

CURRICULUM VITAE

- I (a) Name: Aduragbenro Deborah A. Adedapo
(b) Department: Pharmacology and Therapeutics,
(c) Faculty: Basic Medical Sciences
- II (a) First Academic Appointment: Lecturer I, 27 May 2002
(b) Present Post (with date): Reader, 1 Oct. 2017
(c) Date of Last Promotion: 1 Oct. 2017
(d) Date Last Considered: Not applicable
- III University Education (with dates)
University of Ibadan, Ibadan 1983 - 1988
University of Ibadan, Ibadan 2002 – 2004
- IV Academic Qualifications (with dates and granting bodies)
M.B,B.S. (University of Ibadan, Ibadan) July 1988
M.Sc. Epidemiology and Medical Statistics
(University of Ibadan, Ibadan) July 2004
- V Professional Qualifications and Diplomas (with dates)
FWACP (West African Postgraduate Medical College) April 2000
- VI Scholarships, Fellowships and Prizes (with dates) in respect of Undergraduate and Postgraduate work only
SF Kuku's Chairman Prize for the Best Graduating Fellow Internal Medicine (2000)
(West African College of Physicians) Nov. 2002
WHO/Lapdap Proposal development workshop, Entebbe, Uganda. Feb. 2004
AMANET Workshop on proposing and reporting on intervention trials, Arusha, Tanzania. Travel Fellowship July 2004
WHO-TDR and Glaxo Smith Kline (GSK). (Co-Principal Investigator)
Study on the safety of Lapdap versus Coartem in the treatment of

malaria – host factor effect. 2005
 2006 Senate Research Grants. Evaluation of the cardiovascular effect of
Adenantha pavonina seed extract *in-vivo* using animal models. Oct. 2007 Travel Grant
 for IXth World Conference on Clinical Pharmacology
 and Therapeutics, Quebec, Canada Aug. 2008
 Complimentary registration International Conference for
 Pharmacoepidemiology, Chicago Aug. 2010
 Capacity building workshop for Zonal Pharmacovigilance Centre staff.
 National Pharmacovigilance Centre, NAFDAC & National Malaria
 Control Programme. Abuja, Nigeria. April 2012
 DEcIDE (Developing Evidence to Inform Decisions about Effectiveness) methods
 symposium: ‘From efficacy to effectiveness’. Brigham Women’s
 Hospital DEcIDE Methods Centre/Agency Health Research Quality and
 USA Government. Rockville, Maryland, USA. June 2012
 Invitation as a Visiting Scholar to University of British Columbia, Vancouver 2016
 Cardio-metabolic Dialogue-2, Imperial College London’s Translational and
 Innovation Hub in White City November 2018

VII Honours, Distinctions and Membership of Learned

Societies Member, International Society for
 Pharmacoepidemiology Member, West African
 Society for Pharmacology.
 Member, Nigeria Medical Association
 Member, Medical and Dental Council of Nigeria
 Member, National Postgraduate Medical College
 Fellow of West African College of Physicians

VIII Details of Teaching/Work Experience Teaching:

Teaching of pharmacology to dental and medical students (300, 400 and 500 levels)
 Teaching of therapeutics to dental and medical students (600 level)
 Demonstration at practical classes (300, 400 and 500 levels)
 Teaching pharmacology courses to MSc, nursing, pharmacy and physiotherapy students
 PHA 302 – Autonomic Nervous System

PHA 304 – Pharmacology of the hemopoietic system and gastrointestinal tract
PHA 401- Cardiovascular pharmacology
PHA 402 – CNS pharmacology
PHA 403 – Chemotherapy of viral and fungal diseases
PHA 501 –Autacoids, steroidal and non-steroidal analgesics, opioid analgesics
PHA 503- Endocrine pharmacology
PHA 704 – Evaluation of drugs in man
PHA 712 – Organ pharmacology

Co-ordination:

Course coordinator of Pharmacology for the:

Bachelor of Pharmacy program,	2004 - 2007
MBBS/BDS	2008 - 2010
Bachelor of Nursing and Physiotherapy	2010 - 2012
MBBS/BDS	2012 – 2017

MSc project students: (2017 – 2019)

1. Olubunmi Oluwatosin Diya, (2017). Evaluation of hypolipidemic effect of fruits of *Chrysophyllum albidum* on normal and triton-induced hyperlipidemic rats
2. Bukola Victoria Badaki, (2017). Antidiabetic activity of *Chrysophyllum albidum* fruit extract: exploring peroxisome proliferator activated receptor ligands.
3. Winifred Demaki (2018) Evaluation of the changes in serum levels of liver enzymes of children with epilepsy on treatment with sodium valproate
4. Ekwunife Nancy Losie (2018) Antihypertensive effect of mistletoe leaves *Phragmanthera incana* (schum) balle on ng-nitro-l-arginine methyl ester (l-name) induced hypertensive rats
5. Dr. Mobolaji Favour Yomi-Adebanjo (2019) Surveillance of factors that influence adherence and non-adherence to antiretroviral therapy in two tertiary institutions in Ogun State.

Current MSc Students

6. Abifarin Joshua Opeyemi (2020) Blood pressure control and adherence to guidelines for outpatient treatment of hypertension in University College Hospital, Ibadan, Oyo state, Nigeria
7. Ogundare Omolola (2020) Prevalence of malaria in pregnancy: preventive measures in relation to adverse birth outcomes

8. Fajinmi Mariah (2020) Comparative Drug Utilisation pattern in two Rheumatology Clinics in South west Nigeria.
9. Banjo Jesufunmi Adeolu (2020) Evaluation of the synergistic antibiotic activity of garlic (*allium sativum*) and honey (*apis mellifera adansonii*) against pathogenic skin bacteria

Current MPhil/PhD student

10. Jerry Amwe The impact of pharmacogenetics (cytochrome p450 2c9 polymorphism) on sulfonylureas drug utilization and glycemic control amongst patients with diabetes in Ibadan, south west Nigeria

Administrative:

