December 2015

**Status:** Lecturer II

**Duties:** Teaching of Physiology Courses

Igbinedion University, Okada, Edo State.

**Period:** March 2011-October 2014

**Status:** Assistant Lecturer

**Duties:** Teaching of Physiology Courses

3. Courses Taught Within the Current Academic Session

**2019/2020 Academic Session**

PHS 211 – Introduction to Physiology

PHS 312- Endocrinology and Reproductive Physiology

PHS 224- Physiology for Nursing  
PHS 421- Advanced Endocrinology and Reproduction  
PHS 225- Cardiovascular Physiology  
PHS 321- Animal Experimentation  
PHS 322 – Membrane Physiology

**2020/2021 Academic Session**

PHS 211 – Introduction to Physiology  
PHS 311 – Renal Physiology  
PHS 312- Endocrinology and Reproductive Physiology  
PHS 415- Advanced Renal Physiology  
PHS 224- Physiology for Nursing  
PHS 225- Cardiovascular Physiology  
PHS 322- Membrane Physiology  
PHS 421- Advanced Endocrinology and Reproduction

**2021/2022 Academic Session**

PHS 211 – Introduction to Physiology  
PHS 311 – Renal Physiology  
PHS 312- Endocrinology and Reproductive Physiology  
PHS 415- Advanced Renal Physiology  
PHS 225- Cardiovascular Physiology  
PHS 321- Animal Experimentation  
PHS 325 Literature Review & Research Methodology  
PHS 814 Renal Physiology  
PHS 826 Autonomic Nervous System

4. Graduate Student Supervision Within Current Session: NIL
5. Current Undergraduate Supervision: Three students

### **2022/2023 Academic Session**

PHS 211 – Introduction to Physiology

PHS 315 - Autonomic Nervous System

PHS 225- Cardiovascular Physiology

PHS 321- Animal Experimentation

1. Graduate Student Supervision Within Current Session: NIL
2. Current Undergraduate Supervision: Four students

### **2023/2024 Academic Session**

PHS 211 – Introduction to Physiology

PHS 311 – Renal Physiology

PHS 411 – Comparative Physiology

PHS 814 - Renal Physiology

PHS 826 – Autonomic Nervous System

1. Graduate Student Supervision Within Current Session: NIL
2. Current Undergraduate Supervision: Three students

### **D. Membership of Professional Bodies:**

Physiological Society UK - 2019

### **E. Publications:**

1. Thesis / Dissertation:
  - i. Akinola A.O. (2018) Amelioration of cadmium-induced reproductive toxicity in male Wistar rats using methanol extract of *Carpolobia lutea* G. Don root, palmitic acid and nonanoic acid. Ph.D. Thesis, University of Ibadan.

- ii. Akinola, A. (2009). Reproductive activities of female albino rats treated with *Quassin*, a bioactive triterpenoid from stem bark of *Quassia amara*. M.Sc. Dissertation, University of Ibadan.
- iii. Akinola, A. (2003). Effects of acute Vitamin C and E ingestion on cardiovascular responses to head-up tilt or cold pressor test in healthy men. B.Sc. Project, University of Ilorin.
2. Books and Monographs: NIL
3. Contribution to Books: NIL
4. Published Journals Articles
- i. Raji, Y., **Akinola, A.**, Oyeyipo, I.P. and Femi – Akinlosotu, O. (2010). Reproductive activities of female albino rats treated with *Quassin* , a bioactive triterpenoid from stem bark extract of *Quassia amara*. *Nigerian Journal of Physiological Society*. 25 (2): 95-102.
- ii. Josiah, S.J., Nwangwu, S.C.O., Akintola, A.A., Usunobun, U., Oyefule, F.S., Ajeigbe, O.K. and **Akinola, A.** (2012). Protective role of ethanol extract of *Vernonia amygdalina* against potassium bromate – induced tissue damage in wistar rats. *Pakistan Journal of Nutrition* . 11 (1): 54- 57.
- iii. Omolaso, B., Ojo, S.U., **Akinola, A.**, Adegbite, O. and Oluwole, F. (2012). . Effects of water load, saline load and lipton tea on urine output and urine pH in young healthy male and female subjects. *IOSR Journal of Pharmacy and Biological Sciences*. 4 (3):I 3-5.
- iv. Oyeyemi, W.A., Shittu, S.T., Kolawole, T.A., Ubanecheand, P. and **Akinola, A.** (2015). Protective effects of vitamin E on nicotine – induced reproductive toxicity in male rats. *Nigerian Journal of Basic and Applied Science*. 23 (1): 7-13.
- v. Dayo Rotimi Omotoso, **Adeniran Oluwadamilare Akinola**, Ooreoluwa Daramola (2019). Possible stimulatory role of CTLA-4 gene in antidiabetic activity of ethanolic

