

CURRICULUM VITAE

I. (a) NAME: Oluwatosin Adekunle **ADARAMOYE**

(b) DEPARTMENT: Biochemistry

(c) FACULTY: Basic Medical Sciences

(d) COLLEGE: Medicine

II. (a) FIRST ACADEMIC APPOINTMENT: Assistant Lecturer (06 April 1998)

(b) PRESENT POST (WITH DATE): Professor (01 October 2015)

(c) DATE OF LAST PROMOTION: 01 October 2015

(d) DATE OF FIRST APPOINTMENT: 06 April, 1998

(e) CURRENT POSITION: Professor of Biochemistry

III. UNIVERSITY EDUCATION (WITH DATES):

- University of Ibadan, Ibadan, Nigeria 1998- 2005
- University of Ibadan, Ibadan, Nigeria 1995- 1997
- University of Ilorin, Ilorin, Nigeria. 1989- 1994

IV. ACADEMIC QUALIFICATION (WITH DATES AND GRANTING BODIES):

- Doctor of Philosophy (Ph.D.) University of Ibadan, Nigeria 2005
- Master of Science (M.Sc.) University of Ibadan, Nigeria 1997
- Bachelor of Science (B.Sc.) University of Ilorin, Nigeria 1994

V. PROFESSIONAL QUALIFICATIONS AND DIPLOMAS (WITH DATES):

- Doctor of Philosophy (Ph.D.) in Biochemistry 2005

- Three months DAAD scholarship to Charite University of Medicine, Berlin, Germany. November, 2014 to January, 2015.

VII. HONOURS, DISTINCTIONS AND MEMBERSHIP OF LEARNED SOCIETIES:

- Member, Nigerian Society of Experimental Biology
- Member, UK Biochemical Society (MN: 00848073)
- Member, European Association for Cancer Research (EACR) (MN: 3720)

VIII. DETAILS OF TEACHING EXPERIENCE AT UNIVERSITY LEVEL:

a. Undergraduate level

1. Organization and Supervision of Practical classes for Medical, Physiotherapy and Biochemistry Students.
2. I have been teaching the following categories of Students (1998 to date):
 - Biochemistry lectures to MBBS Students at 200 and 300 levels.
 - Biochemistry lectures to BDS Students at 200 and 300 levels.
 - B.Sc. Physiotherapy Students at 200 level (BIC 340 and BIC 341).
 - B. Pharmacy Students at 300 level (BIC 340 and BIC 341).
 - B.Sc. Microbiology Students at 300 level (BIC 340 and BIC 341).
 - B.Sc. Human Nutrition Students at 200 and 300 levels (BIC 202, BIC 340 and BIC 341).
 - B.Sc. Biochemistry Students at 200, 300 and 400 levels (BIC 202, BIC 304, BIC 306, BIC 307, BIC 309, BIC 404, BIC 409, BIC 412, BIC 413 and BIC 414).
 - Supervision of Research Project of Final-year B.Sc. Biochemistry Students (Number of Students supervised = Over 30).

b. Postgraduate level

- I have been teaching M.Sc. Biochemistry Students in the field of Drug Metabolism and Toxicology (BIC 703) 2006-date
- I have been teaching specialized lectures to M.Sc. class in the area of General Biochemistry (BIC 701) 2006-date.

c. Undergraduate project supervision of B.Sc. Biochemistry Students

□ I have supervised more than Eighty (80) B.Sc. dissertations since 2003

d. Postgraduate project supervision

- Supervision of Research Project
 1. M.Sc. Biochemistry (Number of Students supervised = 50).
 2. Ph.D. Biochemistry (Number of Students supervised = 4).
- Presently supervising Research Project of M.Phil., M.Phil./ Ph.D. and Ph.D. Biochemistry Students (Number of Students = 6).

c. Area of teaching

- i. Chemistry of Carbohydrates
- ii. Enzymology
- iii. Lipid Biochemistry
- iv. Cell Biochemistry
- v. Drug metabolism and Toxicology

d. Administrative experience

- Provost, College of Postgraduate Studies, BOWEN University, Iwo Nov. 2020- Jul 2021 □
- Head of Department, Biochemistry Dept, BOWEN University, Iwo Feb – Jul 2021
- Sub-Dean (Postgraduate) Faculty of Basic Medicals Sciences, UI 2014 -2018
- Postgraduate Coordinator, Biochemistry Dept, UI 2010-2014
- Member, Departmental Appointment and Promotion Committee, UI 2010-Date
- Member, Departmental Academic board, Biochemistry Dept, UI 1998- Date
- MBBS/BDS Assistant Program Coordinator, Biochemistry Dept, UI 1998- 2003
- Member, B.Sc. (Biochemistry) Programme Committee, UI 2000- 2005
- B.Sc. Biochemistry Course Coordinator, UI 2005-2007
- MBBS/BDS Programme Coordinator, Biochemistry Dept, UI 2008- 2010

IX. RESEARCH:

(a) Completed

- Extraction of kolaviron (a biflavonoid complex) from *Garcinia kola* seeds
- Separation of kolaviron into its three main fractions
- Extraction of *Curcumin* (a phenolic diarylheptanoid) from *Curcuma longa* L.

- Studies on the anti-oxidative, anti-diabetic and hypolipidemic effects of kolaviron and its fractions *in vitro* and *in vivo*.
- Studies on the radioprotective effects of indigenous herbs with chemotherapeutic potentials in Wistar albino rats
- Screening of selected medicinal plants as putative inhibitors of soluble epoxide hydrolase (sEH): *in vitro* study.
- Possible anti-proliferative effects of selected medicinal plants against prostate carcinogenesis in PC-3 and LNCaP cells: *in vitro* study.

