

**FEDERAL UNIVERSITY OF HEALTH SCIENCES, ILA-ORANGUN, NIGERIA**  
**CURRICULUM VITAE**

**A. PERSONAL DATA:**

1. Full Name: **BALOGUN, Morufu Eyitayo**
2. Date and Place of Birth: 1<sup>st</sup> June, 1976/Iseyin
3. Contact Details:
  - a) Resident Address: No 20, Oparinde Street, Off Osogbo Road, Ila-Orangun, Osun State, Nigeria
  - b) E-mail Address: [morufu.balogun@fuhsi.edu.ng](mailto:morufu.balogun@fuhsi.edu.ng),  
[marufbalogun755@gmail.com](mailto:marufbalogun755@gmail.com)
  - c) Mobile Telephone Number: +2348104031671
4. Nationality: Nigerian
5. State of Origin: Oyo
6. Senatorial District: Oyo North
7. Local Government Area: Iseyin
8. Permanent Home Address: Alagbede's Compound, P. O. Box 151, Ago-Ijemba, Iseyin, Oyo State, Nigeria
9. Marital Status: Married
10. Number of Children and their Ages: Four (19, 16, 13, and 6 years respectively)
11. Next of Kin: Mrs. Adetayo-Balogun, Aminat Adebisi
12. Contact Details of Next of Kin:
  - a) Residential Address: Balogun's Lodge, Ifesowapo Comm., Off Oyo Road, Odo-Oro, Barracks, Iseyin, Oyo State, Nigeria
  - b) E-mail Address: [ladybalogun@gmail.com](mailto:ladybalogun@gmail.com)
  - c) Mobile Telephone Number: 08033846140
13. Date of Assumption of Duty: 5<sup>th</sup> April, 2023
14. Rank/Status on First Appointment: Reader
15. Present Status: Reader
16. Present Salary Grade Level and Step: CONUASS 6 step 3
17. Date of Last Promotion: Nil
18. Faculty/Directorate: Basic Medical Sciences
19. Department/Unit: Physiology

## **B. EDUCATIONAL BACKGROUND**

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

- (i) University of Ilorin, Ilorin, Nigeria 1997-2003
- (ii) University of Ibadan, Ibadan, Nigeria 2008-2010
- (iii) University of Nigeria, Nsukka, Nigeria 2013-2017

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

- (i) B.Sc. (Hons.) in Physiology 2003
- (ii) M.Sc. Degree in Physiology 2010
- (iii) Ph.D. Degree in Physiology 2017

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

#### **a) Scholarships & Prizes:**

- (i) Ebonyi State University, Abakaliki, Ebonyi State, (Students') Award of Excellence as the most Active Lecturer (2013) in the Faculty of Basic Medical Sciences, College of Health Sciences. (2013)

#### **b) Fellowships:**

- (i) Fellow, African Institute of Public Health Professionals (FAIPH) (2021)

## **C. WORK EXPERIENCE WITH DATES**

### **1. Previous Work Experience Outside the University System:**

- (i) Anatomy & Physiology Tutor, School of Health Technology, Port Harcourt, Rivers State, Nigeria. 2003-2004
- (ii) Anatomy & Physiology Tutor, School of Basic Midwifery, Muslim Hospital, Saki, Oyo State, Nigeria. 2005-2008

### **2. Previous Work Experience in other Universities:**

- (i) Practical Demonstrator, 2<sup>nd</sup> year Medical Students, Department of Physiology, University of Ibadan, Nigeria. 2008-2010
- (ii) Assistant Lecturer, Department of Physiology, College of Health Sciences, Ebonyi State University, Abakaliki, Nigeria 2011-2012

- (iii) Lecturer II, Department of Physiology,  
College of Health Sciences, Ebonyi State  
University, Abakaliki, Nigeria 2012-2015
- (iv) Lecturer I, Department of Physiology,  
College of Health Sciences, Ebonyi State  
University, Abakaliki, Nigeria 2015-2020
- (v) Senior Lecturer, Department of Physiology,  
Faculty of Health Sciences, Al-Hikmah  
University Ilorin, Ilorin, Nigeria 2020-2022
- (vi) Reader, Department of Physiology,  
Faculty of Health Sciences, Al-Hikmah  
University Ilorin, Ilorin, Nigeria 2022-2023

### **3. Work Experience in Federal University of Health Sciences, Ila-Orangun:**

- (i) Reader, Department of Physiology,  
College of Medicine, Federal University  
Of Health Sciences, Ila-Orangun, Nigeria 2023-To date

### **D. MEMBERSHIP OF PROFESSIONAL BODIES WITH DATES:**

- (i) Member, Physiological Society of Nigeria (2018)
- (ii) Member, Africa Physiological Society (2018)
- (iii) Member, The Physiological Society, United Kingdom
- (iv) Member, Society for Experimental Biology (NISEB)
- (v) Member, Researchgate
- (vi) Member, LinkedIn
- (vii) Member, ORCID

### **E. ACADEMIC PUBLICATIONS WITH DATES**

#### **1. Theses/Dissertations:**

- (i) Is ethanol-induced ulceration affected by chloroquine administration in rats? A project work submitted to the Department of Physiology, College of Medicine, University of Ilorin, Nigeria for the award of B.Sc. degree in Physiology (2003).
- (ii) Effect of aqueous and methanolic extracts of *Persea americana* (Avocado) on gastric acid secretion in rats. A dissertation submitted to the Department of Physiology, College of Medicine, University of Ibadan, Nigeria for the award of M.Sc. degree in Physiology (2010).

(iii) Investigation of the antihypertensive activity of *Hibiscus sabdariffa* leaf extract on salt-induced hypertension in Wistar rats. A thesis submitted to the Department of Physiology, College of Medicine, University of Nigeria, Enugu Campus for the award of Ph.D degree in Physiology (2017).