Consultant in charge/ Head, Internal Medicine and Vice-Chair, Academic Committee Adeoyo State Hospital, Ring Road, Ibadan.	2000 - 2002
Consultant Clinical Pharmacologist	2006 to date
Member, Pharmacovigilance Committee, University College Hospital	2006 to date
Acting Head, Clinical Pharmacology, University College Hospital	May/June 2013
Acting Head, Clinical Pharmacology, University College Hospital	Aug. to Oct. 2014
Co-opted member, UCH Committee on Essential Drug List and Formulary	2015 - 2016
Acting Head, Clinical Pharmacology, University College Hospital	July 26-29 2016
Acting Head, Clinical Pharmacology, University College Hospital	Nov. 03-11, 2016
Co-opted member, UI/UCH Ethics Committee	April 2017 to date
Acting Head, Clinical Pharmacology, University College Hospital	Aug. 11-18, 2017
Head, Department of Clinical Pharmacology, University College Hospital	April 2019 to date

Community Service:

University Community: Pharmacovigilance Awareness, Diamond FM	2015
Larger Community: Public lecture on pharmacovigilance, BCOS	2015

May Measurement Month to screen for hypertension at

Idikan health centre, Kola Daisi Foundation,
Eleyele market, Bodija market,

Temidire Alafara community and Heritage of God Church May to June 2017 Hospital
Grand round: Preclinical Trial - animal models of blood pressure evaluation: a prerequisite for
clinical trial (experience and challenges) August 2019

Reviewer, African Health Sciences

African Journal of Medicine and Medical Science

British Microbiology Research Journal

Dose Response Journal

Elsevier Reviewer

International Society for Pharmacoepidemiology (ISPE) Conference of
Pharmacoepidemiology and Therapeutic Risk (ICPE) Abstract Reviewer 2020

Pharmaceutical Biology

Nigerian Journal of Cardiology

Nigerian Journal of Clinical Practice

Examiner, Part II, Clinical Pharmacology Dissertation,

West African College of Physicians

April 2016

Workshop organized

January 13 to 15, 2020

First in the nation workshop on Pharmacoepidemiology and drug utilization research in
clinical practice at University College Hospital, Ibadan, Nigeria. Participants from all over
Nigeria, Resource Persons from South Africa, International Institute of Tropical Agriculture
(IITA) and other Universities in Nigeria.

IX Research

(a) Completed

- Efficacy and Safety of Two Regimens of Chlorpheniramine plus Chloroquine Combination in the Treatment of Acute Uncomplicated Falciparum Malaria in Children
- Acute Phase Proteins in Treated and Newly Diagnosed Pulmonary Tuberculosis Patients
- *In vitro* Antimalarial Activity of Methylene Blue against Field Isolates of *Plasmodium falciparum*
- Host Genetic Factors and Chloroquine Resistance

- Anti-inflammatory Studies on *Adenanthera pavonina* Seeds and *Anacardium occidentale* Stem Bark Extract
- Medicinal Plants Use among Patients Attending a Secondary Health Care Centre
- Evaluation of Cardiovascular, Antimicrobial and Antioxidant Effect of Crude Extracts and Chromatographic Fractions of *Adenanthera pavonina*
- Microalbuminuria in Type 2 Diabetic Patients
- Antioxidant Effects of Micronutrients in Diabetic Patients
- Drug Treatment of Bronchial Asthma and Acid Peptic Disease
- Assessment of Liver Failure in Sickle Cell Disease using Coagulation Studies and Liver enzymes.
- Drug Effect on Ocular Pressure
- Risk Factors for Coronary Heart Disease
- Halofantrine and Fluconazole Drug Interaction
- Drug Utilization and Effect on Blood Pressure Control
- Prescription Quality Indicators and Health-related Quality of Life in Hypertensive Patients
- Pharmacoeconomics of Treatment Options for Hyperthyroidism
- Hypolipidemic and antioxidant Effects of Methanolic Stem Bark Extract *Anacardium occidentale* in triton-x 100 induced hyperlipidemia in rats
- CREOLE Study: Comparison of Three Combination Therapies in Lowering Blood Pressure in Black Africans. I am a co-investigator in this is multicentre, multinational randomized parallel arm superiority clinical trial which seeks to determine the best of three combinations of two “free” antihypertensive drugs for Black African hypertensive patients.
- May Measurement Month for Blood Pressure Screening
- Cohort study on Adverse Drug Reactions in adults admitted to the medical wards of a tertiary hospital in Nigeria: Prevalence, incidence, risk factors and fatality

(b) In progress

1. Antidiabetic Drug Utilization and Glycaemic Control in patients with Diabetes Mellitus: The study which is partly completed with preliminary publications. The pharmacogenetic (cytochrome P450 2C9 polymorphism) aspect of the research is in progress. This is particularly important as genetic polymorphism is one of the factors that influence response to drug in individuals. It is expected that the impact of this on the glycaemic control will be elucidated and this will further help in the concept of personalized medicine.

2. Effects of *Moringa oleifera* on N^o-Nitro-L-Arginine Methyl Ester (L-NAME)-induced hypertension in rabbits: haemodynamic, electrocardiographic and biochemical studies is awaiting publication
3. Effects of peroxisome proliferator activated receptors ligands and some medicinal plants on the renal haemodynamics of glycerol-induced renal failure in rats is a TETFUND project in which I am a co-investigator.
4. Validation study of a clinical heart failure severity scoring scale in children using brain natriuretic peptide and echocardiographic profiles is an on-going multidisciplinary research in which I am involved.
5. Potential health benefits of zinc supplementation for the management of COVID-19
6. Exploring the therapeutic potentials of novel angiotensin-converting enzyme 2 (ACE2) in global COVID-19 pandemic.
7. Novel antihypertensive effect of clofibrate, a peroxisome-activated receptor-alpha agonist and its mechanism of actions in Wistar rats.

(c) Project, Dissertation and Thesis

Adedapo ADA 2000. Comparative Study of the Efficacy and Safety of Two Regimens of Chlorpheniramine plus Chloroquine Combination in the Treatment of Acute Uncomplicated Falciparum Malaria in Children. *Dissertation for the Part II Fellowship examination* (2000).

Adedapo ADA 2004. Morbidity and Mortality Patterns of Medical Admissions at Adeoyo State hospital, Ring road, Ibadan, Oyo State. *Dissertation for the Masters of Science degree in Epidemiology and Medical Statistics* (2004).