(b) In progress □ High throughput screening of herbs of Nigerian-origin as soluble epoxide hydrolase and 20-hydroxyeicosatetraenoic acid synthesis inhibitors: A novel therapeutic target in hypertension

The adverse effects of some antihypertensive drugs, such as Ca²⁺ channel inhibitors, alpha and beta blockers, etc are well documented. The need to protect humans against hypertension and related cardiovascular diseases (CVD) using newer and safer class of antihypertensive drugs is important. Therefore, a search of natural products that can protect humans from CVD is a key issue in cardiovascular research. The use of plant products may be beneficial in protecting against CVD since they are less toxic than the synthetic compounds. Recently, soluble epoxide hydrolase (sEH) inhibitors are gaining attention as potent antihypertensive agent. This enzyme converts epoxyeicosatrienoic acids (EETs), a metabolite from arachidonic acid to dihydroxyeicosatrienoic acids. This reaction results in a loss of biological activities of EETs, in particular its ability to mediate in vasodilation as endothelium-derived hyperpolarizing factors. Therefore, agents that can inhibit sEH synthesis will elicit antihypertensive effect. The current studies are centered on the protective efficacy of crude extracts from some medicinal plants such as *Garcinia kola*, *Alchornea laxiflora*, *Alstonia boonei*, *Morinda lucida*, *Curcuma longa L*, *Xylopiya aethiopica*, *Mallotus oppositifolius*, etc, as putative inhibitors of sEH. The extracts will be tested *in vitro* by high throughput screening using three different models; U937 cell line incubated with or without the extracts, biochemical assay kits from Cayman chemical company and HPLC screening. Based on the screening, functional studies involving calcium imaging with fluo-4-AM dye will be conducted to ascertain the effect of extracts on calcium signals in transfected HEK 293 cells capable of expressing TRPV1 585i ion channel, and whole-cell patch clamp experiments will also be conducted.

(c) Thesis

- **Ph.D Thesis:** Adaramoye, O.A. 2005. Evaluation of some Biochemical and Pharmacological Properties of *Garcinia kola* Seed Extracts in Experimental Animals. University of Ibadan, Ibadan, Nigeria.

(d) Grant attraction

- **University of Ibadan Senate Research Grant 2006 (SRG/COM/2006/36A)** Evaluation of radioprotective effects of indigenous herbs with chemotherapeutic potentials in albino rats. Amount: 370,000 naira

- **University of Ibadan Senate Research Grant 2010 (SRG/COM/2010/7A)** *in vitro* Screening of some indigenous medicinal plants as soluble epoxide hydroxylase (sEH) inhibitors. Amount: 400,000:00 naira
- **TETFUND IBR GRANT 2017**, ‘Evaluation of chemotherapeutic potentials of selected polyphenols from medicinal plants against development of benign prostate hyperplasia in experimental animal model’ Amount: 1,600,000:00 naira

X. PUBLICATIONS:

(a). **Books already published:** Nil

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

(c). **Articles that have already appeared in refereed conference proceedings:**

1. **Adaramoye, O.A.**, Akinloye, O., Ojo, O.O., Saka, A.A. and Adeyemi, E.O. Prevention of Carbon tetrachloride- induced hepatotoxicity in rabbits by phenolic diarylheptanoids of *Curcuma longa* L. Proceedings of the XXI international conference on polyphenols, Marrakech- Morocco, September 9- 12, 2002, Vol. 2, 327 – 328.

Percentage contribution: 40%

2. **Adaramoye, O.A.**, Odunewu, A.O. and Farombi, E.O. (2010): Hepatoprotective effect of *Curcuma longa* L. in D-galactosamine induced liver injury in mice: Evidence of antioxidant activity. African Journal of Medicine and Medical Sciences Vol. 39. (Supplementary), 27-34. (NIGERIA).

Percentage contribution: 60%

(d). **Patents:** Nil

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

3. Akinloye, O., **Adaramoye, O.A.**, Aluko, B.O. and Adejuwon, C.A. (2001): Changes in non-enzymatic antioxidant status among Nigerian Smokers. Biokemistri Vol.11. No. 2, 123-128. (NIGERIA).

Percentage contribution: 30%

4. Akinloye, O., Akintunde, C.O., Banjoko, S.O., **Adaramoye, O.A.** and Adeleye, S.O. (2002): An assessment of oestrogenic effect of soyprotein on female rabbits. Food Chemistry Vol. 77. No. 1, 67- 69. (UNITED KINGDOM).

Percentage contribution: 30%

5. **Adaramoye, O.A.**, Adesanoye, O.A., Akin Olusola and Akinloye, O. (2002): Antioxidant activity of turmeric extracts (*Curcuma longa* L.) and its effect on Iron/Ascorbate induced lipid peroxidation. Biokemistri Vol. 12. No. 1, 127-135. (NIGERIA).
Percentage contribution: 50%
6. Farombi, E.O., **Adaramoye, O.A.** and Emerole, G.O. (2002): Influence of chloramphenicol on hepatic microsomal components and biomarkers of oxidative stress: Protective role of antioxidants. Pharmacology and Toxicology Vol. 91. No. 3, 129- 134. (DENMARK).
Percentage contribution: 30%
7. Nwozo, S.O, **Adaramoye, O.A.** and Ajaiyeoba, E.O. (2004): Anti-diabetic and hypolipidemic studies of *Telfairia occidentalis* on alloxan-induced diabetic rabbits. Nigerian Journal of Natural Products and Medicine Vol. 08, 37-39. (NIGERIA).
Percentage contribution: 30%
8. **Adaramoye, O.A.**, Nwaneri, V.O., Anyanwu, K.C., Farombi, E.O. and Emerole, G.O. (2005): Possible anti- atherogenic effect of kolaviron (A *Garcinia kola* seed extract) in hypercholesterolemic rats. Clinical and Experimental Pharmacology and Physiology Vol. 32. No. 1-2, 40-46. (AUSTRALIA).
Percentage contribution: 50%
9. **Adaramoye, O.A.**, Farombi, E.O., Adeyemi, E.O. and Emerole, G.O. (2005): Comparative study on the antioxidant properties of flavonoids of *Garcinia kola* seeds. Pakistan Journal of Medical Sciences Vol. 21. No. 3, 331-339. (PAKISTAN).
Percentage contribution: 50%
10. **Adaramoye, O.A.** and Adeyemi, E.O. (2006): Hepatoprotection of D- galactosamineinduced toxicity in mice by purified fractions from *Garcinia kola* seeds. Basic and Clinical Pharmacology and Toxicology Vol. 98. No. 2, 135-141. (DENMARK).
Percentage contribution: 70%
11. **Adaramoye, O.A.** and Adeyemi, E.O. (2006): Hypoglycemic and hypolipidemic effects of fractions from kolaviron, a biflavonoid complex from *Garcinia kola* in streptozotocininduced diabetes mellitus rats. Journal of Pharmacy and Pharmacology Vol. 58. No. 1, 121-128. (UNITED KINGDOM). **Percentage contribution: 70%**
12. **Adaramoye, O.A.**, Achem, J., Akintayo, O.O. and Fafunso, M.A. (2007): Hypolipidemic effect of *Telfaira occidentalis* (Fluted pumpkin) in rats fed a cholesterol-rich diet. Journal of Medicinal Food Vol. 10. No. 2, 330-336. (SOUTH KOREA).
Percentage contribution: 60%