## 2. Books and Monographs:

### a) Authored:

(i) **Balogun, M.E.**, Besong, E.E., Obu, D.C. Medicinal and Economic Value of *Nauclea Latifolia* (African Peach Tree). **LAP LAMBERT** Academic Publishing, 2022. ISBN: 978-620-4-95457-8.

b) Edited: Nil

3. Contributions to Books: Nil

## 4. Published Journal Articles:

- (i) Odetayo, A.F., Akhigbe R.E., Hamed M.A., **Balogun, M.E.**, Oluwole, D.T., Olayaki, L.A. (2024). Omega-3 fatty acid abrogates oxido-inflammatory and mitochondria dysfunctions-associated apoptotic responses in testis of tamoxifen-treated rats. *Frontiers in Nutrition*. 11: 1443895. <https://doi.org/10.3389/fnut.2024.1443895>
- (ii) Folami, S.O., Abuga I., **Balogun, M.E.**, Lawal A.S, Lawal A.Z., Adetoyi M.G. Abubakar M.F. (2024). Resident altitude about the usage of herbal medicine in Kwara and Lagos metropolises, Nigeria. *Journal of Research in complementary medicine*. 1(2): 81-91. 10.5455/JRCM.20240624082005
- (iii) Folami, S.O., Abuga I., **Balogun, M.E.**, Abubakar M.F. (2024). An ethnobotanical appraisal of medicinal plants used for the treatment of COVID-19 in North-central and South-western Nigeria. *Journal of Pharmacological and Pharmaceutical Research*. 1(2): 44-52. 10.5455/JPPR.20240620043821
- (iv) Ayinde, T.O, **Balogun, M.E.**, Ojulari, L.S., Raji, A.O., Afodun, A.M., Ayinla, M.T., Sanusi, K.O., Olayaki, L.A., Ajao, M.S. (2024). Effect of chronic administration of Dexamethasone on growth hormone and anthropometric markers of obesity in male Wistar rats. *Nigerian Journal of Basic and Applied Medical Sciences*. Vol. 3 No.1. An Official Publication of the National Association of Specialist Medical Doctors in Academics (ASMeDA).
- (v) Folami, S.O., Abuga I., Lawal, A.S, Abubakar, M.F., **Balogun, M.E.**, Adetoyi, M.G. Lawal, A.Z. (2024). Evaluation of the antidiarrheal activity of the *Heliotropium indicum* (Indian heliotrope) methanol leaf extract and formulation into oral suspensions. *Journal of Research in complementary medicine*. 1(2): 73-80. 10.5455/JRCM.20240624082058
- (vi) Folami, S.O., Giwa-Ajeniya, A.O., **Balogun, M.E.**, Abubakar M.F., Abdulazeez A.T., Oladimeji L.O., Aloba-Lawal, A.A. (2024). In-vitro and in-vivo anti-diabetic activity of *Annona muricata* (sour soap) methanol leave extract in albino rats. *Journal of Innovative Research in Life Sciences*. 6(1): 25-35. An official publication of the

Faculty of Life Sciences, Kebbi State University of Science and Technology, Aliero, Nigeria. <https://www.jirlsonline.com/fulltext/215-1703931104.pdf?1709056715>.

- (vii) **Balogun, M.E.**, Manzuma, A.O., Ayinde, T.O., Folami, S.O. (2023). *Tetracarpidium Conophorum* (African Walnut): A review of pharmaceutical evidence on cardiac toxicity. *Al-Hikmah Journal of Health Sciences*. 3(1): 36-43. An Official Publication of the Faculty of Health Sciences, Al-Hikmah University, Ilorin, Nigeria. <https://www.alhikmahuniversity.edu.ng/centralJournal/>
- (viii) Folami, S.O., **Balogun, M.E.**, Giwa-Ajeniya, A.O., Oladimeji L.O., Aloba-Lawal, A.A., Atiba, A.E., Buhari, A.O., Oladipupo, K., and Abubakar, M.M. (2023). Toxicity assessment of *Vernonia amygdalina* leaves methanol extract on albino rats. *Journal of Innovative Research in Life Sciences*. 5(1): 32-43. An official publication of the Faculty of Life Sciences, Kebbi State University of Science and Technology, Aliero, Nigeria. <https://www.jirlsonline.com/fulltext/215-1703931104.pdf?1709056715>.
- (ix) Folami, S.O., **Balogun, M.E.**, Giwa-Ajeniya, A.O., Oladimeji, L.O., Aloba-Lawal, A.A., Atiba, A.E., Buhari A.O., Abubakar M.M. (2023). Antidiarrheal activity of *Petiveria alliacea* (guinea hen weed) leaf aqueous extract on castor oil-induced diarrhea in albino rats. *Journal of Innovative Research in Life Sciences*. 5(2): 69-76. An official publication of the Faculty of Life Sciences, Kebbi State University of Science and Technology, Aliero, Nigeria. <https://www.bibliomed.org/mnsfulltext/215/215-1704462764.pdf?1709057096>.
- (x) Oluwasola, A., **Balogun, M.E.**, Odetayo, A.F., Ayoola, O.E., Muzzammill, S.S., Egbejoko, M.B., Salam, Z.O. (2023). Effect of acute administration of ethanol extract of *Cannabis sativa* leaf on oxidative stress biomarkers in male and female Wistar rats. *African Scientist*. 24(2): 197-203. An official publication of the Society for Experimental Biology of Nigeria. <https://africanscientistjournal.org>.
- (xi) Oluwasola, A., Ayoola, O.E., Saa'du, G., Adepoju, M.A., **Balogun, M.E.**, Biliaminu, S.A., Olayaki, L.A. (2023). The Ameliorative effects of melatonin on cannabis-induced liver toxicity in male and female Wistar rats. *The Tropical Journal of Health Sciences*. 30(3): 20-26. An official publication of the College of Health Sciences, University of Ilorin, Nigeria. <https://dx.doi.org/10.4314/tjhc.v30i2.3>.
- (xii) Yussuf, O.R., Adewoye, S.O., Sawyerr, H.O., Opasola, O.A., Oladimeji, L.O., **Balogun, M.E.** (2023). Assessment of solid wastes management practices and its challenges in Ilorin, Kwara State, Nigeria. *International Journal of Advanced Research in Multidisciplinary Studies*. 3(1): 159-174 An official publication of the Centre for Research, Industrial Linkage and International Cooperation, Al-Hikmah University, Ilorin, Nigeria.
- (xiii) Oluwasola, A., **Balogun, M.E.**, Muzzammill S.S., Zainab, S.O., Adekunle, O.J. *et al.* (2022). Effect of acute administration of ethanol extract of *Cannabis sativa* leaf on liver function biomarkers in male Wistar rats. *NISEB Journal*. 22 (3/4): 74-77. An official publication of the Society for Experimental Biology of Nigeria. <http://www.ojs.klobexjournals.com/index.php/nisebj>.
- (xiv) Folami, S.O, **Balogun, M.E.**, Giwa-Ajeniya, A.O., Muftau, M.A., Abdulazeez, A.F. (2022). Phytochemical composition and antioxidant activities of *Pistia stratiotes* methanol leaf extract in albino rats. *Journal of Innovative Research in Life Sciences*. 4(2): 7-15. An official publication of the Faculty of Life Sciences, Kebbi State