X Publications

(a) Books already published Nil

(b) Chapters in Books already published Nil

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

(d) Patents and Copyrights Nil

(e) Articles that have already appeared in learned journals

1. Sowunmi, A., **Adedapo, A.D.A.**, Fehintola, F.A., Sowunmi, C.O., Adedeji, A.A., Falade, A.G. and Oduola, A.M.J. (2000). Comparative Efficacy and Safety of Two Regimens of

- Chlorpheniramine plus Chloroquine in Acute Uncomplicated Falciparum Malaria in Children. *Clinical Drug Investigation* Vol. 20. No.5: 317 – 325. (New Zealand) (Contribution: 45%).
2. Adedapo, K.S., Abbiyesuku, F.M., **Adedapo, A.D.A.** and Osotimehin, B.O. (2001). Microalbuminuria in Controlled Type II Diabetes Mellitus Patients. *African Journal Medicine and medical Science* Vol. 30: 323-326. (Nigeria) (Contribution: 35%).
 3. Olajide, O.A., Aderogba, M.A., **Adedapo, A.D.**, and Makinde, J.M. (2004). Effects of *Anacardium occidentale* Stem Bark Extract on *in vivo* Inflammatory Models. *Journal of Ethnopharmacology* Vol. 95: 139-142. (The Netherlands) (Contribution: 35%).
 4. Olajide, O.A., Echianu, C.A., **Adedapo, A.D.A.**, and Makinde, J.M. (2004). Antiinflammatory Studies on *Adenanthera pavinona* Seed Extract. *Inflammopharmacology* Vol. 12. No. 2: 196-202. (United Kingdom) (Contribution: 35%).
 5. Ohaju-Obodo, J.O., Chukwu, C., Okpapi, J., Egbagba, E., Ige, M.O., Chukwuka, C. and **Adedapo, D.A.** (2005). Comparison of the Efficacy and Safety of Budesonide Turbuhaler Administered Once Daily with Twice the Dose of Beclomethasone Dipropionate using Pressurized Metered Dose Inhaler in Patients with Mild to Moderate Asthma. *West African Journal of Medicine* Vol. 24. No. 3: 190-195. (Nigeria) (Contribution: 25%).
 6. Kotila, T., Adedapo, K., **Adedapo, A.**, Oluwasola, O., Fakunle, E. and Brown, B. (2005). Liver Dysfunction in Steady State Sickle Cell Disease. *Annals of Hepatology* Vol. 4. No. 4: 261-263. (South America Mexico) (Contribution: 35%).
 7. Adedapo, K. S, Arinola, O. G, Ige, O.M., **Adedapo, A.D.A.** and Salimonu, L.S. (2006). Combination of Reduced Levels of Serum Albumin and Alpha-2-Macroglobulin Differentiates Newly Diagnosed Pulmonary Tuberculosis Patients from Patients on Chemotherapy. *African Journal of Biomedical Research* Vol. 9: 169 – 172. (Nigeria) (Contribution: 30%).
 8. Ashaye, A.O., **Adedapo, A.D.A.**, Olusanya, B.A. and Adeoti, C.O. (2007). Conjunctival Hyperraemia and Other Ocular Adverse Effects on Healthy African Subjects after Single Dosing with 0.004% Travoprost. *African Journal of Medicine and medical Science* Vol. 36: 37-42. (Nigeria) (Contribution: 45%).
 9. Ademowo, O.G., Nneji, C.M. and **Adedapo, A.D.A.** (2007). *In vitro* Antimalarial Activity of Methylene Blue against Field Isolates of *Plasmodium falciparum* from Children in Southwest Nigeria. *Indian Journal of Medical Research* Vol. 126: 45-49. (India) (Contribution: 35%).
 10. Otegbayo, J.A., **Adedapo, A.**, Adedapo, K.S., Akere, A., Aje, A.O. and Igetei, R. (2007). Safety, Efficacy and Tolerability of Meprasil in the Treatment of Acid Peptic Disease in Adult

- Nigerians. *African Journal of Biomedical Research* Vol. 10: 229-234. (Nigeria) (Contribution 40%).
11. Orimadegun, B.E., Anetor, J.I., **Adedapo, A.D.**, Taylor, G.O., Onuegbu, J.A. and Olisekodiaka, J.M. (2007). Increases Serum Iron Associated with Coronary Heart Disease among Nigerian Adults. *Pakistan Journal of Medical Sciences* Vol.23. 518-522. (Pakistan) (Contribution: 35%).
 12. **Adedapo, A.D.**, Falade, C.O., Kotila, R.T. and Ademowo, O.G. (2007). Age as a Risk Factor for Thrombocytopenia and Anaemia in Children Treated for Acute Uncomplicated Falciparum Malaria. *Journal of Vector Borne Diseases* Vol. 44: 266-270. (India) (Contribution: 60%).
 13. **Adedapo, A.D.A.**, Ademowo, O.G., Adedapo, K.S., Demissie, K. and Osinubi, O.Y.O. (2009). Potential Toxicity of Chlorpheniramine plus Chloroquine for the Treatment of Childhood Malaria. *Nigerian Journal of Clinical Practice* Vol.12. No. 3: 252-257. (Nigeria) (Contribution: 50%).
 14. **Adedapo, A.D.A.**, Osude, Y.O., Adedapo, A.A., Moody, J.O., Adeagbo, A.S., Olajide, O.A. and Makinde, J.M. (2009). Blood Pressure Lowering Effect of *Adenantha pavonina* Seed Extract on Normotensive Rats. *Records of Natural Products* Vol. 3. No. 2: 82-89 (Turkey) (Contribution: 50%).
 15. Babalola, C.P., Kolade, Y.T., Olaniyi, A.A., **Adedapo, A.** and Scriba, G.K.E. (2009). Effect of Fluconazole on the Pharmacokinetics of Halofantrine in Healthy Volunteers. *Journal of Clinical Pharmacy and Therapeutics* Vol. 34: 1-6. (United States of America) (Contribution: 30%).
 16. Orimadegun, B.E., Anetor, J.I., **Adedapo, A.D.**, Taylor, G.O., Onuegbu, J.A. and Olisekodiaka, J.M. (2011). Interrelationship of Serum Iron and Plasma Lipids in Adult Yorubas of the South-Western Nigeria with Coronary Heart Disease. *Journal of Advancement in Medical and Pharmaceutical Science*. Vol. 5. No. 1: 25-32. (Nigeria) (Contribution: 35%)
 17. Bolajoko, B., Akinosun, O., Anetor, J., Fasanmade, A., **Adedapo, A.**, Iyun, A. and Mossanda, K.S. (2012). Ameliorative Role of Antioxidant Micronutrients: Selenium, Vitamins C and E on Oxidative Stress and Wound Healing in Type 2 Diabetic Patients with Foot Ulcer in Ibadan. *Institute of Integrative Omics and Applied Biotechnology Journal* Vol. 3. No. 4: 1-5. (India) (Contribution: 30%).
 18. **Adedapo, A.D.A.**, Fawole, O., Bamgboye, A.E., Adedapo, K.S., Demmisie, K. and Osinubi O. (2012). Morbidity and Mortality Patterns of Medical Admissions in a Nigerian Secondary