13. Olaleye, S.B., **Adaramoye, O.A.**, Erigbali, P.P. and Adeniyi, O.S. (2007): Lead exposure increases oxidative stress in the gastric mucosa of HCl/ ethanol- exposed rats. World Journal of Gastroenterology Vol. 13. No. 38, 5121-5126. (CHINA).
Percentage contribution: 30%
14. **Adaramoye, O.**, Ogungbenro, B., Anyaegbu, O. and Fafunso, M. (2008). Protective effects of extracts of *Vernonia amygdalina*, *Hibiscus sabdariffa* and vitamin C against radiation-induced liver damage in rats. Journal of Radiation Research Vol. 49. No. 2, 123-131. (JAPAN).
Percentage contribution: 60%
15. **Adaramoye, O.A.**, Osaimoje, D.O., Akinsanya, A.M., Nneji, C.M., Fafunso, M.A. and Ademowo, O.G. (2008): Changes in Antioxidant Status and Biochemical Indices after Acute Administration of Artemether, Artemether-Lumefantrine and Halofantrine in Rats. Basic and Clinical Pharmacology and Toxicology Vol. 102. No. 4, 412-418. (DENMARK).
Percentage contribution: 40%
16. **Adaramoye, O.A.**, Akintayo, O., Achem, J. and Fafunso, M.A. (2008): Lipid-lowering effects of methanolic extract of *Vernonia amygdalina* leaves in rats fed on high cholesterol diet. Vascular Health and Risk Management Vol. 4. No. 1, 235-241. (NEW ZEALAND).
Percentage contribution: 60%
17. **Adaramoye, O.A.**, Farombi, E.O., Nssien, M., Idowu, S.O., Ademowo, O.G. and Adeyemi, E.O. (2008): Hepatoprotective Activity of Purified Fractions from *Garcinia kola* Seeds in Mice Intoxicated with Carbon Tetrachloride. Journal of Medicinal Food Vol. 11. No. 3, 544–550 (SOUTH KOREA).
Percentage contribution: 40%
18. **Adaramoye, O.A.** and Medeiros, I.A. (2008): Involvement of Na⁺-Ca²⁺ exchanger in the endothelium-independent vasorelaxation induced by *Curcuma longa* L in isolated rat superior mesenteric arteries. Journal of Smooth Muscle Research Vol. 44. No. 5, 151158 (JAPAN).
Percentage contribution: 80%
19. **Adaramoye, O.A.** and Medeiros, I.A. (2009): Endothelium independent vasodilation induced by kolaviron, a biflavonoid complex from *Garcinia kola* seeds, in rat superior mesenteric arteries. Journal of Smooth Muscle Research Vol. 45. No. 1, 39-53 (JAPAN).
Percentage contribution: 80%
20. **Adaramoye, O.A.**, Anjos, R.M., Almeida, M.M., Veras, R.C., Silvia, D.F., Oliveira, F.A., Cavalcante, K.V., Araújo, I.G., Oliveira, A.P. and Medeiros, I.A. (2009): Hypotensive and endothelium-independent vasorelaxant effects of methanolic extract from *Curcuma longa* L. in rats. Journal of Ethnopharmacology Vol. 124. No. 3, 457-462 (NETHERLANDS)
Percentage contribution: 30%

21. **Adaramoye, O.A.**, Awogbindin, I. and Okusaga, J.O. (2009): Effect of kolaviron, a biflavonoid complex from *Garcinia kola* seeds, on ethanol-induced oxidative stress in liver of adult wistar rats. Journal of Medicinal Food Vol. 12. No. 3, 584-590 (SOUTH KOREA).
Percentage contribution: 70%

22. Akinloye, O., **Adaramoye, O.** and Kareem, O. (2009): Changes in antioxidant status and lipid peroxidation in Nigerian patients with prostate carcinoma. Polish Archives of Internal Medicine Vol. 119. No. 9, 526-531 (POLAND).
Percentage contribution: 40%

23. **Adaramoye, O.A.** (2010): Protective effect of kolaviron, a biflavonoid from *Garcinia kola* seeds, in brain of wistar albino rats exposed to γ -radiation. Biological and Pharmaceutical Bulletin Vol. 33. No. 2, 260-266 (JAPAN).
Percentage contribution: 100%

24. Okeola, V.O., **Adaramoye, O.A.**, Nneji, C.M., Falade, C.O., Farombi, E.O. and Ademowo, O.G. (2010). Antimalarial and antioxidant activities of methanolic extract of *Nigella sativa* seeds (black cumin) in mice infected with *Plasmodium yoelli nigeriensis*. Parasitology Research Vol. 108. No. 6, 1507-1512 (GERMANY).
Percentage contribution: 30%

25. **Adaramoye, O.A.**, Akinloye, O. and Olatunji, I.K. (2010): Trace elements and Vitamin E status in Nigerian patients with prostate cancer. African Health Sciences Vol. 10. No 1, 28. (UGANDA).
Percentage contribution: 70%