University of Science and Technology, Aliero, Nigeria.  
<https://www.bibliomed.org/mnsfulltext/215/215-1694022383.pdf?1709059404>.

- (xv) Ayinde, T.O., Olohunbebe, K.A., Ojulari, L.S., Sanni, M.A., Oluwasola, A., Afodun, A.M., **Balogun, M.E.** (2022). Effect of prolonged heat exposure on red blood indices in-vivo among local bread bakers in Ilorin metropolitan city. *International Journal of Basic & Applied Physiology*. 11(1): 77-82. An Official Publication of the Society of Basic & Applied Physiology. <https://www.ijbap.com/upload/ijbap-2022/13-ijbap-2022.pdf>
- (xvi) Ayinde, T. O., Abubakar, H.O., Ojulari L.S., **Balogun, M.E.**, Liadi, M.T., Olayaki, L.A., Belewu, M.A., Afodun, A.M. (2022). Effect of *Jatropha curcas* seed aqueous extract on quality of semen and reproductive hormones in male Wistar rats. *International Journal of Basic & Applied Physiology*. 11(1): 83-88. An official publication of the Society of Basic & Applied Physiology. <https://www.ijbap.com/upload/ijbap-2022/14-ijbap-2022.pdf>.
- (xvii) Ayinde, T.O., **Balogun, M.E.**, Afodun, A.M., Ayinla, M.T., Raji, A.O., Liadi, M.T., Belewu, M.A. (2021). Effect of chronic administration of caffeine on plasma testosterone level and body mass index in male Wistar rats. *Bioscience Research Journal* 33(1):25-33. An official publication of the Nigerian Society for Experimental Biology. <https://www.niseb.org.ng/Journals>.
- (xviii) **Balogun, M.E.**, Ayinde, T.O., Oluwasola, A., Busari, A.O., Ajibola, K.A., Abubakar, M.M. (2021). Ethanolic Extract of *Nauclea latifolia* (African Peach) protects against ethanol-induced gastric mucosal injury in rats. *Al-Hikmah Journal of Health Sciences*. 1(1): 22-28. An official publication of the Faculty of Health Sciences, Al-Hikmah University, Ilorin, Nigeria. <https://www.alhikmahuniversity.edu.ng/centralJournal/>
- (xix) **Balogun, M.E.**, Umahi, G.O., Ayinde, T.O., Oluwasola, A., Busari, A.O., Ajibola, K.A., Yusuf, R.O., Ojulari, L.S. (2021). *Nauclea latifolia* (African Peach) Attenuation of gastric acid secretion in rats with ethanol-induced ulceration. *Al-Hikmah Journal of Health Sciences*. 1(1): 29-35. An official publication of the Faculty of Health Sciences, Al-Hikmah University, Ilorin, Nigeria. <https://www.alhikmahuniversity.edu.ng/centralJournal/>
- (xx) Busari, A.O., Salau, F.A., Bashir, S., Bolaji, M., **Balogun, M.E.**, Ibrahim, M. *et al* (2021). Effect of aqueous extract of *Ocimum gratissimum* (scent leaf) on renal profile of male Wistar rats. *Al-Hikmah Journal of Health Sciences*. 1(1): 7-13. An official publication of the Faculty of Health Sciences, Al-Hikmah University, Ilorin, Nigeria. <https://www.alhikmahuniversity.edu.ng/centralJournal/>
- (xxi) Busari, A.O., Onamadi, T.A., Ibrahim, M., **Balogun, M.E.**, Garba, W.O., *et al.*, (2021). Evaluation of Serum Creatine Kinase and Lactate Dehydrogenase Activities in Hypertensive Patients Attending General Hospital Ilorin, Kwara State, Nigeria. *Al-Hikmah Journal of Health Sciences*. 1(1):1-6. An official publication of the Faculty of Health Sciences, Al-Hikmah University, Ilorin, Nigeria. <https://www.alhikmahuniversity.edu.ng/centralJournal/>