- Health Care Hospital. *African Journal of Medicine and medical Science* Vol. 41: 13-20. (Nigeria) (Contribution: 50%).
19. **Adedapo, A.D.A.**, Sikuade, O.O., Adeleke, A. and Okechukwu, R.U. (2012). Drug Utilization and Blood Pressure Control in a Population where Aantihypertensives are Given Free: Effect of Policy Change. *African Journal of Medicine and medical Science* Vol. 41: 349356. (Nigeria) (Contribution: 60%).
20. **Adedapo, A.D.A.**, Adeagbo, A.S. and Adedapo, A.A. (2012). Use of Botanical Therapies among Patients in Secondary Health Facilities in Southwest Nigeria: Implications for Medical Education? *Recent Progress in Medicinal Plants* Vol. 35 (14):299-310. (United States of America) (Contribution: 70%).
21. Akunne, O. and **Adedapo, A.D.A.** (2013). Comparative Assessment of Prescription Quality among Hypertensive Patients in south-west Nigeria. *International Journal of Pharmacy Pharmacology* Vol. 2. N0. 6: 94-98. (United States of America) (Contribution: 50%).
22. Adedapo, A.A., Babarinsa, O.S., Ogunshe, A.A.O., Oyagbemi, A.A., Omobowale, T.O., **Adedapo, A.D.A.** (2013). Evaluation of some biological activities of the extracts of corn silk and leaves. *Tropical Veterinarian* 31(4):143-160. (Nigeria) (Contribution: 25%)
23. **Adedapo, A.D.A.**, Olayinka, J.N., Abiodun, O.O., Oyagbemi, A.A., Azeez, O.A., Adedapo, A.A., Adeyemi, A.A. and Moody JO (2014). Evaluation of Antimalarial and Antioxidant Activities of the Methanol Seed Extract of *Adenantha pavonina* (Linn) in *Plasmodium berghei* Infected Mice. *Asian Journal of Medical Sciences* Vol. 5. No. 4: 44-51. (Nepal) (Contribution: 50%).
24. Akunne, O. and **Adedapo, A.D.A.** (2014). Drug Prescription/Blood Pressure Control in Patients on Monotherapy Attending a Tertiary Hospital in Nigeria. *International Journal of Basic and Clinical Pharmacology* Vol. 3. No. 6: 983-987. (India) (Contribution: 50%).
25. Oke, O. and **Adedapo, A.D.A.** (2015). Antihypertensive Drug Utilization and Blood Pressure Control in a Nigerian Hypertensive Population. *General Medicine* Vol. 3. No. 2: 169. (United States of America) (Contribution: 50%).
26. Adeyemi, O.A., **Adedapo, A.D.A.**, Adedapo, A.A. and Moody, J.O. (2015). Evaluation of the Antimicrobial Activity of Crude Extracts and Chromatographic Fractions of *Adenantha pavonina* Linn (Leguminosae) Seeds. *African Journal of Biotechnology* 14(12):1067-1073. (Kenya) (Contribution: 40%).

27. **Adedapo, A.D.A.**, Akunne, O. and Adedokun, B. (2015). Comparative Assessment of Determinants of Health-related Quality of Life in Hypertensive Patients and Normal Population in South-West Nigeria. *International Journal of Clinical Pharmacology and Therapeutics* Vol. 53. No. 3: 265-271. (Germany) (Contribution: 70%).
28. Ogunjobi, K.O., Ejeh, J.E., **Adedapo, A.D.** and Adedapo, K.S. (2015). Pharmacoeconomics of Treatment Options for Hyperthyroidism: The Ibadan Experience. *Thyroid Research and Practice* Vol. 12. No. 3: 100-103 (India) (Contribution: 35%).
29. Nneji, C.M., **Adedapo, A.D.A.**, Okorie, P.N. and Ademowo, O.G. (2015). Chloroquine Resistance and Host Genetic Factors among Nigerian Children with Uncomplicated *P. falciparum* Infection. *Archives of Medicine* Vol. 7 No.4:2 (United States of America) (Contribution: 40%).
30. Adedapo, A., Babarinsa, O., Oyagbemi, A., **Adedapo, A. D.A.** and Omobowale, T. (2016). Cardiotoxicity study of the aqueous extract of corn silk in rats. *Macedonian Veterinary Review* Vol. 39. No. 1: i-vii. (Macedonia) (Contribution: 30%).
31. Akunne, O.O., Godman, B., **Adedapo, A.D.**, Truter, I. and Fadare, J. (2016). Statin prescribing among hypertensive patients in south-west Nigeria: findings and implications for the future. *Journal of Comparative Effectiveness Research* Vol. 5. No. 3:281-288. doi: 10.2217/cer.15.65. (United Kingdom) (Contribution: 35%).
32. **Adedapo, A.D.A.**, Adedeji, W.A., Abiola, M.A., Olaremi, J. and Okunola, C. (2016). Antihypertensive drug use and blood pressure control among in-patients with hypertension in a Nigerian Tertiary Healthcare centre. *International Journal of Basic & Clinical Pharmacology* Vol. 5. No. 3: 696-701. (India) (Contribution: 50%).
33. Olusanya, B., **Adedapo, A.D.A.** and Ashaye, A. (2016). The Effect on Intraocular Pressure after Single-dose Administration of Travoprost 0.004% in Healthy African Volunteers. *African Journal of Biomedical Research* Vol. 19: 81-89. (Nigeria) (Contribution: 45%).
34. **Adedapo, A.D.A.**, Onyinye, O.O, Oladapo, O. and Salako, B.L. (2017). Drug utilization and blood pressure control in ambulatory hypertensive patients: focus on those with compelling indications. *International Journal of Clinical Pharmacology and Therapeutics*. Vol. 55. No. 3: 237-245. (Germany) (Contribution: 60%).
35. **Adedapo, A.D.A.** and Amwe, J.V. (2017). Cost effectiveness and prescription pattern of antidiabetic drugs in patients with diabetes attending a tertiary health facility in south west

