

CURRICULUM VITAE

- I. NAME:** Omolola Abidemi **ADESANOYE**
- DEPARTMENT:** Biochemistry
- FACULTY:** Basic Medical Sciences
- II. FIRST ACADEMIC APPOINTMENT:** Assistant Lecturer (05 November, 1999)
- PRESENT POST:** Senior Lecturer I (01 October, 2014)
- DATE OF LAST PROMOTION:** 01 October, 2014
- DATE LAST CONSIDERED:** Not Applicable
- III. UNIVERSITY EDUCATION (WITH DATES)**
- University of Ibadan, Ibadan, Nigeria 2000 - 2010
 - University of Ibadan, Ibadan, Nigeria 1994 - 1995
 - Ondo State University, Ado Ekiti, Nigeria 1987 - 1991
- IV. ACADMIC QUALIFICATIONS (WITH DATES AND GRANTING BODIES)**
- Doctor of Philosophy (PhD) University of Ibadan, Nigeria 2010
 - Masters of Science (M.Sc.) University of Ibadan, Nigeria 1995
 - Bachelor of Science (B.Sc.) Ondo State University, Nigeria 1991
- V. PROFESSIONAL QUALIFICATIONS AND DIPLOMAS (WITH DATES):**
- Doctor of Philosophy (Ph.D.) in Biochemistry 2010

VI. SCHOLARSHIPS, FELLOWSHIPS AND PRIZES (WITH DATES)

- Ondo State Scholarship Award for Undergraduate Students. 1988/1989 Session
- Doctoral Research Grant Award under Staff Training Research Capacity Building Programme of John D. and Catherine T. MacArthur Foundation Grant. 2010. To carry out part of my PhD bench work at the University of Ibadan.
- Senate Research Grant. University of Ibadan. 2010.
- Sir Mobolaji Bank-Anthony Fellowship in Urology, Nephrology and forensic Medicine. An award of Postdoctoral Fellowship to carry out research study on 'Ameliorative effects of Luteolin (a Phenolic Compound) on Bisphenol A-induced cell proliferation in Prostate gland and Prostate Cell lines at Charite University of Medicine, Campus Mitte, Berlin, Germany. April 2015 – April 2016.

VII. HONOURS, DISTINCTIONS AND MEMBERSHIP OF LEARNED SOCIETIES:

- Member, UK Biochemical Society
- Member, Society of Toxicology

VIII. DETAILS OF TEACHING EXPERIENCE AT UNIVERSITY LEVEL

(a) Undergraduate Level:

- Supervision and demonstration of practical classes to Medical, Physiotherapy and Biochemistry students.
- Biochemistry lectures to the following categories of students:
 - MBBS, BDS students.
 - B.Sc. Physiotherapy students.
 - B. Pharmacy students.
 - B.Sc Physiology students.
 - B.Sc. Microbiology students.
 - B.Sc. Human Nutrition students.
 - B.Sc. Nursing students.
 - B.Sc. Biochemistry students.

□ B.Sc. Project Supervision

Number of B.Sc. projects supervised till date: 9

Number of B.Sc. projects co-supervised till date: 7

(b) Postgraduate Level:

- Lectures in the area of Xenobiochemistry to M.Sc. Biochemistry students
- **M.Sc. project Supervision**

Number of M.Sc. projects completely supervised till date: 10

Co supervision of M.Sc. students (2008 – 2022): 20

Ongoing M.Sc. students' supervision: 4

(c) Areas of teaching:

- Chemistry and Metabolism of Proteins.
- Chemistry and Biochemistry of Vision.
- Biochemical Functions of Vitamins.
- Enzymology.
- Endocrinology.
- Immunology
- Biochemistry of Nucleic Acids.
- Cell Biochemistry.
- Chemistry and Metabolism of Carbohydrates.
- Biochemical roles and functions of Liver and Kidney
- Drug Metabolism and Toxicology

(d) Administrative experience

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| (a) | Member, Departmental Academic Board | 1999 - Date |
| (b) | Course Registrar, 300Level Biochemistry students. | 1999 – 2002 |
| (c) | Course Registrar, 200 Level Biochemistry students | 2002 – 2009 |
| (d) | Member, Committee on B.Sc. Program | 2007 – 2010 |
| (d) | Assistant Chairperson, Departmental Welfare Committee | 2009 – Date |
| (e) | Departmental Representative; Faculty of Pharmacy Board | 2010 - 2014 |
| (f) | MBBS Program Assistant Coordinator | 2010 - 2013 |
| (g) | MBBS Program Coordinator | 2013 – Date |

IX. RESEARCH EXPERIENCE

Research Interest

- Chemopreventive and therapeutic uses of natural products, especially medicinal plant in the amelioration/treatment of drugs and chemical-induced tissue and organ damages.
- Molecular and biochemical mechanisms of toxicities of environmental toxicants and the possible ameliorative agents.