26. **Adaramoye, O.A.** and Almeida, M.M. (2010): Vasorelaxation induced by amodiaquine in rat superior mesenteric arteries: *in vivo* and *in vitro* studies. Acta Poloniae Pharmaceutica-Drug Research Vol. 67. No 5, 529-536 (POLAND).
Percentage contribution: 80%

27. **Adaramoye, O.A.** and Aluko, A. (2011). Methanolic Extract of *Cnidioscolus aconitifolius* Attenuates Renal Dysfunction Induced by Chronic Ethanol Administration in Wistar Rats. Alcohol and Alcoholism Vol. 46. No 1, 4-9. (UNITED KINGDOM). **Percentage contribution: 80%**

28. **Adaramoye O.A.**, Sarkar J., Singh N., Meena S., Changkija B., Yadav P.P., Kanojiya S. and Sinha S. (2011). Anti-Proliferative Action of *Xylopiya aethiopica* Fruit Extract on Human Cervical Cancer Cells. Phytotherapy Research Vol. 25, No. 10, 1558-1563 (UNITED KINGDOM)
Percentage contribution: 40%

29. Badmus, J.A., Adedosu, T.O., Fatoki, J.O., Adegbite, V.A., **Adaramoye, O.A.** and Odunola, O.A. (2011). Lipid peroxidation inhibition and anti-radical activities of some leaf fractions of *Mangifera indica*. Acta Poloniae Pharmaceutica-Drug Research Vol. 68.

No 1, 23-29 (POLAND).

Percentage contribution: 20%

30. **Adaramoye O.A.**, Aluko A. and Oyagbemi A.A. (2011) *Cnidioscolus aconitifolius* leaf extract protects against hepatic damage induced by chronic ethanol administration in Wistar rats. Alcohol and Alcoholism Vol. 46. No 4, 451-458 (UNITED KINGDOM).

Percentage contribution: 60%

31. **Adaramoye, O.A.**, Adedara, I.A. and Farombi, E.O. (2012). Possible ameliorative effects of kolaviron against reproductive toxicity in sub-lethally whole body gamma-irradiated rats. Experimental and Toxicologic Pathology Vol. 64, 379-385 (GERMANY). **Percentage contribution: 60%**

32. **Adaramoye, O.A.**, Adesanoye, O.A., Adewumi, O.M. and Akanni, O. (2012). Studies on the toxicological effect of nevirapine, an antiretroviral drug, on the liver, kidney and testis of male Wistar rats. Human and Experimental Toxicology, Vol. 31. No. 7, 676-685 (FINLAND)

Percentage contribution: 50%

33. **Adaramoye, O.A.**, Nwosu, I.O. and Farombi, E.O. (2012). Sub-acute Effect of N^G - nitro-arginine methyl-ester (L-NAME) on Biochemical Indices in Rats: Protective Effects of Kolaviron and Extract of *Curcuma longa* L. Pharmacognosy Research Vol. 4. No 3, 127133 (INDIA)

Percentage contribution: 60%

34. **Adaramoye, O.A.**, Adewumi, M.O., Adesanoye, O.A., Faokunla, O.O. and Farombi, E.O. (2012). Effect of tenofovir, an antiretroviral drug, on hepatic and renal functional indices of Wistar rats: protective role of vitamin E. Journal of Basic and Clinical Physiology and Pharmacology Vol. 23. No 2, 69-75 (ISRAEL) **Percentage contribution: 40%**

35. **Adaramoye, O.A.**, Akanni, O., Adesanoye, O.A., Labo-Popoola, O. and Olaremi, O. (2012). Evaluation of toxic effects of metformin hydrochloride and glibenclamide in some organs of Wistar rats. Nigerian Journal of Physiological Sciences Vol. 27. 137-144 (NIGERIA)

Percentage contribution: 50%

36. **Adaramoye, O.A.** (2012). Further studies on the anti-diabetic effect of kolaviron, a biflavonoid complex isolated from *Garcinia kola* seeds, in Wistar rats. African Health Sciences Vol. 12. No 4, 498-506 (UGANDA)

Percentage contribution: 100%

37. **Adaramoye, O.A.**, Amanlou, M., Habibi-Rezae, M., Pasalar, P. and Moosavi-Movahedi, A. (2012). Methanolic extract of African mistletoe (*Viscum album*) improves carbohydrate

metabolism and hyperlipidemia in streptozotocin-induced diabetic rats. Asian Pacific Journal of Tropical Medicine Vol. 12, 427-433 CHINA

Percentage contribution: 40%

38. Nneji, C.M., **Adaramoye, O.A.**, Falade, C.O. and Ademowo, O.G. (2013). Effect of chloroquine, methylene blue and artemether on red cell and hepatic antioxidant defence system in mice infected with *Plasmodium yoelii nigeriensis*. Parasitology Research; DOI 10.1007/s00436-013-3426-z (GERMANY)

Percentage contribution: 30%

39. **Adaramoye, O.A.**, Akanni, O.O. and Farombi, E.O. (2013). Nevirapine induces testicular toxicity in Wistar rats: reversal effect of kolaviron (biflavonoid from *Garcinia kola* seeds). Journal of Basic and Clinical Physiology and Pharmacology Vol. 1-8. doi: 10.1515/jbcpp2012-0078 (ISRAEL).

Percentage contribution: 60%

40. **Adaramoye, O.A.** and Arisekola, M. (2013). Kolaviron, a biflavonoid complex from *Garcinia kola* seeds, ameliorates ethanol-induced reproductive toxicity in Male Wistar rats. Nigerian Journal of Physiological Sciences Vol. 28, 009-015 (NIGERIA)

Percentage contribution: 70%

41. **Adaramoye, O.A.**, Akinwonmi O. and Akanni, O. (2013). Effects of Propofol, a SedativeHypnotic Drug, on the Lipid Profile, Antioxidant Indices, and Cardiovascular Marker Enzymes in Wistar Rats. ISRN Pharmacology, doi.org/10.1155/2013/230261 (UNITED STATES OF AMERICA)

Percentage contribution: 60%

42. Oloyede, G.K., **Adaramoye, O.A.** and Oguntokun, O.J. (2013). Phytochemical and hepatotoxicity studies on *Adansonia digitata* leaf extracts. Journal of Experimental and Applied Animal Science Vol. 1, No. 1, 25-34. (NIGERIA)

Percentage contribution: 40%

43. **Adaramoye, O.A.** and Akanni, O.O. (2014). Effects of Methanol Extract of Breadfruit (*Artocarpus altilis*) on Atherogenic Indices and Redox Status of Cellular System of Hypercholesterolemic Male Rats. Advances in Pharmacological Sciences, Article ID 605425, http://dx.doi.org/10.1155/2014/605425 (UNITED STATES OF AMERICA).