- Nigeria. *Journal of Pharmacology and Clinical Toxicology*. Vol. 5. No. 3. 1078. (United States of America) (Contribution: 80%).
36. Anyaegbu, O.C., Ajayi, A. and **Adedapo, A.D.A** (2017). Hypolipidemic and Antioxidant Effects of the Methanolic Stem Bark Extract of *Anacardium occidentale* Linn. in Triton-X 100 Induced Hyperlipidemic Rats. *Oriental Pharmacy and Experimental Medicine*. Vol 17, 211-221 DOI 10.1007/s13596-017-0262-1. Published online: 24 July 2017). (Netherlands) (Contribution: 45%).
37. Amwe, J.V, **Adedapo, A.D.A.** and Adeleye, J.A. (2017). Antidiabetic drug utilization and assessment of glycemic control using glycated haemoglobin in patients with diabetes attending a tertiary hospital in south-west Nigeria. *Archives of Basic and Applied Medicine*. Vol. 5: 1-5. (Nigeria) (Contribution: 50%).
38. Abiola, M.A., **Adedapo, A.D.A.** and Adedeji, W.A. (2017). Adverse drug reactions report among hospitalized patients with hypertension in a Nigerian Tertiary Healthcare Centre: a retrospective study. *Medicine Science* Vol. 6 No.2:276-9. (Turkey) (Contribution: 40%).
39. **Adedapo, A.D.A.** (2017). Rising Trend of Cardiovascular Disease among south westrn Nigerian Female Patients. *Nigerian Journal of Cardiology* Vol. 14:71-4 (Nigeria) (Contribution: 100%).
- *40. Adeoye, A.T., Oyagbemi, A.A., **Adedapo, A.D.A.**, Omobowale, T.O., Ayodele, A.E., Adedapo, A.A. (2017) Antidiabetic and antioxidant activities of the methanol leaf extract of *Vernonia amygdalina* in alloxan-induced diabetes in Wistar rats. *JOMPED* Vol. 1 No 1, a30. <http://doi.org/10.4102/jompmed.v1i1.30>. *Journal of Medicinal Plants for Economic Development* 1 (1): 1-12. a30. <http://doi.org/10.4102/jompmed.v1i1.30> (South Africa) (Contribution 30%)
- *41. Adeoye, A.T., Ajibade, T.O., Oyagbemi, A.A., Omobowale, T.O., **Adedapo, A.D.A.**, Ayodele, A.E., Yakubu, M.A., Adedapo, A.A. (2017). The methanol leaf extract of *Vernonia amygdalina* ameliorates cardiomyopathy in alloxan-induced diabetic rats. *Ornamental and Medicinal Plants* Vol. 1 No. 2: 26-48. (China) (Contribution 30%)
- *42. **Adedapo, A.D.A**, Ogunfowora, O. (2017). Effects of Vitamin D combined with Aspirin or Atorvastatin on plasma lipid profiles and lipid peroxidation in triton-X-induced hyperlipidemia in rats. *Journal of Proteomics and Enzymology* Vol. 6:2. Doi:10.4172/2470-1289.1000136. (United Kingdom) (Contribution 80%)
- *43. Adeoye, A.T., Oyagbemi, A.A., Omobowale, T.O., **Adedapo, A.D.A.**, Ayodele, A.E., Yakubu, A.M., Adedapo, A.A. (2018). Nephroprotective effects of *Vernonia amygdalina* in

- alloxan-induced diabetes in rats. *International Journal of Biochemistry Research & Review* Vol. 21 No 1:1-15. *IJBCRR* 2018;21(1):1-15. (United Kingdom) (Contribution 30%)
- *44. Adeoye, A.T., Akinrinde, A.S., Oyagbemi, A.A., Omobowale, O.T., **Adedapo, A.D.A.**, Ayodele, A.E., Yakubu, M.A., Adedapo, A.A. (2018): Phytochemical, analgesic, in vitro antioxidant and GC-MS analysis of *Vernonia amygdalina* leaves. *African Journal of Biomedical Research* Vol. 21 No. 3:303-312. (Nigeria) (Contribution 30%)
- *45. Akunne, O.O. **Adedapo, A.D.A.** (2018) Quality of Statins Prescription in Patients admitted at a tertiary hospital in south-western Nigeria: focus on cost containment. *African Journal of Biomedical Research* Vol. 21 No.3:251-255. (Nigeria) (Contribution 50%)
- *46. **Adedapo, A.D.A.**, Jegede, O.T., Omobowale, T.O., Nabofa, W., Oyagbemi, A.A., Adedapo, A.A. (2018). Safety and efficacy of methanol fraction of *Moringa oleifera* as antihypertensive in L-NAME induced hypertensive rabbits: bedside to bench, implications for bench back to bedside. *Journal of Nutritional Therapeutics* Vol.7 No. 2:51-58. (Canada) (Contribution 50%)
- *47. Osonuga, O.A., **Adedapo, A.D.A.**, Ademowo, O.G. (2018). Artemether and Quinine are safe and effective in the treatment of severe malaria in Nigerian Children. *Archives Basic Applied Medicine* Vol. 6:135-139. (Nigeria) (Contribution 40%)
- *48. Falayi, O.O., Oyagbemi, A.A., Omobowale, T.O., Ayodele, E.A., **Adedapo, A.D.A.**, Yakubu, M.A., Adedapo, A.A. (2018). Nephroprotective properties of the methanol stem extract of *Abrus precatorius* on gentamicin-induced renal damage in rats. *Journal of Complementary and Integrative Medicine* Oct 26. Pii /j/jcim.ahead-of-print/jcim-2017-0176/jcim-20170176.xml. doi: 10. 1515/jcim-2017-0176. [Epub ahead of print] PMID: 30367803. (Germany) (Contribution 30%)
- *49. Ofuegbe, S.O., Oyagbemi, A.A., Fagbohun, O.A., Omobowale, T.O., **Adedapo, A.D.A.**, Ayodele, A.E., Yakubu, M.A., Oguntibeju, O., Adedapo, A.A. (2019). Ameliorative properties of methanol leaf extract of *Momordica charantia* following alloxan-induced cardiotoxicity in rats. *Journal of Herbal Drugs (An International Journal on Medicinal Herbs)* Vol. 10 No. 1:61-72. (Iran) (Contribution 30%)
- *50. Ajayi, A.M., Diya, O.O., **Adedapo, A.D.A.** (2020). Hypolipidemic effect of *Chrysophyllum albidum* peel extract and its underlying antioxidant mechanisms in normal and triton X-100 induced hyperlipidemic rats. *Journal of Dietary Supplement*, 17:4, 365-383. (United States of America) (Contribution 45%) (Epub 2019 Apr 12)

