

CURRICULUM VITAE

- I (a) Name (underline surname):** Abiodun Irebami **Amusan**
- (b) Date of Birth:** 1st January, 1986
- (c) Department:** Pharmacology and Toxicology
- (d) Faculty:** Pharmacy
- II (a) First Academic Appointment:** 16th September 2019
- (b) Present Post (with date):** Lecturer II (16th September 2019)
- (c) Date of Last Promotion:** Not applicable
- (d) Date Last Considered (in cases where Promotion was not through):** Not applicable
- III University Education (with dates)**
- (a) University of Ibadan 2018 to 2024
- (b) University of Ibadan 2015-2017
- (c) University of Ibadan 2007-2012
- IV Academic Qualification (with dates and granting bodies)**
- (a) PhD. Pharmacology and Therapeutics 2024
(University of Ibadan)
- (b) M.Sc., Pharmacology and Therapeutics 2017
(University of Ibadan)
- (c) Bachelor of Pharmacy 2012
(University of Ibadan)
- V Professional Qualifications and Diplomas (with dates)**
- (a) Bachelor of Pharmacy, University of Ibadan 2012
- VI Scholarships, Fellowships and Prizes (with dates)**
- (a) Thomas Bassir Biomedical Foundation grant, University of Ibadan 2023
- (b) Fulbright Foreign Student Scholarship, for PhD research at the University of Minnesota, USA 2022
- (c) Chevron Nigeria Limited National Scholarships award 2008-2012
- (d) A.G. Leventis, Egba Scholarships Award 2010 - 2012

VII Honours, Distinctions and Membership of Learned Societies

- (a) Member, Pharmaceutical Society of Nigeria
- (b) Member, National Association of Pharmacists in Academia

VIII Details of Teaching/Working Experience

(a) Teaching, Department of Pharmacology and Toxicology, 2019 to date
Faculty of Pharmacy, University of Ibadan, Nigeria

(b) Administrative Duties

Subdean, Undergraduate (Academic), Faculty of Pharmacy 2024 to date

Member, Faculty Finance Committee 2021 to date

Faculty of Pharmacy, University of Ibadan

(c) Community Service

- i. Public Relations Officer, Nigerian Association of Pharmacists in Academia, University of Ibadan branch
- ii. Radio sensitizations on rational use of antimalarials and antibiotics.
- iii. Medical outreaches to communities in Ibadan.
- iv. Collation Officer, 2023 Nigeria Presidential and Senatorial elections.
- v. Collation Officer, 2023 Nigeria Governorship election.

IX Research

1. COMPLETED RESEARCH

- a. *Drug Therapeutic Efficacy Study of Dihydroartemisinin-piperaquine in an Endemic Area of Southwest Nigeria.*

Principal investigator: Abiodun Amusan. Supervisor: Prof. Grace O. Gbotosho.

Sponsor: Thomas Bassir Biomedical Foundation, University of Ibadan. Period: June-November 2021.

Site: Malaria clinic, Institute of Advanced Medical Research and Training, College of Medicine, University of Ibadan.

The aim of this study was to evaluate the efficacy of *dihydroartemisinin-piperaquine* 17 years after the introduction of artemisinin-based combination therapy in Nigeria.

- b. *Molecular profiling of Plasmodium falciparum genome to determine genetic mutations associated with artemisinin resistance in patients from Southwest Nigeria.*

Principal investigator: Abiodun Amusan. Mentors: Prof. Grace O. Gbotosho (University of Ibadan, Nigeria), and Dr. Geoffrey Hart (University of Minnesota, USA).

Sponsor: Fulbright Exchange Program/Institute of International Education/ Hart Lab, Medical school, University of Minnesota, USA. Period: January 2022 – October 2022.

Site: Hart Lab, Medical School, Unit of Infectious Disease and International Medicine, Department of Immunology and Microbiology, University of Minnesota, USA.

This project aims to determine the prevalence of artemisinin resistance markers by molecular profiling of *P. falciparum* genome from malaria patients in an endemic area of Southwest Nigeria. This was to track emergence of artemisinin-resistant *P. falciparum* in this region.