- extracts of *Allium sativum* (Garlic) using rat model. *J Med Allied Sci.*, 9 (2) : 90 - 95
- vi. Omotoso D. R., Ajeigbe K. O., Owonikoko W. M., Okwuonu U. C., **Akinola A. O.**, Daramola O. O., Adagboyin O. and Bienonwu E. O. (2019): Role of mucous cell and p53 protein in gastroprotective activity of methanolic extracts of *Ageratum conyzoides* Linn in rats. *African Journal of Biotechnology.* 18 (27): 640-646.
- vii. Dayo Rotimi Omotoso, **Adeniran Oluwadamilare Akinola**, Ooreoluwapo Ololade Daramola (2019). Immunoexpression of cell proliferation (Ki-67) and tumor suppressor (p53) proteins in hepatic tissue exposed to aqueous extracts of *Ageratum conyzoides* Linn using rat model. *Annals of Medical and Biomedical Sciences.* 5 (1): 8-12
- viii. Dayo Rotimi Omotoso, **Adeniran Oluwadamilare Akinola**, Ooreoluwa Daramola, Victor Uwagbor and Chiwuenyim Onyewotu. (2019). Assessment of gastroprotective activity of leaf extracts of *Ageratum conyzoides* Linn. using pyloric-ligation method in animal model. *International Journal of Biomedical Research.* 10(07): e5214
- ix. Oyeyemi A.Wahab, Anyanwu C. Princely, **Akinola A. Oluwadamilare**, Daramola O. Oore-oluwapo, Alli O. Blessing, Ehiaghe F. Alfred. (2019): Clomiphene citrate ameliorated lead acetate-induced reproductive toxicity in male Wistar rats. *JBRA Assisted Reproduction.* 23(4):336-343.
- x. Oyeyemi Wahab Adekunle, Daramola Oore-oluwapo Ololade, **Akinola Adeniran Oluwadamilare**, Idris Adeoye Oyewole, Aikpitanyi Ikponmwoosa. (2020). Hepatic and reproductive toxicity of sub-chronic exposure to dichlorvos and lead acetate on male Wistar rats. *Asian Pacific Journal of Reproduction.* 9(6): 283-290
- xi. **Akinola A.O.**, Oyeyemi A.W., Daramola,O.O. Raji Y. (2020). Effects of the methanol root extract of *Carpolobia lutea* on sperm indices, acrosome reaction, and sperm DNA integrity in cadmium-induced reproductive toxicity in male Wistar rats. *JBRA Assisted Reproduction.* 24(4):454-465.