(a) Completed:

- Antioxidant and hepato-protective effects of the methanolic extract of *Vernonia amygdalina* against CCl₄-induced liver damage in rats.
- Anti-hemolytic effect of *Vernonia amygdalina* in Human red blood cells.
- Modulatory effect of *Vernonia Amygdalina* on some free radical-induced diseases.
- Antioxidant and Chemoprotective properties of *Vernonia amygdalina* against 2-AAF-induced organ damage.
- Structural elucidation of crude methanolic extract of *Vernonia amygdalina*.
- *In vivo* and *in vitro* antioxidant properties of *Vernonia amygdalina*.
- Modulatory effect of *Vernonia amygdalina* on Allyl Alcohol-induced liver and kidney injuries in rats.
- Ameliorating potentials of *Vernonia amygdalina* on toxicological effects of Hydrochlorothiazide (HCT) in rats.
- Cardio-Renal effect of combined administration of hydrochlorothiazide (HCT) and ethanol in Wistar rats; possible protective effects of *Vernonia amygdalina*.
- Toxicological effects of Bisphenol-A in male and female rats; possible ameliorative effects of luteolin and *Vernonia amygdalina* extract.

(b) Dissertation and thesis

□ **PhD Thesis: Adesanoye O.A., 2010.**

Antioxidant and chemoprevention properties of *Vernonia amygdalina* Del. Leaf extract in experimental models of hepatotoxicity and human erythrocyte lysis

(c) Peer Recognition

□ **Journal Review:**

- International Journal of Biological and Chemical Sciences
- Nigerian Journal of Nutritional Sciences

X. PUBLICATIONS

1. Adaramoye, A.O., **Adesanoye, O.A.**, Olusola, A., Akinloye, O. (2002): Anti – oxidant activity of Tumeric extract (*Cucuma longa*) and its effect on iron/ascorbate induced lipid peroxidation. *Biokemistri* Vol.12 No. 2, 127-135.
2. Olusola, A.O., Obodozie, O.O., Nssien, M., Adaramoye, A.O., **Adesanoye, O.A.**, Odama, L.E., Emerole, G.O. (2004): Concentrations of Copper, Iron and Zinc in major organs of the Wistar Albino rats – A comparative study. *Biological Trace Elements Research* Vol. 98 No. 3, 265-274.
3. Akinmoladun, A.C., **Adesanoye, O.A.**, Adedara I.A., Obuotor E.M., Farombi E.O. (2009): Chemopreventive properties of *Hibiscus sabdariffa* L. (ROSELLE). In: Nutritional Antioxidants in Cancer and Degenerative Diseases. Edited by E. Olatunde Farombi. (Transworld Research Network Kerala, India. ISBN: 978-81-7895-423-3). Chapter 5: pp 115-129.
4. **Adesanoye, O.A.**, Farombi, E.O. (2010): Hepatoprotective effects of *Vernonia amygdalina* (Astereaceae) in rats treated with carbon tetrachloride. *Experimental and Toxicologic Pathology* Vol. 62, 197-206.
5. Adedara, I.A., **Adesanoye, O.A.**, Farombi, E.O. (2010): Evaluation of antioxidant properties of *Mallotus oppositifolius* in *in vitro*, *in vivo* and *ex-vivo* model systems. *African Journal of Medicine & medical Sciences* Vol. 39, 67-72.
6. Ekor, M., **Adesanoye, O.A.**, Farombi, E.O. (2010): N-Acetylcysteine pretreatment ameliorates mercuric chloride-induced oxidative renal damage in rats. *African Journal of Medicine & medical Sciences* Vol. 39, 153-160.
7. Ekor, M., **Adesanoye, O.A.**, Udo, I.E., Adegoke, O.A., Raji, J., Farombi, E.O. (2010): *Hibiscus Sabdariffa* ethanolic extract protects against dyslipidemia and oxidative stress induced by chronic cholesterol administration in rabbits. *African Journal of Medicine & medical Sciences* Vol. 39, 161-170.
8. Ekor, M., Odewabi, A.O., Kale, O.E., Oritogun, K.S., **Adesanoye, O.A.**, Bamidele, T.O. (2011): Pharmacologic inhibition of the renin-angiotensin system did not attenuate hepatic toxicity induced by carbon tetrachloride in rats. *Human & Experimental Toxicology* Vol. 30 No. 11, 1840-1848.
9. Adaramoye, O.A., **Adesanoye, O.A.**, Adewumi, O.M., Akanni, O. (2012): Studies on the toxicological effect of nevirapine, an antiretroviral drug, on the liver, kidney and testis of male Wistar rats. *Human & Experimental Toxicology* Vol. 31 No.7, 676-685.
10. Adaramoye, O, Akanni, O, **Adesanoye, O**, Labo-Popoola, O, Olaremi, O. (2012). Evaluation of toxic effects of metformin hydrochloride and glibenclamide on some organs of male rats. *Nigerian Journal of Physiological Science* Vol. 27 No. 2, 137-144.

