

CURRICULUM VITAE

A. GENERAL INFORMATION

1. **Name:** ASIYANBOLA Isaac Damilare
2. **Date and Place of Birth:** 16th January, 1993 (Ile-Ife)
3. **Gender:** Male
4. **Nationality:** Nigerian
5. **State of Origin:** Osun
6. **Local Government Area:** Ife East Local Government
7. **Marital Status:** Married
8. **Name and Age of Child:** Abundance Pipeloluwa Asiyanbola (2 years)
9. **Name of Next of Kin:** Mrs Esther Ibukunoluwa Asiyanbola
10. **Relationship of Next of Kin:** Wife (08101632284)
11. **Permanent Address:** No. 14, Behind Idita Community Pry School, Idita Quarters, Mokuro Road, Ile-Ife
12. **E-mail address:** Isaac.asiyanbola@uniosun.edu.ng
13. **Link to Research Gate Account:** <https://www.researchgate.net/profile/Isaac-Asiyanbola/research>
14. **Google Scholar Handle:** Isaac Damilare Asiyanbola
15. **Mobile Phone Numbers:** 07031056338

B. EDUCATIONAL BACKGROUND

1. **Educational Institutions Attended with Dates:**

Obafemi Awolowo University, Ile-Ife, Nigeria	2023 – Till Date
Obafemi Awolowo University, Ile-Ife, Nigeria	2019 – 2023
Obafemi Awolowo University, Ile-Ife, Nigeria	2009 – 2014
2. **Academic and Professional Qualifications with Dates:**

Doctor of Philosophy (Pharmacology)	(In View)
Master of Science (Pharmacology, 60 B+)	2023
Bachelor of Science (Biochemistry) (2 nd class lower division)	2014

C. WORK EXPERIENCE OUTSIDE THE UNIVERSITY SYSTEM

- (a) Chemistry Instructor (NYSC) 2015 – 2016
Federal Science and Technical College,
Kafanchan, Kaduna South, Kaduna State
- (b) Laboratory Assistance (Industrial Attachment) 2011 – 2012
God's Will Medical Laboratory and Diagnostic Service, Ile-Ife, Osun States

D. WORK EXPERIENCE IN THE UNIVERSITY SYSTEM

- (a) Assistant Lecturer 2024 – till date
Department of Pharmacology and Therapeutics
College of Health Sciences
Osun State University, Osogbo

- (b) Graduate Researcher 2019 – 2023
Department of Pharmacology,
Faculty of Pharmacy, Obafemi Awolowo University, Ile-Ife, Nigeria
- (c) Class Coordinator (2018/2019 Postgraduate Student) 2019 – 2022
Department of Pharmacology,
Faculty of Pharmacy, Obafemi Awolowo University, Ile-Ife, Nigeria
- (d) Undergraduate Research Student 2012 – 2013
Department of Biochemistry,
Faculty of Science, Obafemi Awolowo University, Ile-Ife, Osun State

E. MEMBERSHIP OF PROFESSIONAL BODIES:

Member, Nigerian Association of Neuroscience, Obafemi Awolowo University Ile-Ife Chapter

F. SERVICE

- (i) **At the University: Undergraduate Dissertation Guided** – Department of Pharmacology,
Faculty of Pharmacy, Obafemi Awolowo University, Ile-Ife, Osun State
 - (a) Toxicological Evaluation of the Combination of the Essential Oil of *Piper guineense* with Quinine Following Repeated Dose Administration in Rat
 - (b) Histopathological Study of Co-Administration of Selected Essential Oils with Quinine in Cerebral Malaria Induced Mice
 - (c) Investigation of the Pharmacological Potentials of MAMA Decoction and MAMA Powder in the mitigation of Neurological Syndromes of Cerebral Malaria
- (ii) **At the Community: Idita Community, Mokuro Road, Ile-Ife;**
Coaching and mentoring of teenage students towards having a good O-level results and university performance
- (iii) **National: Federal Science and Technical College, Kafanchan, Kaduna State;**
National youth service corps exercise
- (iv) **International: Nil**

G. COURSES TAUGHT DURING THE CURRENT ACADEMIC SESSION:

2025/2026 Harmattan Semester

- (a) PHA 205 – Drug and Body Immune System
- (b) PHA 211 – Introduction to Pharmacology
- (c) PCH 203 – Pharmaceutical Organic Chemistry
- (d) PHA 407 – Seminar in Pharmacology
- (e) MED 305 (Block 1)
- (f) MED 305 (Introductory Pharmacology)