- *51. Michael, O.S., **Adedapo, A.D.A.**, Fehintola, F.A. (2019). Blue Print for Healthcare Security in Nigeria by 2050: ensuring access, promoting adherence and safe use of medicines. *African Journal of Medicine and Medical Science* Vol. 48 (Suppl): 104-109. (Nigeria) (Contribution 45%)
- *52. Adeoye, B.O., Ajibade, T.O., Oyagbemi, A.A., Omobowale, T.O., Yakubu, M.A., **Adedapo, A.D.A.**, Ayodele, A.E., Adedapo, A.A. (2019) Cardioprotective effects and antioxidant status of *Andrographis paniculata* in isoproterenol-induced myocardial infarction in rats. *Journal of Medicinal Plant and Economic Development* Vol. 3 No. 1: a49. <https://doi.org/10.4102/jopmed.v3i1.49>. (South Africa) (Contribution 30%)
- *53. Akunne, O.O., **Adedapo, A.D.A.** (2019). Antihypertensive prescription among black patients without compelling indication: Prescription, effectiveness, quality and cost of medication *BMC Health Services Research* Vol. 19:373. (United Kingdom) (Contribution 50%)
- *54. Adegbite, M.A., Fakunle, G.O., Amwe, J.V., **Adedapo, A.D.A.**, Ologe, M.O., Sotunde, O.F., Alabi, B.A., Iwalewa, E.O., Adesina, S.K. (2019). Antidiabetic activity of *Peristrophe bicalyculata* Leaf Extract in Streptozotocin and Alloxan-induced diabetic rats *Archives of Basic and Applied Medicine* Vol. 7: 95 – 100. (Nigeria) (Contribution 30%)
- *55. **Adedapo, A.D.A.**, Osiyemi, O.O., Adedapo, I.A. (2020). Cardiovascular and antiinfective drugs utilization and expenditure from a community pharmacy in south-western Nigeria. *African Journal of Medicine Medical Science* Vol. 49:307-314. (Nigeria) (Contribution 70%) (Published June 2020, accepted February 2020)
- *56. Okwor, C.J., Adedapo, K.S., Bello, O.O., **Adedapo, A.D.A.**, Okwor, V.C. (2020). The assessment of copeptin and brain natriuretic peptide levels as biomarkers in hypertensive disorders of pregnancy. *West African Journal of Medicine* Vol. 37 No. 3:231-236. (Nigeria) (Contribution 30%) (Published July-Aug 2020, accepted 2019)
- *57. Ajayi, A.M., Badaki, V.B., Ariyo, O.O., Ben-Azu, B., Asejeje, F., **Adedapo, A.D.A.** (2020). *Chrysophyllum albidum* fruit peel extract attenuates nociceptive pain and inflammatory response in rodents by inhibition of pro-inflammatory cytokines and COX-2 expression through suppression of NF- κ B activation. *Nutrition Research* Vol. 77:73-84. (Available online 20 March.2020) (United State of America) (Contribution 25%)
- *58. **Adedapo, A.D.A.**, Demaki, W.E., Lagunju, I.A., (2020) Non-dose dependent changes in liver enzymes levels of children with epilepsy on treatment with sodium valproate. *Dose Response* Vol. 18 No. 2. 1559325820918445. (United States of America) (Contribution 70%) (Published April-June 2020)
- *59. **Adedapo, A.D.A.**, Ajayi, A.M., Ekwunife, N.L., Falayi, O.O., Oyagbemi, A.,

Omobowale, T.O., Adedapo, A.A. (2020). Antihypertensive effect of *Phragmanthera incana* (Schum) Balle on NG-Nitro-L-Arginine Methyl Ester (L-NAME) induced hypertensive rats. *Journal of Ethnopharmacology* Vol. 257:112888. (United Kingdom) (Contribution 50%) (Published July 15, Epub 2020 April 18)

*60. **Adedapo, A.D.A** (2020) Disposition Kinetics of Plasmodium Falciparum during Treatment with Two Regimens of Chlorpheniramine plus Chloroquine Combination in Acute Uncomplicated Malaria in Children. *Journal of Pharmacology and Clinical Toxicology* Vol. 8 No. 1:1141. (United States of America) (Contribution 100%) (Published 27 May 2020)

*61. Ofuegbue, S.O., Oyagbemi, A.A., Omobowale, T.O., **Adedapo, A.D.A.**, Ayodele, A.E., Yakubu, M.A., Oguntibeju, O.O., Adedapo, A.A. (2020) Methanol leaf extract of *Momordica charantia* protects alloxan-induced hepatopathy through modulation of caspase 9 and IL-1 beta signaling pathways in rats. *Veterinary World*. Vol 13(8): 1528 (India) (Contribution 30%) (Accepted for publication July 07, 2020)

*62. Adedapo, K.S.; Nkwazema, O.; **Adedapo, A.D.A.** (2020) Fibroblast Growth Factor23 may complement total PSA in prostate cancer and benign prostatic hyperplasia diagnosis. *Archives of Basic and Applied Medicine* Vol 8: 117-121. (Nigeria) (Contribution 35%) (Accepted for publication June 2020)

63. **Adedapo, A.D.A.**, Adedeji, W.A., Adedapo, I.A., & Adedapo, K.S. (2021). Cohort study on adverse drug reactions on adults admitted to the medical wards of a tertiary in Nigeria: prevalence, incidence, risk factors, and fatality. *British Journal of Clinical Pharmacology*, Vol 87(4): 1878-1889. (United Kingdom) (Contribution 60%)

64. Oyagbemi A.A., Ajibade, T.O., Aboua, Y.G., Gbadamosi, I.T., **Adedapo, A.D.A.**, Aro, A.O., Adejumobi, O.A., Thamahane-Katengua, E., Omobowale, T.O., Falayi, O.O., Oyagbemi, T.O., Ogunpolu, B.S., Hassan, F.O., Ogunmiluyi, I.O., Ola-Davies, O.E., Saba, A.B., Adedapo, A.A., Nkadimeng, S.M., McGaw, L.J., Kayo-Kabongo, P.N., Oguntibeju, O.O., & Yakubu, M.A. (2021) Potential health benefits of zinc supplementation for the management of COVID-19 pandemic. *Journal of Food Biochemistry*, 45:e13604. <http://dx.doi.org/10.1111/jfbc.13604>. (USA) (Contribution 25%)

65. **Adedapo, A. D.**, Akunne, O. O. (2021). Patterns of Antimicrobials Prescribed to Patients Admitted to a Tertiary Care Hospital: A Prescription Quality Audit. *Cureus* 13(6): e15896. doi:10.7759/cureus.15896. PMID: 34322343; PMCID: PMC8309689 (USA) (Contribution 80%)

66. Ofuegbue, S., Oyagbemi, A., Omobowale, T., **Adedapo, A.D.A.**, Ayodele, A., Yakubu, M., Oguntibeju, O. & Adedapo, A. (2019). Methanol leaf extract of *Momordica charantia* protects

alloxan-induced nephropathy through modulation of BCL2/NF- κ B signalling pathways in rats. *Journal of Medicinal Herbs*, 10(4), 167-174. (Iran) (Contribution 30%).