11. Adaramoye, OA, Adewumi, OM, **Adesanoye, OA**, Faokunla, OO, Farombi, EO. (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.
12. Ekor, M., Odewabi, A.O., Kale, O.E., **Adesanoye, O.A.**, Bamidele, T.O. (2013). Celecoxib, a selective cyclooxygenase-2 inhibitor, lowers plasma cholesterol and attenuates hepatic lipid peroxidation during carbon tetrachloride associated liver injury in rats. *Drug and Chemical Toxicology* Vol. 36 No. 1, 1-8.
13. **Adesanoye, O.A.**, Molehin, O., Delima, A., Adefegha, A., Farombi, E.O. (2013). Modulatory effect of methanolic extract of *Vernonia amygdalina* (MEVA) on tert- butyl hydroperoxide-induced erythrocyte hemolysis. *Cell Biochemistry and Functions* Vol. 31 No. 7, 545-550.
14. Ekor, M., Odewabi, A.O., Kale, O.E., Bamidele, T.O., **Adesanoye, O.A.**, Farombi E.O. (2013): Modulation of paracetamol-induced hepatotoxicity by phosphodiesterase isozyme inhibition in rats: a preliminary study. *Journal of Basic and Clinical Physiology and Pharmacology* Vol. 24 No. 1, 73-79.
15. **Adesanoye, O.A.**, Adekunle, A.E., Adewale, O.B., Mbagwu, A.E., Delima, A.A., Adefegha, S.A., Molehin, O.R., Farombi, E.O (2013): Chemoprotective effect of *Vernonia amygdalina* del. (Astereacea) against 2-acetylaminofluorene-induced hepatotoxicity in rats. *Toxicology and Industrial Health* Sept 10, 2013. (Epub ahead of print).
16. **Adesanoye, O.A.**, Ifezue, A.O.C., Farombi, E.O. (2014): Influence of Chloramphenicol and Amoxicillin on Rat Liver Microsomal Enzymes and Lipid Peroxidation. *African Journal of Biomedical Research* Vol.17, 135- 142.
17. **Adesanoye, O.A.**, Farombi, E. O. (2014): *In vitro* antioxidant properties of methanolic leaf extract of *Vernonia amygdalina*. *Nigerian Journal of Physiological Science* Vol. 29 No. 2, 91-101.
18. Abolaji, A.O., **Adesanoye, O.A.**, Awogbindin I., Farombi, E.O. (2016): Endocrine disruption and oxidative stress implications of artemether-lumefantrine combination therapy in the ovary and uterus of rats. *Hum Exp Toxicol*. 2016 Jan 25. pii: 0960327115626580. (Epub ahead of print).
19. Adebayo O.A., **Adesanoye O.A.**, Abolaji O.A., Kehinde A.O., Adaramoye O.A. (2018): First-line antituberculosis drugs disrupt endocrine balance and induce ovarian and uterine oxidative stress in rats. *J Basic Clin Physiol Pharmacol*. 2018 Mar 28; 29(2):131-140. doi: 10.1515/jbcpp-2017-0087.
20. Olajuyin A.M., Yang M., Mu T., Tian J., Thygesen A., **Adesanoye O.A.**, Adaramoye O.A., 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. [Epub ahead of print]

21. **Adesanoye O.A.**, Abolaji A.O., Faloye T.R., Olaoye H.O., Adedara A.O. (2020): Luteolin-Supplemented diets ameliorates Bisphenol A-Induced toxicity in *Drosophila melanogaster*. Food and Chemical Toxicology. 142: 111478.
22. **Adesanoye O.A.**, Farodoye O.M., Adedara A.O., Falobi A.A., Abolaji A.O., Ojo O.O. (2021): Beneficial actions of esculentin-2CHa(GA30) on high sucrose-induced oxidative stress in *Drosophila melanogaster*. Food and Chemical Toxicology xxx (xxxx) 112620