X Publications

(a) **Books already published** Nil

(b) **Chapters in Books already published** Nil

(c) **Articles that have already appeared in Refereed Conference Proceedings** Nil

(d) **Patents and Copyrights** Nil

(e) **Articles that have already appeared in learned journals**

1. **Amusan, A.**, Akinola, O., Akano, K., Hernández-Castañeda, M., Dick, J. K., Sowunmi, A., Hart, G., Gbotosho, G. (2024). Frequency of chloroquine-resistant haplotype of *Plasmodium falciparum* (CVIET) in Ibadan, Southwest Nigeria 17 years post-chloroquine withdrawal. *Acta Tropica* Vol. 260, 107435, ISSN 0001-706X.
2. Akinola, O., Ategbere, E., **Amusan, A.**, Gbotosho, G. (2023). Comparative efficacy of sulphadoxine-pyrimethamine and dihydroartemisinin-piperaquine against malaria infection during late-stage pregnancy in mice. *Experimental Parasitology* Vol. 248, 108500, ISSN 0014-4894, <https://doi.org/10.1016/j.exppara.2023.108500>.
3. **Amusan, A.**, Akinola, O., Akano, K., & Gbotosho, G.O. (2022). Detection of Malaria Parasite Protein in Urine of Patients with Acute Uncomplicated Malaria Using Rapid Diagnostic Test Kits. *Journal of Microbiology and Infectious Diseases* Vol. 12. No. 03: 97-107.
4. Bakre, A. G., Olayemi J. O., Ajao M. Y., **Amusan A. I.**, Ogodo O. S. and Aderibigbe A. O. (2022). Effect of Ethanol Extract of *Bryophyllum pinnatum* on Pentylentetrazole-Induced

Kindling, Cognition and Oxidative Stress in Rats. *Archive of Basic and Applied Medicine* Vol. 10: 43-50.

(f) **Books, Chapters in Books, and Articles already accepted for publication**

- i. Gbotosho, G.O., Abiodun, O.O., Bakre, A.G., Adebayo, S.A., Akinola, O., **Amusan, A.I.**, Oke T.A. (2023). *Pharmacology and Toxicology Laboratory Manual*, Department of Pharmacology & Toxicology, Faculty of Pharmacy, University of Ibadan. 72 pp. ISBN 978-978-59026-7-3.

(g) **Technical Reports and Monographs**

Nil

XI Major Conferences/Workshops Attended in the Last Five Years (with Papers Read)

Conferences Attended

18-20 September 2024 Genomic Epidemiology of Malaria 2024 (Virtual) Wellcome Connecting Science

31st July 2024 Royal Society of Tropical Medicine and Hygiene (RSTMH), Research in Progress meeting. The Nigerian Institute of Medical Research (NIMR), Lagos, Nigeria.

Paper presented: *Surveillance of Artemisinin Resistance Markers and Influence on Treatment Outcomes in Malarious Patients in an Endemic Area of Southwestern Nigeria.*

May 3rd, 2022 MIE 3rd Virtual Conference on Malaria Immunology & Elimination. United Scientific Group, 8105, Suite 112, Rasor Blvd, PLANO, TX 75024.

10th-14th July, 2018 6th Unibadan Conference of Biomedical Research. University of Ibadan, Nigeria.

Paper presented: *Detection of Malaria Parasite Protein in Urine of Patients with Acute Uncomplicated Malaria Using Rapid Diagnostic Test Kits.*

Workshops and trainings

May -August 2024 West Africa Grant Writing Workshop. National Institute of Allergy and Infectious Diseases (NIAID)/Government of Ghana/Grant Writing Mentors. Virtual and Onsite (Accra, Ghana).

15 - 18 July 2024 Ibadan Summer School in Genomics and Bioinformatics. University of Ibadan.

20-24 May, 2024	Workshop on understanding, implementation, and application of ISO/IEC 17025:2017, United States Pharmacopeia, Nigeria.
16 January 2024	Introduction to Genomic Technologies, an Online non-credit course authorized by Johns Hopkins University and offered through Coursera.
30 December 2023	Bioinformatic Methods I an online non-credit course authorized by University of Toronto and offered through Coursera.
18-22 nd July 2022	Workshop on Computer-aided drug design, Jaris Computational Biology Centre.

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Names	Signature	Date