- xii. **Akinola A.O.**, Oyeyemi A.W., Raji Y. (2021). *Carpolobia lutea* Root Extract Improved Steroidogenic Activity in Male Wistar Rats Exposed to Cadmium. *Niger. J. Physiol. Sci.* 36:181 – 187
- xiii. Wahab Adekunle Oyeyemi, **Adeniran Oluwadamilare Akinola**, Oore-oluwapo Ololade Daramola, Ikponmwosa Aikpitanyi, Opeyemi Tosin Durotoluwa, Precious-Gift Olohigbe Alele, Iyesogie Osaretin Ogieriakhi and Tseye Daisy Okoro. (2022). Vitamin E and quercetin attenuated the reproductive toxicity mediated by lead acetate in male Wistar. *Bulletin of the National Research Centre.* 46 (22): 1-10.
- xiv. **Akinola, A.O.**, Oyeyemi, W.A., Omotoso, D.R., Daramola, O.O. and Raji, Y. (2022). Protective role of methanol extract of *Carpolobia lutea* root against cadmium-induced changes in biochemical and antioxidant indices in liver of male Wistar rats. *Ife Journal of Science.*, 24 (1): 59-72.
- xv. Victor Emojevwe, Eze Kingsley Nwangwa, Alexander Obidike Naiho, Mega Obukohwo Oyovwi, Osarugue Igiehon, Eunice Ogunwole, Margaret Sope Makinde-Taylor, Oluwadamilola Ayodele Ayotomide, **Adeniran Oluwadamilare Akinola**, Prince Tesi Edesiri, Bright Onome Oghenetega, Simon Irikefe Ovuakporaye. (2022). Therapeutic efficacy of N-acetylcystine and Zinc sulfate against DEPH-induced testicular oxido-nitregic stress in male Wistar rats. *Andrologia.*, <https://doi.org/10.1111/and.14508>: 1-13.
- xvi. Daramola O.O., Oyeyemi W.A., **Akinola A.O.** and Raji Y. (2022). Haematoprotective and Hepatoprotective Effects of Methanolic Leaf Extract of *Parquetina nigrescens* on Arsenic trioxide-induced Toxicity in Male Wistar Rats. *Niger. J. Physiol. Sci.* 37: 235 – 246.
- xvii. **Adeniran Oluwadamilare Akinola**, Dayo Rotimi Omotoso, Adekunle Wahab Oyeyemi, Ooreoluwa Ololade Daramola, Victor Emojevwe. (2023).  $\alpha$ -Tocopherol Mitigates Adverse Effects of Potassium Bromate on Hematological Parameters and Markers of Hepatic Function in Rat Model. *J Morphol Sci*; 40:89-94.



xviii. **Adeniran O. Akinola**, Dayo R. Omotoso, Adekunle W. Oyeyemi, and Oore-oluwapo O. Daramola. (2023). Ameliorative activity of  $\alpha$ -tocopherol against potassium bromate-induced reproductive functional and morphological impairments in male rats. *Asia-Pacific Journal of Science and Technology.*, 29 (1): 1-7.

5. Edited and Refereed Conference Proceedings – NIL

6. Article (s) Accepted for Publication:

i. Anti-apoptotic, Antioxidant and Anti-inflammatory Activities of Sida corymbosa Leaf Methanol Extract Abate Lead Acetate-Induced Testicular Functions Alteration in Wistar Rats., *Tropical Journal of Natural Product Research.*, March. 25, 2024.

7. Manuscript Submitted for Publication: Cadmium-Induced Changes in Reproductive Activities and Testicular Cytoarchitecture of Male Wistar Rats: Protective Role of Palmitic Acid

8. Creative Work - NIL

9. Technical Reports - NIL

F. Papers and Work in Progress: Role Of Clomephene Citrate on Cadmium-Induced Reproductive Toxicity in Male Wistar Rats

G. **Professional Accomplishment:** - NIL

H. **Conferences, Seminars and Workshops Attended With Dates**

H. **CONFERENCES ATTENDED WITH DATES:**

CADMIUM-INDUCED CHANGES IN REPRODUCTIVE ACTIVITIES OF MALE WISTAR RATS: PROTECTIVE ROLE OF PALMITIC ACID, AO Akinola, AW Oyeyemi... - ACTA ..., 2022 - ... ST, HOBOKEN 07030-5774, NJ USA

UNIMED Research Day 2022 – “Academic Independence and Career Progression”, 22<sup>nd</sup> February, 2022.

**Papers Presented:** (i) Cadmium-induced changes in reproductive activities of male Wistar rats: Protective role of Palmitic acid.

7<sup>th</sup> International Congress of the African Association of Physiological Sciences and 36<sup>th</sup> Physiological Society of Nigeria Scientific Conference at Wellcome Centre Hotel, 70, International Airport Road, Ikeja, Lagos (2016).

**Papers Presented:** (i) Cadmium-induced changes in reproductive activities of male Wistar rats: Protective role of *Carpolobia lutea*.

(ii) Effects of *Carpolobia lutea* on Cadmium-induced reproductive toxicity in male Wistar rats.

33<sup>rd</sup> Annual Scientific Conference of Physiological Society of Nigeria (PSn) at University of Ibadan (2013).

**Paper Presented:** Protective effects of vitamin E on nicotine- induced reproductive toxicity in male rats.

30<sup>th</sup> Annual Scientific Conference of Physiological Society of Nigeria (PSn) at Lagos State University, Lagos State (2010).