- (xxii) Ayinde, T.O., Faramade, A.A., Adetokunbo, A.O., Biliaminu, S. A., Ojulari, S. L., AbdulAzeez, M. I., **Balogun, M. E.**, ...& Belewu, M. A. (2021). Effects of *Jatropha curcas* seed extract on reproductive functions in female Wistar rats. *Journal of Bangladesh Society of Physiologists*, 16(2), 104-110. An official publication of Bangladesh Society of Physiologists (BSP). <https://doi.org/10.3329/jbsp.v16i2.57571>.
- (xxiii) Ayinde, T.O., Ojulari L.S., Afodun A.M., Oluwasola A., **Balogun, M.E.**, Olanrewaju M. O., Tajudeen O.A., Faramade A.A. (2021). Nephroprotective effects of *Annona muricata* leaf extract in adenine-induced renal damage in male Wistar rats. *International Journal of Phytofuel & Allied Sciences*. 10(1): 15-23. An official publication of the Society for the Conservation of Phytofuels & Sciences. <http://www.phytofuelalliedsciences.com>.
- (xxiv) **Balogun, M.E.**, Besong, E.E., Obimma, J.N., Iyare, E.E., Nwachukwu, D.C. (2019). Ameliorative effects of aqueous extract of *Hibiscus sabdariffa* (Roselle) on salt-induced hypertension in Wistar rats. *PharmacologyOnline*. 2: 247-258. An official publication of Italo-Latin American Society of Ethno medicine (SILAE). <https://pharmacologyonline.silae.it/f..>
- (xxv) **Balogun, M.E.**, Besong, E.E., Obimma, J.N., Mbamalu, S.O., Djobissie, S.F.A. (2018). Protective roles of *Vigna subterranea* (Bambara nut) in rats with aspirin-induced gastric mucosal injury. *Journal of integrative Medicine*. 16(5): 342-49. An official publication of Shanghai Association of Integrative Medicine, and co-published by Science Press, China and Elsevier. <https://pubmed.ncbi.nlm.nih.gov/30077645/>
- (xxvi) **Balogun, M.E.**, Besong, E.E., Obimma, J.N., Djobissie, S.F.A., Mbamalu, S.O. (2018). Gastroprotective effect ethanolic extract of *Vigna subterranea* in ethanol-induced gastric mucosal ulceration in rats. *Indian Journal of Physiology & Pharmacology*. 62(3): 347-58. An official publication of Association of Physiologist and Pharmacologist of India (APPI). [https://ijpp.com/IJPP%20archives/2018\\_62\\_3/347-358.pdf](https://ijpp.com/IJPP%20archives/2018_62_3/347-358.pdf).
- (xxvii) **Balogun, M.E.**, Nwachukwu, D.C., Iyare, E.E., Besong, E.E., Obimma, J.N., Djobissie, S.F. (2016). Antihypertensive effect of methanolic extract from the leaves of *Hibiscus sabdariffa* L. in rats. *Der Pharmacia Lettre*. 8(19): 473-84. <https://www.scholarsresearchlibrary.com/articles/antihypertensive-effect-of-methanolic-extract-from-the-leaves-of-hibiscus-sabdariffa-l-in-rats.pdf>.
- (xxviii) Besong E.E., **Balogun M.E.**, Djobissie S.F., Obu D.C., Obimma J.N. (2016). Medicinal and Economic Value of *Dialium guineense*. *African Journal of Biomedical Research*. 19(3): 163-70. An official publication of Biomedical Communications Group, Ibadan, Nigeria. <https://www.ajol.info/index.php/ajbr/article/view/150273>.
- (xxix) **Balogun, M.E.**, Besong, E.E., Obu, D.C., Obu, M.S., Djobissie, S.F. (2016). *Nauclea latifolia*: A Medicinal, Economic and Pharmacological Review. *International Journal of Plant Research*. 6(2): 34-52. <http://article.sapub.org/10.5923.j.plant.20160602.03.html>.
- (xxx) Besong, E.E., **Balogun, M.E.**, Djobissie, S.F., Mbamalu, O.S., Obimma, J.N. (2016). A review of *Piper guineense* (African Black Pepper). *International Journal of Pharmacy and Pharmaceutical Research*. 6:368-84. An official publication of Human Journals. <http://ijppr.humanjournals.com>.