2025/2026 Rain Semester

- (a) PHA 204 – General Principles of Toxicology

H. UNDERGRADUATE STUDIES SUPERVISION: 51

I. PUBLICATIONS

(i) Articles in learned journals:

1. Animashaun O. T.; Ogunleye F. N.; Ayankunle A. A.; Wakeel O. K.; Animashaun S. O.; Aremu O. S.; **Isaac D. Asiyانبola**; Akinsola E. B.; Adeniran Y. D.: Renoprotective Effects of the Ethanol Leaf Extract of *Nymphaea lotus* (Linn.) in Glycerol-Induced Acute Kidney Injury in Rats: Journal of Pharmacological Sciences and Experimental Therapeutics (Official Journal of the Nigerian Society for Pharmacological Sciences and Experimental Therapeutics), ISSN 3115 – 6487, 2025.
2. Ayankunle A. A.; Kolawole O. T.; Ayankunle F. O.; Wakeel O. K.; Animashaun O. T.; Mohammed H. O.; Ogunleye F. N.; **Isaac D. Asiyانبola**; Aremu O. S.; Atere T. G.; Ojurongbe O.: Pregabalin: Demonstration of Higher Antimalarial Activities Than Artesunate in an Animal Model and Proposed Mechanism of Action: Pan African Journal of life sciences, Volume 9, No. 2, August 2025 Pages 547-554 DOI: 10.36108/pajols/5202/90.0271
3. Daniyan M. O.; Adeoye O. B.; Osirim E.; **Isaac D. Asiyانبola**: The effect of Bitter Honey against cerebral malaria-induced inflammasome cell death: Network pharmacology-based *in-silico* evaluation: *Biomeditsinskaya Khimiya*, 2024 vol. 70(6), pp. 442-455; DOI: 10.18097/PBMC20247006442
4. Faloye K. O.; Ambali O. A.; Ogundele S. B.; Tripathi M. K.; Adesida S. A.; **Isaac D. Asiyانبola**; Fakola E. G.; Obaidullah A. J.; Alotaibi J. M.; Oguntimeyin S. A.: Elucidating the antimalarial activity of Pityriacitrin isolated from *Strophanthus hispidus* (DC) whole plant extract: A detailed experimental and in-silico investigation; Journal of Molecular Structure 2024: 1318(2); <https://doi.org/10.1016/j.molstruc.2024.139268>
5. **Isaac D. Asiyانبola**; Daniyan M. O.; Opoggen T. S.; Olayemi I. O.; Adeoye O. B.; Ekundina V. O.; Oyemitan I. A.: Neuroprotective potentials of the essential oil of *Curcuma aeruginosa* Roxburg rhizomes in mice with cerebral malaria: Phytomedicine plus (2024), doi: <https://doi.org/10.1016/j.phyplu.2024.100581>
6. Daniyan M. O.; Ogunyemi T. H.; Olawuni I. J.; **Isaac D. Asiyانبola**; Adelodun S. T.; Opoggen T. S.; Oyemitan I. A.: Toxicity profiling of the co-administration of the essential oil of Piper guineense and quinine in rats: Universal Journal of Pharmaceutical Research 2023; 8(6): 32-42. Doi: <https://doi.org/10.22270/ujpr.v8i61037>
7. Ogundele S. B.; Oriola A. O.; Oyedeji A. O.; **Isaac D. Asiyانبola**; Agbeti E. A.; Olubiyi O. O.; Olorunmola F. O.; Babalola K.; Yusuf B. A.; Agbedahunsi J. M.: Antiplasmodial activity of chemical constituents of *Artocarpus altalis* (Parkinson ex F. A. Zorn) Fosberg stem bark: an experimental-cum-computational investigation: Eur. Chem. Bull. 2023,12(10), 11411-11436. DOI: 10.48047/ecb/2023.12.10.806
8. Opoggen T. S.; Daniyan M. O.; **Isaac D. Asiyانبola**; Adeoye O. B.; Oyemitan I. A.: Effects of the essential oil of dried fruits of *Piper guineense* (Piperaceae) on neurological syndromes associated with cerebral malaria in mice: Universal Journal of Pharmaceutical Research 2023; 8(1): 61- 68. DOI: <https://doi.org/10.22270/ujpr.v8i1.902>
9. Faloye K. O.; Adesida S. A.; Oguntimehin S. A.; Adewole A. H.; Omoyeni O. B.; Fajobi S. J.; Ugwo J. P.; **Isaac D. Asiyانبola**; Bamimore V. O.; Fakola E. G.; Oladiran O. J.; Spiteller M.: LC-MS analysis, computational investigation, and antimalaria studies of *Azadirachta indica* fruit: Bioinformatics and Biology Insights. Volume 17: 1-9. DOI: 10.1177/11779322231154966