67. Kareem, O.L., **Adedapo, A.D.A.**, Kareem, K.R., & Falade, C.O. (2022). Cardiac electrical changes during co-administration of artemether-lumefantrine and atazanavir/ritonavir in HIVinfected Nigerian Adults. *Journal of Advances in Medicine and Medical Research*, 34(20), 267275. <https://doi.org/10.9734/jammr/2022/v34i2031493>

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

68. **Adedapo, A.D.A.**, Ojji, D.B., Adedapo, K.S., Kolade, Y., & Babalola, C.P. (2022). Comparative cardiac effects of antimalarial drug halofantrine with or without concomitant administration of kolanut or fluconazole in healthy volunteers. *African Health Sciences* Accepted for publication (Uganda) (Contribution 50%)

69. Adesina-Adewole, B., Olusola, F., **Adedapo, A.D.A.**, & Falade, C.O. (2022). Parasite-Based Diagnosis of Malaria in Pregnant Women in a Tertiary Hospital in southwest Nigeria. *Annals of Ibadan Postgraduate Medicine*, (accepted for publication) (Nigeria) (Contribution 35%)

70. Falade, C.O., Orimadegun, A.E., Olusola, F.I., Michael, O.S., Anjorin, O.E., Funwei, R.I., **Adedapo, A.D.**, Olusanya, A.L., Orimadegun, B.E. and Moluolu, O.A., 2022. Efficacy and Safety of Pyronaridine-Artesunate Versus Artemether-Lumefantrine in the Treatment of Acute Uncomplicated Malaria in Children in South-West Nigeria: An open-labelled randomized controlled trial.

(g) Technical Reports and Monographs Nil

XI Major Conferences Attended with Papers Read (in the last 5 years)

1. 31st International conference on pharmacoepidemiology and therapeutic risk management, BostonM.A./ United States of America. 2015.

Paper titled: Akunne, O.O. and Adedapo, A.D.A. Antihypertensive Drug Use and Blood Pressure Control in Nigeria

2. West African College of Physicians' 38th/39th Annual General and Scientific Meeting, Abuja, Nigeria. 2015.

Paper titled: Increasing number of antihypertensives and poor blood pressure control in hypertensive patients with compelling indications. Adedapo, A.D.A., Akunne, O.O., Oladapo, O.O. and Salako, B.L.

3. West African College of Physicians 2017 Update Course in Internal Medicine (Cardiology and Endocrinology). Calabar, Nigeria. 2017.
Paper titled: Dyslipidemia: Understanding Cholesterol and the role of non-statins therapies in the management of atherosclerotic cardiovascular disease risk. Adedapo, A.D.A.
4. 7th African MIM Conference, Dakar, Senegal. 2018. April 16 -20, 2018. Papers presented: Adedapo ADA, Osiyemi M, Adedapo IA. Antimalarial drug utilization and expenditure from a community pharmacy in south-western Nigeria.
Adedapo ADA. Antimalarial Drug Utilization and parasite density amongst patients requesting blood film for malaria parasite at the Clinical Pharmacology unit in a Nigerian Teaching Hospital
5. 6th Unibadan Conference of Biomedical Research. Faculty of Basic Medical Sciences, College of Medicine, University of Ibadan Venue: Conference centre, University of Ibadan, Ibadan, Nigeria. July 10 -14, 2018. Paper titled: Akinyode, A. O.; Adedapo, A.D.A.; Falade, C.O. Prescription pattern and cost consideration of antihypertensive drugs at the Medical Out Patient Clinic of a tertiary hospital in Ibadan, Southwest Nigeria.
6. West African College of Physicians (WACP) 42nd Annual General and Scientific Meeting (AGSM) Kaduna 2018. Theme: Enhancing Performance of Healthcare system in Nigeria. 17th - 19th July 2018. Paper presented: Adedapo, A.D.A.; Okwor, C.J.; Adedapo, K.S.; Bello, O.O. Assessment of copeptin and brain natriuretic peptide levels as biomarkers in hypertensive disorders of pregnancy.
7. Experimental Biology 2019. Orange County Convention Centre Orlando, Florida, USA Paper titled: Nephroprotective properties of the methanol stem extract of *Abrus precatorius* on gentamicin-induced renal damage through suppression of NF- κ B/CRP and enhancement of Bcl-2 signalling pathways. Falayi, F.; Oyagbemi, A.A.; Omobowale, O.; Ayodele, A.; **Adedapo, A.D.A.**; Yakubu, M.; Adedapo, A.. April 6-9, 2019.
8. 35th International Conference on Pharmacoepidemiology and Risk Management (2019 ICPE). August 24-28, 2019 Pennsylvania Convention Center Philadelphia, Pennsylvania, USA. Papers titled: Akunne OO, Adedapo ADA. Adedapo KS. Antihypertensive Drug combinations to Optimize Blood Pressure Control.

Adedapo, A.D.A; Adedeji, W.A.; Adedapo, I.A.; Adedapo, K.S. Prospective Cohort Study of Adverse Drug Reactions on All Admissions to Internal Medicine: prevalence, incidence and risk factors.