Percentage contribution: 70%

44. **Adaramoye, O.A.**, Akinpelu, T.A., Kosoko, A.M., Okorie, P.N., Kehinde, A.O., Falade, C.O. and Ademowo, O.G. (2014). Antimalarial potential of kolaviron, a biflavonoid from *Garcinia kola* seeds, against *Plasmodium berghei* infection in Swiss albino mice. Asian Pacific Journal of Tropical Medicine 97-104 (CHINA).

Percentage contribution: 40%

45. **Adaramoye, O.A.** and Azeez, F.A. (2014). Evaluation of Antioxidant and Acetylcholinesterase-inhibitory Properties of Methanol Extracts of *Nauclea latifolia*, *Cymbopogon citratus* and *Cocos nucifera*: An *In vitro* Study. British Journal of Medicine and Medical Research Vol. 4, No. 11, 2156-2170 (UNITED KINGDOM)

Percentage contribution: 70%

46. Samuel, B., Adigun, O. and **Adaramoye, O.A.**, (2014). Bioassay-guided investigation of *Lonchocarpus cyanescens* benth leaves extracts for antioxidant activities. African Journal of Biotechnology Vol. 13, No. 22, 2240-2247 (KENYA).

Percentage contribution: 25%

47. **Adaramoye, O.A.** and Olajuyin, A. (2014). A Comparative *in vitro* study on the antioxidant and anti-acetylcholinesterase properties of aerial parts of *Strophanthus preusii* Engl and Pax. West Indian Medical Journal Vol. 63, No. 5, 413-419 (JAMAICA).

Percentage contribution: 70%

48. Akanni, O.O., Owumi, S.E. and **Adaramoye, O.A.** (2014). *In vitro* studies to assess the antioxidative, radical scavenging and arginase inhibitory potentials of extracts from *Artocarpus altilis*, *Ficus exasperate* and *Kigelia africana*. Asian Pacific Journal of Tropical Biomedicine Vol. 4, Supplement 1, S492-S499 (CHINA)

Percentage contribution: 30%

49. Samuel, B., Owolabi, M., **Adaramoye, O.**, Williams, E. and Shreyans, K.J. (2014). Bioguided isolation of an antioxidant compound from *Combretum racemosum* p.beav leaf. International Journal of Biological and Chemical Sciences Vol. 6, No. 5, 2339-2346 (CAMEROON).

Percentage contribution: 20%

50. **Adaramoye, O.A.** and Lawal, S.O. (2015). Effect of kolaviron, a biflavonoid complex from *Garcinia kola* seeds, on the antioxidant, hormonal and spermatogenic indices of diabetic male rats. Andrologia, Vol. 26, No. 2, 65-72 (GERMANY).

Percentage contribution: 70%

51. **Adaramoye, O.A.** and Akanni, O.O. (2015). Protective effects of *Artocarpus altilis* (Moraceae) on cadmium-induced changes in sperm characteristics and testicular oxidative damage in rats. Andrologia, doi: 10.1111/and.12426 (GERMANY) **Percentage contribution: 70%**

52. **Adaramoye, O.**, Erguen, B., Oyebode, O., Nitzsche, B., Höpfner, M., Jung, K. and Rabien A. (2015). Antioxidant, antiangiogenic and antiproliferative activities of root methanol extract of *Calliandra portoricensis* in human prostate cancer cells. Journal of Integrative Medicine Vol 13, No. 3, 185-193. (CHINA)

Percentage contribution: 50%

53. Kehinde, A.O. and **Adaramoye, O.** (2015). Biochemical changes in blood and tissues of Wistar rats following administration of anti-tuberculosis drugs. African Journal of Biochemistry Research Vol 9, No. 4, 67-72. (NIGERIA).
Percentage contribution: 40%
54. **Adaramoye, O.A.**, Akanni, O.O., Adewumi, O.M. and Owumi, S.E. (2015). Lopinavir/Ritonavir, an Antiretroviral Drug, Lowers Sperm Quality and Induces Testicular Oxidative Damage in Rats. Tokai Journal of Experimental and Clinical Medicine Vol 40, No. 2, 5157. (JAPAN).
Percentage contribution: 50%
55. Adeleke, G.E., Adedosu, O.T., Badmus, J.I., **Adaramoye, O.A.**, Olajuemo, T.S. and Rasheed, S.O. (2015). Protective potential of betulinic acid against glyphosate- Induced toxicity in testis and epididymis of male Wistar rats. International Journal of Current Research Vol 7, No. 6, 16650-16660. (INDIA).
Percentage contribution: 20%
56. **Adaramoye, O.A.** and Akanni, O.O. (2015). Modulatory effects of methanol extract of *Artocarpus altilis* (Moraceae) on cadmium-induced hepatic and renal toxicity in male Wistar rats. Pathophysiology Vol 23, No. 1, 1-9 (USA)
Percentage contribution: 70%
57. **Adaramoye, O.A.** and Akanni, O.O. (2016). Effects of long-term administration of aspartame on biochemical indices, lipid profile and redox status of cellular system of male rats. Journal of Basic and Clinical Physiology and Pharmacology Vol 27, No. 1, 29-37. (ISRAEL).
Percentage contribution: 70%
58. **Adaramoye, O.A.**, Azeez, A.F. and Ola-Davies, O.E. (2016). Ameliorative Effects of Chloroform Fraction of *Cocos nucifera* L. Husk Fiber Against Cisplatin- induced Toxicity in Rats. Pharmacognosy Research Vol 8, No. 2, 89-96 (INDIA) **Percentage contribution: 50%**
59. **Adaramoye, O.A.**, Kehinde, A.O., Adefisan, A., Adeyemi, O., Oyinlola, I. and Akanni, O.O. (2016). Ameliorative effects of kolaviron, a biflavonoid fraction from *Garcinia kola* seed, on hepato-renal toxicity of anti-tuberculosis drugs in Wistar rats. Tokai J Exp Clin Med Vol 41, No. 1: 14-21 (JAPAN).
Percentage contribution: 50%
60. Kehinde, A., Adefisan, A., Adebayo, O. and **Adaramoye, O.** (2016). Biflavonoid fraction from *Garcinia kola* seed ameliorates hormonal imbalance and testicular oxidative damage by anti-tuberculosis drugs in Wistar rats. J Bas Clin Physiol Pharmacol Vol 27, No. 4:393401. (ISRAEL).
Percentage contribution: 30%