- (xxxix) Jeje, S.O., Akindele, O.O., **Balogun, M.E.**, Raji, Y. (2016). Maternal treatment with dexamethasone during lactation delays male puberty and disrupts reproductive functions via hypothalamic–pituitary–gonadal axis alterations. *Pathophysiology*. 23(1): 43-9. An official publication of the International Society for Pathophysiology. <https://pubmed.ncbi.nlm.nih.gov/26774541/>
- (xxxii) **Balogun, M.E.**, Besong, E.E., Obimma, J.N., Mbamalu, O.S., Djobissie, S.F. (2016). *Gongronema latifolium*: A phytochemical, nutritional and pharmacological review. *Journal of Physiological and Pharmacological Advance*. 6(8): 811-24. <https://doi.org/10.5455/jppa.1969123104000>.
- (xxxiii) **Balogun, M.E.**, Nwachukwu, D.C., Salami, S.A., Besong, E.E., Obu, D.C., Djobissie, S.F. (2016). Assessment of Anti-ulcer Efficacy of Stem Bark Extract of *Nauclea latifolia* (African Peach) in Rats. *American Journal of Biomedical Research*. 4(1): 13-7. <http://pubs.sciepub.com/ajbr/4/1/3indexhtml>
- (xxxiv) Salami, S.A., Omirinde, J.O., **Balogun M.E.**, Raji, Y. (2015). Testicular and epididymal histomorphometric assessment in F1 male Wistar rats after gestational *Ricinus communis* oil exposure. *Journal of Morphological Sciences*. 32(3): 187-91. An official publication of the Brazilian Society of Anatomy and Pan-American Association of Anatomy. <http://dx.doi.org/10.4322/jms.088715>
- (xxxv) Onwe, P.E., Folawiyo, M.A., Okike, P.I., **Balogun, M.E.**, Umahi, G., Besong, E.E., Okorocho, A.E., Afoke, A.O. (2015). Lipid Profile and the Growing Concern on Lipid Related Diseases. *IOSR Journal of Pharmacy and Biological Sciences*. (IOSJPBS). 10: 2278-3008.
- (xxxvi) Onwe, P.E., Folawiyo, M.A., Anyigor-Ogah, C.S., Uche, J.E., **Balogun, M.E.**, Umahi, G., Besong, E.E., Okorocho, A.E., Afoke, A.O. (2015). Extracts of *Moringa oleifera* a sure bet for Hyperlipidemia management. *IOSR Journal of Pharmacy and Biological Sciences*. (IOSR-JPBS). 10(5): 28-2. <https://www.iosrjournals.org/iosr-jpbs/papers/Vol10-issue5/Version-3/E010532832.pdf>.
- (xxxvii) Ajah, A.A., Olorunfemi, O.J., Chike, C.P., **Balogun, M.E.**, Obia, O., Adienbo, O. (2015). Anti-Ulcer Activities of Methanolic Extract of *Artocarpus altilis* (Breadfruit) on Alcohol Induced Acute Ulcer Model in Albino Wistar Rats. *American Journal of Pharmtech Research*. 5(4): 183-192. <http://ajptr.com/archive/volume-5/august-2015-issue-4>.
- (xxxviii) **Balogun, M.E.**, Jeje, S.O., Salami, S.A., Onwe, P.E., Folawiyo, M.A. (2015). Anti-ulcerogenic and gastric anti-secretory effects of *Nauclea latifolia* extract in male albino rats. *European Journal of Experimental Biology*. 5(2): 74-80. DOI: 10.12691/ajbr-4-1-3
- (xxxix) **Balogun, M.E.**, Nwachukwu, D.C., Onwe, P.E., Folawiyo, M.A. (2014). Gastric acid anti-secretory effects of aqueous leaf extract of *Nauclea latifolia* (Rubiaceae) in rats. *Journal of Phytopharmacology*. 3: 389-394. <http://dx.doi.org/10.31254/phyto>
- (xl) **Balogun, M.E.**, Folawiyo, M.A., Besong, E.E., Jeje, S.O. (2014). Effect of ethanolic fruit extract of *Adenopus breviflorus* (Lagenaria breviflora Robert) on hematological indices in male Albino Wistar rats. *Journal of Physiology and Pharmacology Advances*. 4(11): 501-508. DOI:10.5455/JPPA.20141117043323.

- (xli) **Balogun, M.E.**, Ajayi, A.F., Oji, O.J., Besong, E.E., Finbarrs-Bello, E., Folawiyo, M.A. (2014). Toxicological and Biochemical Studies of Ethanolic Fruit Extract of *Adenopus breviflorus* (Lagenaria breviflora Roberty) in Male Albino Wistar Rats. *America Journal of Phytomedicine and Clinical Therapy*. 2(9): 1112-23. <https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.682.5095&rep=rep1&type=pdf>
- (xlii) Oluwole FS, **Balogun ME**, Temitope AG (2013). Antisecretory Effects of Watermelon (*Citrullus lanatus*) Juice in Male Albino Rats. *Annual Review & Research Biology*. 3(4): 358-66. <https://journalarrb.com>
- (xliii) **Balogun, M.E.**, Oji, J.O., Besong, E.E., Umahi, G.O. (2013). Evaluation of the anti-ulcer properties of aqueous leaf extract of *Dialium guineense* (Velvet Tamarind) on experimentally induced ulcer models in rats. *International Journal of Developmental Research*. 3(10): 106-10. <http://www.journalijdr.com/sites/default/files/issue-pdf/Download%201133.pdf>.
- (xliv) **Balogun, M.E.**, Oji, J.O., Besong, E.E., Ajah, A.A., Michael, E.M. (2013). Anti-ulcer activity of aqueous leaf extract of *Nauclea latifolia* (rubiaceae) on indomethacin-induced gastric ulcer in rats. *African Journal of Biotechnology*. 12(32): 5080-5086. <https://www.ajol.info/index.php/ajb/article/view/134861>.

## 5. Edited Conferences Proceedings:

### a) Refereed:

- (i) **Balogun, M.E.**, Nwachukwu, D.C., Ayinde, T.O. (2023). *Nauclea latifolia* Sm. extract ameliorates ethanol-induced gastric damage in rats through antioxidant mechanisms. Abstracts of the Proceedings of the 40th National Scientific Conference & Annual General Meeting of the Physiological Society of Nigeria (PSN), 7th-11th February, 2023, University of Ibadan, Oyo State, Nigeria.
- (ii) **Balogun, M.E.**, Nwachukwu, D.C., Iyare, E.E. (2021). Investigation of the antihypertensive activity of hibiscus sabdariffa leaf extract in Wistar rats. Abstracts of the Proceedings of the 39th National Scientific Conference & Annual General Meeting of the Physiological Society of Nigeria (PSN), 26th-30th October, 2021, Bayero University Kano (BUK), Kano, Kano State, Nigeria.
- (iii) Besong, E.E., **Balogun, M.E.**, Folawiyo, M.A., Igwe, J.C. (2016). Phytochemicals in *Malus domestica* (Red delicious variety) and its hypocholesterolemic effect. Abstracts of the Proceedings of the 7th International Congress of AAPS, Lagos, 5th-8th September, 2016.
- (iv) **Balogun, M.E.**, Nwachukwu, D.C., Salami, S.A., Besong, E.E. (2015). Anti-Ulcer Effect of Stem Bark Extract of *Nauclea latifolia* (Rubiaceae) In Rats. *Nig J Physiol Sci*. 2015; 30 (1-2): 153.
- (v) Besong, E.E., **Balogun, M.E.**, Igwe, J.C., Afoke, A.O. (2015). Effect of two Varieties of *Malus domestica* (Apple) Extract on Serum Lipid Profile and Renal Clearance in Hypocholesterolemic Rats. *Nig J Physiol Sci*. 2015; 30 (1-2): 158.