**Paper Presented:** Reproductive activities of female albino rats treated with quassin, a bioactive triterpenoid from stem bark Extract of *Quassia amara*.

## **WORKSHOPS AND SEMINARS ATTENDED**

1-Day Library Research Workshop at the E-Library Section of the UNIMED Library, University of Medical Sciences, Ondo City, June 22, 2022.

1-Day Physiology Outreach tagged “Physiology: The bedrock of Preventive Healthcare” at the Department of Physiology, University of Medical Sciences, Ondo City, June 10, 2022.

1-Day Training Workshop in Basic Molecular Techniques at the Department of Physiology, University of Medical Sciences, Ondo City, June 1, 2022

2-Day Grantsmanship workshop (Series 2) on Developing a Research Proposal and Budget organized by UNIMED Centre for Research and Development (CORD), November 29-30, 2021.

3-Day Compulsory training workshop for academic staff on Teaching and Learning in Higher Education aimed at improving the Pedagogical Teaching Skills of all Academic Staff at University of Medical Sciences, Ondo City, Nov. 16-18, 2021.

5-Day Advanced Digital Appreciation Programme For Tertiary Institutions Statistical Package for Social Sciences, Organized by International Centre for Information and Communications Technology Studies and Nigerian Communications Commission at University of Medical Sciences, Ondo City, Nov. 20-24, 2017).

2-Day Workshop on Pedagogy and Integrated Medical and Dental Curriculum at University of Medical Sciences, Ondo City 6<sup>th</sup>-7<sup>th</sup> July, 2017.

5-Day Advanced Digital Appreciation Programme For Tertiary Institutions, Organized by International Centre for Information and Communications Technology Studies and Nigerian

Communications Commission at University of Medical Sciences, Ondo City, 28<sup>th</sup> Nov-2<sup>nd</sup> Dec. 2016).

3-Day Short Course in Master Grant Proposal Writing and Financial Management in Tertiary Institutions at University of Medical Sciences, Ondo City, 22<sup>nd</sup>-24<sup>th</sup> August, 2016.

Workshop on Tetfund National Research Fund Proposal Writing at University of Medical Sciences, Ondo City (2016).

Workshop on scholarly writing at Igbinedion University Okada, Edo State (2015).

**I. Current Research Activities:** We are currently working on the hepatic and reproductive toxicity of sub-chronic exposure to dichlorvos and cadmium on male wistar rats

**J. Current Relevant Information**

**1. Services within the Department**

- i. Examination officer 2018/2019 till 2021/2022
- ii. B.Sc. Physiology (400 Level Students) course advisor for 2022/2023 academic session.

**2. Services within the Faculty**

- i. Member of Time-Table Committee

**3. Services within the University -Member maiden convocation committee of UNIMED**

4. General Secretary, ASUU, University of Medical Sciences, Ondo City, Ondo State (2021 till date).
5. Member, UNIMED Welfare and Disciplinary Committee, 2021-2023.
6. Acting head of Department, 1<sup>st</sup> August, 2022-July 31, 2023
7. Deputy Director, Laje Campus, University of Medical Sciences, Ondo City, Ondo State. 21<sup>st</sup> August, 2023-July 31, 2024
8. Services outside **UNIMED**:

- i. General Secretary, Ondo West Life Reformation Multipurpose Cooperative Society, Ondo City, Ondo State.
- ii. Sunday School Teacher, Gospel Faith Mission International, Life Reformation Centre, Ondo City, Ondo State
- iii. Departmental Superintendent, Adult Department, Gospel Faith Mission International, Life Reformation Centre, Ondo City, Ondo State

**K. Contributions to Knowledge:**

My Ph.D. work showed that methanol extract of *C. lutea* root ameliorated pituitary testicular axis and sperm variables in cadmium-induced reproductive toxicity.

Also, Palmitic acid ameliorated pituitary testicular axis, sperm variables and testicular architectures in cadmium-induced reproductive toxicity.

The mechanisms of action may be attributed to the antioxidant, metal chelating, steroidogenic activities and modulation of apoptosis of by *C. lutea* and palmitic acid.

**Signature:**\_\_\_\_\_

**Date:**\_\_\_\_\_