61. Olajuyin, A.M., Yang, M., Liu, Y., Mu, T., Tian, J., **Adaramoye, O.A.**, and Xing, J. (2016). Efficient production of succinic acid from *Palmaria palmata* hydrolysate by metabolically engineered *Escherichia coli*. Bioresource Technology, Vol 214: 653-659. **Percentage contribution: 20%**

62. Adeleke, G.E., and **Adaramoye, O.A.** (2016). Modulatory role of betulinic acid in N-nitrosodimethylamine-induced hepatorenal toxicity in male Wistar rats. Hum Exp Toxicol. 2016 Aug 4. pii: 0960327116661399. **Percentage contribution: 40%**

63. Olopade, F.E., **Adaramoye, O.A.**, Raji, Y., Fasola, A.O., and Olapade-Olaopa, E.O. (2016). Developing a competency-based medical education curriculum for the core basic medical sciences in an African Medical School. Adv Med Educ Pract. 2016, Vol 7, 389-98. **Percentage contribution: 25%**

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65. Adeleke, G.E., Adedosu, O.T., **Adaramoye, O.A.**, Olagunju, A.S., Teibo, O.J., Arinde, O.O., and Afolabi, O.K. (2016). Hepatoprotective Effect of Methanol Extract of *Diospyros chloroxylon* Leaf in N-Nitrosodimethylamine-induced toxicity in rats. Asian Pacific Journal of Health Sciences Vol 3, No. 3:142-152 **Percentage contribution: 20%**

66. Oyeyemi, I.T., Akanni, O.O., **Adaramoye, O.A.**, and Bakare, A.A. (2017). Methanol extract of *Nymphaea lotus* ameliorates carbon tetrachloride-induced chronic liver injury in rats via inhibition of oxidative stress. Journal of Basic and Clinical Physiology and Pharmacology Vol 28, No. 1: 43-50. **Percentage contribution: 20%**

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69. **Adaramoye O**, Erguen B, Nitzsche B, Höpfner M, Jung K, Rabien A. (2017) .Punicalagin, a polyphenol from pomegranate fruit, induces growth inhibition and apoptosis in human PC-

3 and LNCaP cells. Cemico-Biological Interactactions. pii: [S0009-2797\(17\)30511-2](https://doi.org/10.1016/j.cbi.2017.07.009). doi: [10.1016/j.cbi.2017.07.009](https://doi.org/10.1016/j.cbi.2017.07.009) (Germany).

Percentage contribution: 40%

70. **Adaramoye OA**, Erguen B, Nitzsche B, Höpfner M, Jung K, Rabien A. Antioxidant and antiproliferative potentials of methanol extract of *Xylopiya aethiopica* (Dunal) A. Rich in PC-3 and LNCaP cells. J Basic Clin Physiol Pharmacol. 2017 Jul 26;28(4):403-412.
Percentage contribution: 40%

71. Popoola B., Ashefor O., Akanni O., **Adaramoye O**. Biochemical, hormonal and histological changes in prostate of Wistar rats following long term streptozotocin-induced diabetes mellitus. Niger. J. Physiol. Sci., 2017; 32(1): 85-90.

Percentage contribution: 30%

72. **Adaramoye OA**, Akanni OO, Abiola OJ, Owumi SE, Akinloye O, Olapade-Olaopa EO. Methyl jasmonate reduces testosterone-induced benign prostatic hyperplasia through regulation of inflammatory and apoptotic processes in rats. Biomed Pharmacother. 2017 Sep 20;95:1493-1503.

Percentage contribution: 40%

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Percentage contribution: 30%

74. Olajuyin AM, Yang M, Mu T, Tian J, Thygesen A, Adesanoye OA, **Adaramoye OA**, Song A, Xing J. (2018). Enhanced production of succinic acid from methanol-organosolv pretreated *Strophanthus preussii* by recombinant Escherichia coli. Bioprocess Biosyst Eng. 2018 Jul 13. doi: [10.1007/s00449-018-1977-1](https://doi.org/10.1007/s00449-018-1977-1).

Percentage contribution: 20%

75. Folarin OR, **Adaramoye OA**, Akanni OO, Olopade JO. (2018). Changes in the brain antioxidant profile after chronic vanadium administration in mice. Metab Brain Dis. 2018 Apr;33(2):377-385. doi: [10.1007/s11011-017-0070-9](https://doi.org/10.1007/s11011-017-0070-9).

Percentage contribution: 20%

76. **Adaramoye OA**, Oladipo TD, Akanni OO, Abiola OJ. Hexane fraction of *Annona muricata* (Sour sop) seed ameliorates testosterone-induced benign prostatic hyperplasia in rats. Biomed Pharmacother. 2018 Dec 27;111:403-413.

Percentage contribution: 30%

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Percentage contribution: 40%

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Percentage contribution: 20%

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Percentage contribution: 20%

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Percentage contribution: 40%

81. Akanni OO, Owumi SE, Olowofela OG, Adeyanju AA, Abiola OJ, **Adaramoye OA**. Protocatechuic acid ameliorates testosterone-induced benign prostatic hyperplasia through the regulation of inflammation and oxidative stress in castrated rats. *J Biochem Mol Toxicol*. 2020 Mar 30:e22502. doi: 10.1002/jbt.22502.