J. CURRENT RESEARCH ACTIVITIES

(i) Funded Research: Nil

(ii) Non-funded/Self-sponsored Research:

My research interest involves the investigation of pharmacological potentials of selected medicinal plants in the mitigation of neurological syndromes (N.S) in cerebral malaria (CM) via the use of experimental CM model. The germane factor determining plant of choice is the literature ascertained pharmacological activities – including but not limited to: antioxidant, anti-inflammatory, antimalarial, anticonvulsant and other activity that might be involved in CM mitigation such as nitric oxide and cytokines-inducing pharmacological properties. For my Master's degree, I investigated the pharmacological potentials of graded doses of the essential oils of *Curcuma aeruginosa* and in combination with quinine (standard) in the progression of CM. This was monitored via selected screening panel which include – parasitemia assessment, survival rate, SHIRPA functional behavioural assessment and histology of the brain tissue. This research work has been published in Phytomedicine plus, Elsevier. I am extending the concluding part of my M.Sc. research for my PhD. I shall be incorporating computational biology, network pharmacology, and bio-assaying of drug agent and implicated cytokines/chemokines in brain and blood of CM induced mice. This is in the view to determine phytochemical component(s) in the oil that could serve as drug-lead in the management of N.S of CM.

K. CONFERENCE ATTENDED:

- (a) A one day Workshop on University culture, Academic integrity and Disciplinary procedures for all newly appointed members of the Academic staff of Osun State University, held on Tuesday 7th April, 2026 at Olagunsoye Oyinlola Auditorium, Osun State University main campus, Osogbo, Osun State.
- (b) Neurobiomarkers Conference – Tagged: “Seeing the Unseeable: Advanced Neuroimaging Biomarkers for early prediction and tracking of neurodegeneration”, organized by the LAUTECH Neuroscience Group, 10th to 11th March, 2026
- (c) Interrogating the Principles of Replacement, Reduction and Refinement in Animal Research – The Journey so far in Nigeria. Held on 20th of March 2025. Organised by the Society for Animal Rights Protection (SARP)
- (d) Isolation, In-Silico and Structural Elucidation Techniques in Natural Product Research and Synthesis (Spectroscopic Workshop). October 9th – 11th, 2023. Organised by the Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Obafemi Awolowo University, Nigeria.
- (e) XXIX Symposium on Bioinformatics and Computer-Aided Drug Discovery (BCADD, 2023). September 18th – 20th, 2023. Organised by the Institute of Biomedical Chemistry, Moscow, Russia.
- (f) Clinical Pharmacology and Pharmacometrics Course 5 – Pharmacometrics Africa: Centre for Research and Therapeutic Science (CREATE), Strathmore University, Nairobi, Kenya, April 2021 – July 2021.

L. EXTRA-CURRICULAR ACTIVITIES:

Table tennis, Music & Adventure

M. SUMMARY OF CONTRIBUTION TO KNOWLEDGE:

My MSc research investigated the pharmacological potentials of the essential oils of *Curcuma aeruginosa* Roxburg rhizomes (CAEO) in the management of neurological syndromes (NS) of cerebral malaria (CM) via experimental cerebral malaria model. Findings from this research show that CAEO has the pharmacological potential for the management of NS of CM. These findings have been published in *Phytomedicine* (plus) Elsevier. In addition, I have co-authored six other publications in reputable journals.

N. REFEREES:

- (a) Name: Prof. M. O. Daniyan
Position: Professor
Institution: Faculty of Pharmacy, Obafemi Awolowo University, Nigeria
Telephone number: 08033748779
E-mail address: mdaniyan@oauife.edu.ng
- (b) Name: Prof. G. Olayiwola
Position: Professor
Institution: Faculty of Pharmacy, Obafemi Awolowo University, Nigeria
Telephone number: 08037115758
E-mail address: gbolayiw@oauife.edu.ng
- (c) Name: Prof. I. A. Oyemitan
Position: Professor
Institution: Faculty of Pharmacy, Obafemi Awolowo University, Nigeria
Telephone number: 08038171360
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Signature:



Date: 25/07/2026