- (vi) Onwe, P.E., Folawiyo, M.A., Anyigor-Ogar, C.S., **Balogun, M.E.**, Umahi, G., Besong, E.E., Okorochoa, A.E., Afoke, A.O. (2015). Extract of *Moringa oleifera*, A Sure Bet for Hyperlipidemia Management. *Nig J Physiol Sci.* 2015; (1-2): 159.
- (vii) Anyigor-Ogar, C.S., Onwe, P.E., Folawiyo, M.A., **Balogun, M.E.**, Besong, E.E., Umahi, G., Okorochoa, A.E., Igwe, J.C., Afoke, A.O (2015). Coronary Artery Diseases and Menopause: A Consequence of Adverse Lipid Changes. *Nig J Physiol Sci.* 2015. 30 (1-2): 157.

**b) Non-Refereed:**

**6. Creative Works/Patents:**

- (i) **Balogun, M.E.**, Besong, E.E., Obu, D.C. Medicinal and Economic Value of *Nauclea Latifolia* (African Peach Tree). **LAP LAMBERT** Academic Publishing, 2022. ISBN: 978-620-4-95457-8.
- (ii) Textbook of Practical Physiology, 1<sup>st</sup> edition; currently under review.

**7. Technical Reports:**

**8. Papers and Works in Progress:**

- (i) Investigation of the antihypertensive properties of *Tetracarpidium conophorum* (African walnut) on monosodium glutamate-induced hypertensive rats

**F. PROFESSIONAL ACCOMPLISHMENTS:**

Ability to work with little or no supervision, highly intelligent and passion to share knowledge acquired to relevant audience, endowed with good communication skills and good human relation, ability to work with team to achieve better goals of any organization, highly dedicated and always ready to take instructions from superior authority, highly motivated with reward.

**G. CONFERENCES, SEMINARS AND WORKSHOPS ATTENDED WITH DATES:**

- (i) *Academic Staff Training workshop on “TETFund Teach with Blackboard”, 29<sup>th</sup> July, 2024*, organized by TETFund, Nigeria.
- (ii) *Academic Staff Training workshop on “Conducting a Good Research and Publishing in a Reputable Journal”, 6<sup>th</sup> August, 2024*, organized by Faculty of Allied Health Sciences, Federal University of Health Sciences, Ila-Orangun, Osun State, Nigeria.
- (iii) *Academic Staff Training workshop on “Digital Marking Tool (Zipgrades)”, 31<sup>st</sup> July, 2024*, organized by Faculty of Basic Medical Sciences, Federal University of Health Sciences, Ila-Orangun, Osun State, Nigeria.

- (iv) *Academic Staff Training workshop on “Writing a Fundable Research Proposal”, 11<sup>th</sup> June, 2024*, organized by Faculty of Allied Health Sciences, Federal University of Health Sciences, Ila-Orangun, Osun State, Nigeria.
- (v) *Pre-Examination Workshop*, Federal University of Health Sciences, Ila-Orangun, Osun State, Nigeria, 16<sup>th</sup> October, 2023.
- (vi) *Maiden KU8 Consortium International Conference: Theme: Transforming University Education in the 21<sup>st</sup> Century: The roles of stakeholders*. Organized by KU8 Universities in Kwara State, 6<sup>th</sup>-9<sup>th</sup> August, 2023 at University of Ilorin, Nigeria.
- (vii) *40th National Scientific Conference & Annual General Meeting of the Physiological Society of Nigeria (PSN), 7th-11th February, 2023*, University of Ibadan, Oyo State, Nigeria.
- (viii) *Academic Staff Training Workshop on “Publication and Research Grants”, 20<sup>th</sup> December, 2022*, organized by Centre for Research, Industrial Linkage & International Cooperation (CRIIC), Al-Hikmah University, Ilorin, Nigeria.
- (ix) *Academic Staff Training Workshop on “Digital Transformation in the University”, 9<sup>th</sup> June, 2022*, Organized by Centre for Research, Industrial Linkage & International Cooperation (CRIIC), Al-Hikmah University, Ilorin, Nigeria.
- (x) *Academic Staff Training Workshop on “Funding Research & Development”, 6<sup>th</sup> February, 2022*, organized by Centre for Research, Industrial Linkage & International Cooperation (CRIIC), Al-Hikmah University, Ilorin, Nigeria.
- (xi) *Academic Staff Training Workshop on “Teaching Materials Development”, 2nd November, 2021*, organized by Centre for Research, Industrial Linkage & International Cooperation (CRIIC), Al-Hikmah University, Ilorin, Nigeria.
- (xii) *39th National Scientific Conference & Annual General Meeting of the Physiological Society of Nigeria (PSN), 26th-30th October, 2021*, Bayero University Kano (BUK), Kano, Kano State, Nigeria.
- (xiii) *Academic Staff Training Workshop on “Teaching Pedagogy”, 11-12th November, 2020*, organized by Centre for Research, Industrial Linkage & International Cooperation (CRIIC), Al-Hikmah University, Ilorin, Nigeria.
- (xiv) *Academic Staff Workshop on “Practical Approach to Strategies for Winning International Research Grants”, 7th October, 2020*, organized by Centre for Research, Industrial Linkage & International Cooperation (CRIIC), Al-Hikmah University, Ilorin, Nigeria.
- (xv) *Academic Staff Seminar Workshop on “Strategies for Winning International Research Grants”, 24th September, 2020*, organized by Centre for Research, Industrial Linkage & International Cooperation (CRIIC), Al-Hikmah University, Ilorin, Nigeria.