Percentage contribution: 20%

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Percentage contribution: 20%

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Percentage contribution: 30%

84. Folayan A, Akani E, Adebayo OA, Akanni OO, Owumi SE, Tijani AS, **Adaramoye OA**. Ameliorative effects of hexane extract of *Garcinia kola* seeds Heckel (*Clusiaceae*) in cisplatin-induced hepatorenal toxicity in mice. *Drug Chem Toxicol*. 2020 Aug 18:1-11. doi: 10.1080/01480545.2020.1808671.

Percentage contribution: 20%

85. Ogunsuyi O, Ogunsuyi O, Akanni O, Alabi O, Alimba C, **Adaramoye O**, Cambier S, Eswara S, Gutleb AC, Bakare A. Physiological and histopathological alterations in male

Swiss mice after exposure to titanium dioxide (anatase) and zinc oxide nanoparticles and their binary mixture. *Drug Chem Toxicol.* 2020. Aug 30:1-26. doi: 10.1080/01480545.2020.1811720.

Percentage contribution: 20%

86. Arowoogun J, Akanni OO, Adefisan AO, Owumi SE, Tijani AS, **Adaramoye OA**. Rutin ameliorates copper sulfate-induced brain damage via antioxidative and anti-inflammatory activities in rats. *J Biochem Mol Toxicol.* 2021 Jan;35(1):e22623. doi: 10.1002/jbt.22623. **Percentage contribution: 20%**

87. Adebayo OA, Akinloye O, **Adaramoye OA**. Cerium oxide nanoparticles elicit antitumorigenic effect in experimental breast cancer induced by N-methyl-N-nitrosourea and benzo(a)pyrene in female Wistar rats. *J Biochem Mol Toxicol.* 2021 Apr;35(4):e22687. doi: 10.1002/jbt.22687. **Percentage contribution: 30%**

88. Owumi SE, Anaikor RA, Arunsi UO, **Adaramoye OA**, Oyelere AK. Chlorogenic acid co-administration abates tamoxifen-mediated reproductive toxicities in male rats: An experimental approach. *J Food Biochem.* 2021 Jan 24:e13615. doi: 10.1111/jfbc.13615. **Percentage contribution: 20%**

89. Adefisan AO, Owumi SE, Soetan KO, **Adaramoye OA**. Chloroform extract of *Calliandra portoricensis* inhibits tumorigenic effect of N-methyl-N-nitrosourea and benzo(a)pyrene in breast experimental cancer. *Drug Chem Toxicol.* 2021 Jul 29:1-15. doi: 10.1080/01480545.2021.1957556. **Percentage contribution: 30%**

90. Kosemani, S., Bakare, A., **Adaramoye, O**. Fraction from *Calliandra portoricensis* reduces 7, 12 dimethylbenz(a)anthracene-induced mammary tumors in Wistar rats. *Avicenna Journal of Phytomedicine* 2021 Aug 30, doi: 10.22038/ajp.2021.18641 **Percentage contribution: 30%**

91. Adeleke GE, **Adaramoye OA**. Betulinic acid abates N-nitrosodimethylamine-induced changes in lipid metabolism, oxidative stress, and inflammation in the liver and kidney of Wistar rats. *J Biochem Mol Toxicol.* 2021 Nov;35(11):e22901. doi: 10.1002/jbt.22901. **Percentage contribution: 40%**

(f). **Books, Chapters in Books and Articles already accepted for Publication: Nil**

(g). **Technical Reports and Monographs: Nil**

XI. MAJOR CONFERENCES ATTENDED WITH PAPERS READ:

- (i) **Adaramoye, O.A.** and Odunewu, A.O. Hepatoprotective effect of *Curcuma longa* L in D-galactosamine induced liver injury in mice: Evidence of antioxidant activity. **Proceedings of the 1st Unibadan conference of biomedical research from 26-30 August 2008 in University of Ibadan, Nigeria.**
- (ii) **Adaramoye, O.A.** and Medeiros, I.A. Involvement of Na⁺ -Ca²⁺ exchanger in the endothelium-independent vasorelaxation induced by *Curcuma longa* L in isolated rat superior mesenteric arteries. **Proceedings of the 66th Harden conference by the Biochemical Society (UK) from 10-14 September 2008 in University of Chester, Chester, United Kingdom.**
- (iii) **Adaramoye, O.A.** and Medeiros, I.A. Endothelium-independent vasodilation induced by kolaviron, a biflavonoid complex from *Garcinia kola* seeds, in isolated rat superior mesenteric arteries. **1st meeting on African Network for drug/ diagnostics discovery and innovation (ANDI) from 6-8 October 2008 in Transcorp Hilton Abuja, Nigeria.**
- (iv) **Adaramoye, O.A.** and Medeiros, I.A. Involvement of Na⁺ -Ca²⁺ exchanger in the endothelium-independent vasorelaxation induced by *Curcuma longa* L in isolated rat superior mesenteric arteries. **Proceedings of Humboldt-Kolleg by the AvH from 10th12th August 2009 at MicCom Golf Hotel and Resort, Osogbo, Nigeria.**
- (v) **Adaramoye, O.A.,** Singh, N., Meena, S., Changkija, B., Konwar, R., Sarkar, J. and Sinha, S. Mechanism of antiproliferative action of *Xylopiya aethiopica* (Annonaceae) dried fruits extract on human cervical cancer cells. **Proceedings of the 2nd Stakeholders Meeting of African Network for Drug/ Diagnostics Discovery and Innovation (ANDI) from 46 October 2009 at Medical Research Council (MRC), Cape Town, South Africa.**
- (vi) Participant at a workshop on ‘**Molecular Interactions**’ at the Zuse Institute, Free University, Berlin-Germany, from October 5-8, 2011.
- (vii) **Adaramoye, O.A.,** Lawal, S.E., Akanni, O.O. and Farombi, E.O. (2012). Protective effect of kolaviron (Biflavonoid of *Garcinia kola*) against isoproterenol-induced cardiotoxicity in Wistar rats. Presentation at the **Third Unibadan Conference for Biomedical Research. Theme ‘Biotechnology for Health and Sustainable Development’, Conference Centre, University of Ibadan, Nigeria, 24-27 July 2012**
- (viii) Participant and presenter at the fourth Unibadan Conference for Biomedical Research. Theme ‘Biotechnology for Health and Sustainable Development’, Conference Centre, University of Ibadan, Ibadan, Nigeria, 1-4 July 2014.
- (ix) **Interdisziplinäre Forschung in der Urologie, The 6th AuF Symposium, 13–15 November, 2014. Homburg/Saar, Germany.** Paper read: **Adaramoye, O.,** Erguen, B., Oyebo, O., Nitzsche, B., Höpfner, M., Jung, K. and Rabien A. Antioxidant, antiangiogenic and antiproliferative activities of root methanol extract of *Calliandra portoricensis* in human prostate cancer cells.