XII Ten Best Publications that Reflect the Totality of my Contributions to Scholarship

1. **Adedapo, A.D.A.**, Fawole, O., Bamgboye, A.E., Adedapo, K.S., Demmisie, K. and Osinubi O. (2012). Morbidity and Mortality Patterns of Medical Admissions in a Nigerian Secondary Health Care Hospital., *African Journal Medicine and Medical Sciences* Vol. 41.0. pp 13-20 (Nigeria) (Contribution: 50%)
2. **Adedapo, A.D.A.**, Ademowo, O.G., Adedapo, K.S., Demissie, K. and Osinubi, O.Y.O. (2009). Potential Toxicity of Chlorpheniramine plus Chloroquine for the Treatment of Childhood Malaria., *Nigerian Journal of Clinical Practice* Vol. 12.3. pp 252-257 (Nigeria) (Contribution: 50%)
3. **Adedapo, A.D.A.**, Sikuade, O.O., Adeleke, A. and Okechukwu, R.U. (2012). Drug Utilization and Blood Pressure Control in a Population where Aantihypertensives are Given Free: Effect of Policy Change., *African Journal Medicine and Medical Sciences* Vol. 41.0. pp 349-356 (Nigeria) (Contribution: 60%)
4. **Adedapo, A.D.A.**, Akunne, O. and Adedokun, B (2015). Comparative Assessment of Determinants of Health-related Quality of Life in Hypertensive Patients and Normal Population in South-West Nigeria., *International Journal of Clinical Pharmacology and Therapeutics* Vol. 53.3. pp 265-271 (Germany) (Contribution: 70%)
5. **Adedapo, A.D.A.**, Onyinye, O.O., Oladapo, O. and Salako, B.L. (2017). Drug utilization and blood pressure control in ambulatory hypertensive patients: focus on those with compelling indications, *International Journal of Clinical Pharmacology and Therapeutics* Vol. 55.3. pp 237-245 (Germany) (Contribution: 60%)
6. **Adedapo, A.D.A.**, Osude, Y.O., Adedapo, A.A., Moody, J.O., Adeagbo, A.S., Olajide, O.A. and Makinde, J.M. (2009). Blood Pressure Lowering Effect of *Adenanthera pavonina* Seed Extract on Normotensive Rats., *Records of Natural Products* Vol. 3.2. pp 82-89 (Turkey) (Contribution: 50%)
7. **Adedapo, A.D.A.** (2017). Rising Trend of Cardiovascular Disease among south westrn Nigerian Female Patients, *Nigerian Journal of Cardiology* Vol. 14.0. pp 71-74 (Nigeria) (Contribution: 100%)
8. Akunne, O.O., **Adedapo, A.D.A.** (2019). Antihypertensive prescription among black patients without compelling indication: Prescription, effectiveness, quality and cost of medication *BMC Health Services Research* Vol. 19:373. (United Kingdom) (Contribution: 50%)
9. **Adedapo, A.D.A.**, Osiyemi, O.O., Adedapo, I.A. (2020). Cardiovascular and anti-infective drugs utilization and expenditure from a community pharmacy in south-western Nigeria. *African Journal of Medicine and Medical Science* Vol. 49:307-314. (Nigeria) (Contribution: 70%)
10. **Adedapo, A.D.A.**, Ajayi, A.M., Ekwunife, N.L., Falayi, O.O., Oyagbemi, A., Omobowale, T.O., Adedapo, A.A. (2020). Antihypertensive effect of *Phragmanthera incana* (Schum) Balle on NGNitro-L-Arginine Methyl Ester (L-NAME) induced hypertensive rats. *Journal of Ethnopharmacology*

Research Focus:

Pharmacoepidemiology: drug utilization studies and cardiovascular pharmacology

Thrombocytopenia, meaning low platelet count and anaemia in children treated with acute uncomplicated malaria were twin observations which correlated with the type of antimalarial drug especially in children under 5 years of age. Leucocytosis was more frequently seen than leucopenia. Thrombocytopenia was the most common haematological finding. Platelet count showed no correlation with temperature, parasite density and leucocyte count. We reported the potential toxicity of chlorpheniramine plus chloroquine on respiration during treatment of malaria in children. While chlorpheniramine was a possible chloroquine resistance reversal agent, this potential toxicity became a drawback. Drowsiness occurred in more children exposed to a higher dose of chlorpheniramine with no corresponding therapeutic advantage. My epidemiology inquest into disease pattern at the secondary health care facility buttressed the "double disease burden" which was becoming prominent in the developing world. Cardiovascular diseases and infections were prevalent and we found a huge utilization and expenditure on cardiovascular and anti-infective drugs from a community pharmacy though anti-infective drugs were more utilized suggesting that infection could be a public good indeed. However, the observed increase in non-communicable diseases especially cardiovascular attributable to changing demographic underscores the need for periodic monitoring. Stroke was the leading cause of death and age specific mortality was highest at 65 years of age and above. This among others paved my research interest in cardiovascular pharmacology and pharmacoepidemiology. Further on my epidemiology inquest I found and reported cardiovascular disease to be on a rising trend especially among female patients. Having developed a special interest in drug utilization in cardiovascular diseases especially hypertension, a landmark research debunking the previously acclaimed poor blood pressure control shed more light on the need and the role of medicine adherence in spite of free drugs. Our research effort revealed a paradigm shift to an unprecedented level of blood pressure control which predicated on health education, counseling and availability of health personnel to interact with patients culminating in improved adherence to medication by patients. In addition, introduction of a policy change involving co-payment by patients rather than free drugs contributed to the unprecedented high level of blood pressure control within the international community studied. Physicians managing patients with hypertension should pay attention not only to adequate dosing and appropriate drugs and drug combinations but also to health education and patient counseling. Health-related quality of life (HRQoL) of patients with hypertension and non-hypertensive controls in south-west Nigeria using the WHO-QoL-BREF questionnaire revealed that hypertensive patients had poorer HRQoL compared with the normal individuals, but blood pressure control had no effect on this. We found that the prescription of antihypertensive drugs to patients did not directly translate to an improved health-related quality of life. Further study, showed that hypertensive heart disease was the most common compelling indication. Angiotensin-converting enzyme inhibitors were most frequently prescribed. Hypertensive patients with compelling indications had very poor blood pressure control with significant positive correlation with number of antihypertensive drugs. Increasing number of antihypertensive drugs may suggest poor blood pressure control. However, this may not be unrelated to pill-burden and cost of drugs, especially with out-of-pocket payment. Prescription effectiveness, quality and cost was assessed among hypertensive patients without compelling indications underscores my mentorship role. Cardiovascular pharmacology interest is the reason for exploring the effect of medicinal plants on the blood pressure of rats. *Adenantha pavonina* seed extract was found to lower blood pressure in normotensive rats while *Phragmanthera incana* lowered blood pressure in L-NAME induced hypertension in rabbits.