- (xvi) *Academic Staff Seminar Workshop on “Winning International Research Grants”, 17th August, 2020*, Organized by Centre for Research, Industrial Linkage & International Cooperation (CRIIC), Al-Hikmah University, Ilorin, Nigeria.
- (xvii) *38TH Annual Scientific Conference of Physiological Society of Nigeria (PSN), 22nd-27th September, 2019*, Ahmadu Bello University (ABU), Zaria, Kaduna State, Nigeria.
- (xviii) *EBSU Academic Staff Mentorship Workshop, 25-27th August, 2019*, Organized by Directorate of Research, Innovation & Commercialization (EBSU–DRIC), Ebonyi State University, Nigeria.
- (xix) *Postgraduate Supervisors’ Training/Workshop, 17-19th July, 2018*, Organized by School of Postgraduate Studies, Ebonyi State University (EBSU), Nigeria.
- (xx) *37<sup>TH</sup> Annual Scientific Conference of Physiological Society of Nigeria (PSN), 31st October - 2nd November, 2017*, Kaduna State University, Kaduna, Nigeria.
- (xxi) *Sensitization Workshop on “Lecturing with integrity of heart and skillfulness of hands” organized by Ebonyi State University, Abakaliki in collaboration with Peace House Education Labours, 31st July, 2017*, Faculty of Law Auditorium, EBSU, Abakaliki, Nigeria.
- (xxii) *7<sup>TH</sup> International Congress of the African Association of Physiological Sciences (AAPS) & 36<sup>TH</sup> Annual Scientific Conference of Physiological Society of Nigeria (PSN), 5 – 8th September, 2016*, Lagos, Nigeria.
- (xxiii) *35<sup>TH</sup> Annual Scientific Conference of Physiological Society of Nigeria (PSN), 16th-18th September, 2015*, University of Nigeria, Enugu Campus, Nigeria.
- (xxiv) *3<sup>RD</sup> EBSU Training Workshop on Microbial and Plant Biotechnology, 26th-31st July, 2015*, Ebonyi State University, Abakaliki, Nigeria.
- (xxv) *TETFund Proposal Development Training Workshop, 23rd March, 2015*, Organized by Directorate of Research, Innovation & Commercialization (EBSU–DRIC), Ebonyi State University, Nigeria.
- (xxvi) *Quality Assurance Workshop/Training*, Organized by National Universities Commission (NUC), 8-9th October, 2014, Ebonyi State University, Nigeria.
- (xxvii) *Statistical Analysis of Data Training Workshop, 5-7th August, 2014*, Organized by Directorate of Research, Innovation & Commercialization (EBSU–DRIC), Ebonyi State University, Nigeria.
- (xxviii) *Grantsmanship Training Workshop, 11-12th February, 2014*, Organized by Directorate of Research, Innovation & Commercialization (EBSU–DRIC), Ebonyi State University, Nigeria.

(xxix) 32<sup>ND</sup> Annual Scientific Conference of Physiological Society of Nigeria (PSN), 22nd-24th August, 2012, University of Calabar, Nigeria.

(xxx) National Sensitization Workshop on Action Against Religious Intolerance for Nigerian Youth by the Centre in Collaboration with Millennium Development Goals Office (NGG's), 19th-21st December, 2011, Citizenship & Leadership Training Centre, Sea School, Apapa, Lagos, Nigeria.

## **H. CURRENT RESEARCH ACTIVITIES:**

Investigations on the mechanisms of blood pressure (BP) regulation in rats with different types of experimental hypertension. In order to generate empirical data that can be subjected to clinical trials this will help to provide new alternatives for the clinical management of hypertension. My research is focused mainly on:

- (i) Screening for antihypertensive molecules from natural agents.
- (ii) Elucidation of the mechanisms by which endothelin and renin-angiotensin systems participate in BP regulation.
- (iii) The role of oxidative stress in BP regulation through complex signaling pathways.

## **I. OTHER RELEVANT INFORMATION:**

### **1. Services within the Department:**

- (i) Acting Head of Department,  
Department of Physiology,  
Faculty of Basic Medical Sciences,  
College of Medicine, Federal University of  
Health Sciences, Ila-Orangun, Nigeria 2023-To date
- (ii) Chairman, Departmental Accreditation  
Committee, Department of Human Physiology,  
Al-Hikmah University, Ilorin, Nigeria 2022
- (iii) Acting Head of Department,  
Department of Human Physiology,  
Faculty of Health Sciences,  
Al-Hikmah University,  
Ilorin, Nigeria 2020-2023
- (iv) Departmental Seminar Coordinator,  
Department of Physiology  
College of Health Sciences,  
Ebonyi State University,  
Abakaliki, Nigeria. 2018-2020
- (v) Departmental Examination Officer,  
Department of Physiology,  
College of Health Sciences,  
Ebonyi State University,

Abakaliki, Nigeria.	2016-2018
(vi) Departmental MB;BS Coordinator, Department of Physiology, College of Health Sciences, Ebonyi State University, Abakaliki, Nigeria.	2013-2015
(vii) Academic Staff Adviser, 2 <sup>nd</sup> & 3 <sup>rd</sup> year Medical Students, Faculty of Basic Medical Sciences, College of Health Sciences, Ebonyi State University, Abakaliki, Nigeria.	2011-2013
<b>2. Services within the Faculty:</b>	
(i) Member, Faculty Management Board, Faculty of Basic Medical Sciences, College of Medicine, Federal University of Health Sciences, Ila-Orangun, Nigeria.	2023-To date
(ii) Seminar Coordinator, Faculty of Basic Medical Sciences, College of Medicine, Federal University of Health Sciences, Ila-Orangun, Nigeria.	2023-To date
(iii) Faculty of Health Sciences Representative, Centre for Research, Industrial Linkage & International Cooperation (CRIIC), Al-Hikmah University Ilorin, Nigeria.	2021-2023
(iv) Acting Dean, Faculty of Health Sciences, Al-Hikmah University, Ilorin, Nigeria.	2021-2022
(v) Chairman, Students' Disciplinary Committee, Faculty of Health Sciences, Al-Hikmah University, Ilorin, Nigeria.	2021-2023
(vi) Managing Editor, Al-Hikmah Journal Of Health Sciences (AJOHS), Faculty of Health Sciences, Al-Hikmah University, Ilorin, Nigeria.	2021-2023
(vii) Member, Research Activities Committee, Faculty of Health Sciences, Al-Hikmah University, Ilorin, Nigeria.	2020-2023