- (x) Adesola F. Azeez, Ololade O. Adewumi, Peter A. Ayodele, Peace T. Iroko and **Oluwatosin A. Adaramoye**. The effects of Manix®, an herbal formula, on biochemical parameters, antioxidant status and reproductive hormones in male rats. **Proceedings of the 5th Unibadan conference of biomedical research from 12-15 July 2016 in University of Ibadan, Nigeria.**
- (xi) Adebayo, O.A., Adesanoye, O.A., Abolaji, A.O. and **Adaramoye, O.A.** Administration of first line anti-tuberculosis drugs induces ovarian and uterine oxidative stress and disruption of endocrine balance in rats. **Proceedings of the 5th Unibadan conference of biomedical research from 12-15 July 2016 in University of Ibadan, Nigeria.**
- (xii) Adefisan, A., Ayodele, O.O., Oladosu, I.O. and **Adaramoye, O.A.** Protective effects of three structurally related flavonoids from root of *Markhamia tomentosa* (Benth) K. Schum against diethylnitrosamine-induced testicular damage in mice. **Proceedings of the 5th Unibadan conference of biomedical research from 12-15 July 2016 in University of Ibadan, Nigeria.**
- (xiii) **Oluwatosin A. Adaramoye** and Oluyemi Akinloye. “**Ancient Doctors and local Priests heal with herbs: Lessons for Biomedical Scientists in the millennium**” Plenary Speaker at the **Humboldt-Kolleg by the AvH from 14th-17th October 2016 at University of Lagos, Akoka, Nigeria.**
- (xiv) **O.A. Adaramoye** and S. Lawal. Effects of kolaviron, a biflavonoid complex from *Garcinia kola* seeds, on the antioxidant, hormonal and spermatogenic indices of diabetic male rats. A poster presentation at the **17th International Congress of Endocrinology and 15th Annual Meeting of the Chinese Society of Endocrinology (ICE-CSE 2016) from August 31 - September 4, 2016 in Beijing, China.**
- (xv) **Oluwatosin Adaramoye**, Bettina Erguen, Bianca Nitzsche, Michael Höpfner, Klaus Jung and Anja Rabien. Punicalagin, a polyphenol from pomegranate fruit, induces growth inhibition and apoptosis in human PC-3 and LNCaP cells. An oral presentation at the **Humboldt-Kolleg by the AvH from 2nd-6th April 2017 at Federal University of Technology Akure (FUTA), Nigeria.**
- (xvi) **Adaramoye, O.A.**, Owumi, S.E., Akanni, O.O., Olapade-Olaopa, E.O., Abiola, J.O. and Akinloye, O. (2017). Methyl jasmonate and finasteride synergistically reduce testosterone-induced benign prostatic hyperplasia through regulation of inflammatory and apoptotic processes in rats. **Presentation at an AACR Conference on Prostate Cancer held in Disney’s Boardwalk Inn, Florida, FL, US from 2-5 December 2017.**
- (xvii) O. A. Adebayo, O. Akinloye, **O. A. Adaramoye**. Cerium oxide nanoparticles protect against Diethylnitrosamine-induced liver toxicity in male balb/c mice. **Proceedings of the 6th Unibadan conference of biomedical research from 10-13 July 2018 in University of Ibadan, Nigeria.**

- (xviii) Adefisan, A., **Adaramoye, O.A.** *N-Methyl-N-nitrosourea* induces ovarian and uterine oxidative stress in rats: Ameliorative potential of methanol extract of root bark of *Calliandra portoricensis*. **Proceedings of the 6th Unibadan conference of biomedical research from 10-13 July 2018 in University of Ibadan, Nigeria.**
- (xix) Akanni, O.O., Folayan, A., **Adaramoye, O.A.** Ameliorative effects of hexane fraction of *Garcinia kola* Heckel (Clusiaceae) seeds in cisplatin-induced hepato-renal toxicity in mice. **Proceedings of the 6th Unibadan conference of biomedical research from 10-13 July 2018 in University of Ibadan, Nigeria.**
- (xx) Lawal, S.O., **Adaramoye, O.A.** *In vitro* antioxidant activities of extracts from *Hedranthera barteri* HOOK F. (PICHON), *Allophylus africanus* P. BEAUV and *Cola millenii* K. SCHUM . **Proceedings of the 6th Unibadan conference of biomedical research from 10-13 July 2018 in University of Ibadan, Nigeria.**
- (xxi) **O.A. Adaramoye**, B. Popoola and O. Ashefor. Metformin and kolaviron, a biflavonoid complex, ameliorate the comorbidity of diabetes mellitus and benign prostatic hyperplasia in castrated rats. **An oral presentation at the 18th International Congress of Endocrinology and 53rd SEMDSA (ICE-SEMDSA 2018) from December 1-4, 2018 in Cape Town, South Africa.**
- (xxii) **O.A. Adaramoye**, “How can the study of natural products help facilitate the engagement of basic scientists in translational research for the purpose of informing policy in Nigeria” Plenary Speaker at the **Humboldt-Kolleg by the AvH from 15th-18th October 2019 at Nigerian Institute of Medical Research (NIMR) Yaba, Lagos, Nigeria.**



September 12, 2022

Signature

Date