- (viii) Chairman, Curriculum Review Committee,  
Faculty of Basic Medical Sciences,  
College of Health Sciences,  
Ebonyi State University,  
Abakaliki, Nigeria. 2019-2020
- (ix) Member, Disciplinary Committee,  
Faculty of Basic Medical Sciences,  
College of Health Sciences,  
Ebonyi State University,  
Abakaliki, Nigeria. 2017-2020
- (x) Member, Research Activities Committee,  
Faculty of Basic Medical Sciences,  
College of Health Sciences,  
Ebonyi State University,  
Abakaliki, Nigeria. 2016-2020
- (xi) Faculty Examination Officer,  
Faculty of Basic Medical Sciences,  
College of Health Sciences,  
Ebonyi State University,  
Abakaliki, Nigeria. 2015-2018

### **3. Services within the University:**

- (i) Member, Governing Council,  
Federal University of Health Sciences,  
Ila-Orangun, Osun State, Nigeria 2024-To date
- (ii) Member, Senate Research Grant Committee  
Federal University of Health Sciences,  
Ila-Orangun, Osun State, Nigeria 2023-To date
- (iii) Member, Academic Planning and  
Curriculum Committee, Federal University  
Of Health Sciences, Ila-Orangun, Nigeria 2023-To date
- (iv) Member of Senate  
Federal University of Health Sciences,  
Ila-Orangun, Osun State, Nigeria 2023-To date
- (v) Member, University Committee on  
Establishment of Al-Hikmah University  
MBBS Programme 2022-2023
- (vi) Member, Postgraduate School Board,  
Al-Hikmah University,  
Ilorin, Nigeria. 2020-2023

- (vii) Member, Business Committee  
Of Senate (BCOS),  
Al-Hikmah University,  
Ilorin, Nigeria. 2021-2022
- (viii) Member, Budget Committee,  
Al-Hikmah University,  
Ilorin, Nigeria. 2021-2023
- (ix) Member, Students' Disciplinary Committee,  
Al-Hikmah University,  
Ilorin, Nigeria. 2021-2022
- (x) Member of Senate,  
Al-Hikmah University,  
Ilorin, Nigeria. 2020-2023

#### **4. Services outside the University**

- (i) Internal and external Examiner for Ph.D. Thesis  
Defence, Department of Education Management,  
Faculty of Education, Al-Hikmah University,  
Ilorin, Kwara State, Nigeria 2023
- (ii) External Examiner, M.Sc. Dissertation  
Defence, Department of Physiology,  
Faculty of Basic Medical Sciences,  
Ladoke Akintola University of Technology,  
Ogbomoso, Oyo State, Nigeria 2023
- (iii) Associate Editor, Al-Hikmah Journal of  
Health Sciences, Official Publication of the  
Faculty of Health Sciences, Al-Hikmah University  
Ilorin, Kwara State, Nigeria 2023-To date
- (iv) Internal Examiner for Protocol Defence,  
Department of Education Management,  
Faculty of Education, Al-Hikmah University,  
Ilorin, Nigeria. 2022
- (v) Managing Editor, Al-Hikmah Journal of  
Health Sciences Official Publication of the  
Faculty of Health Sciences, Al-Hikmah  
University Ilorin, Nigeria 2021-2023
- (vi) Reviewer, Calabar Journal of  
Health Sciences, Official Publication of  
the Faculty of Basic Medical, Sciences,  
University of Calabar, Nigeria 2021-To date
- (vii) External Examiner, B.Sc. Project Defence,  
Department of Physiology, Faculty of  
Basic Medical Sciences, Ladoke Akintola  
University of Technology, Ogbomoso, Nigeria 2021

- (viii) Public Enlightenment on Sensitive Societal Issues such as COVID-19 Control and Prevention, Immunization and others

2015-To date

**J. CONTRIBUTION TO KNOWLEDGE:**

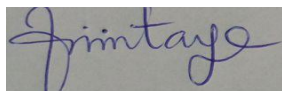
Animal studies using salt as an inducing agent have provided detailed insights into the pathophysiological mechanisms of hypertension. These models help in understanding how salt affects blood pressure and the cardiovascular system, and in testing potential therapeutic interventions. These contributions highlight the importance of salt in the etiology of hypertension and have informed both clinical practice and public health strategies aimed at controlling and preventing hypertension.

**EXTRA CURRICULAR ACTIVITIES:**

Reading, Meditating, and Travelling

**NAMES AND ADDRESSES OF REFEREES:**

1. Professor Y. Raji  
Department of Physiology,  
Faculty of Basic Medical Sciences,  
College of Medicine,  
University of Ibadan, Nigeria.  
[yoraji@yahoo.com](mailto:yoraji@yahoo.com), (+234) 8023263626
2. Professor D.C. Nwachukwu  
Department of Physiology,  
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3. Professor L.A. Olayaki  
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Faculty of Basic Medical Sciences,  
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[Olayaki@gmail.com](mailto:Olayaki@gmail.com), (+234) 8033814880



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**Signature**

9<sup>th</sup> November, 2024

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**Date**