

CURRICULUM VITAE

01. PERSONAL

- (i) Name in Full: ADENUBI, Olubukola Tolulope
- (ii) Date of Birth: March 29, 1976
- (iii) Place of Birth: Ikeja, Lagos State
- (iv) Age: 45 years
- (v) Sex: Female
- (vi) Marital Status: Married
- (vii) Nationality: Nigerian
- (viii) Town and State of Origin: Irele, Ondo State
- (ix) Contact Address: Department of Veterinary Pharmacology and Toxicology, College of Veterinary Medicine, Federal University of Agriculture, Abeokuta, Ogun State.
- (x) Phone Number: +2348025409691
- (xi) E-mail Address: bukiadenubi@gmail.com; adenubiot@funaab.edu.ng
- (xii) Present Post: Senior Lecturer (CONUASS 05 Step 03)

02. EDUCATIONAL BACKGROUND

(i) Educational Institutions Attended (with dates)

- (a) University of Pretoria, South Africa 2014 - 2017
- (b) University of Ibadan, Ibadan, Oyo State 2006 - 2009
- (c) Ahmadu Bello University, Zaria, Kaduna State 1992 - 2000
- (d) Command Secondary School, Ipaja, Lagos State 1986 - 1992

(ii) Academic and Professional Qualifications (with dates)

- (a) Doctor of Philosophy (PhD) 2017
- (b) Master of Science (MSc) 2009

- (c) Doctor of Veterinary Medicine (DVM) 2000
- (d) Senior School Leaving Certificate 1992

(iii) Prizes, Honours, Scholarship, National and International Recognition

- (1) Lecturer of the year Award, Association of Veterinary Medical Students
Federal University of Agriculture, Abeokuta 2021
- (2) TETFund Intervention in Research Project Grant 2019-2020
- (3) Award of Excellence, Department of Veterinary Physiology and Pharmacology
Federal University of Agriculture, Abeokuta 2017
- (4) University of Pretoria Postgraduate Students Association Merit
Award, Best student (PhD) in the Department of Paraclinical Sciences 2016
- (5) L'Oreal-UNESCO for Women in Science Award 2015
- (6) National Research Foundation Travel Scholarship 2015
- (7) World Association for the Advancement of Veterinary Parasitology
African Foundation Travel Scholarship 2015
- (8) Schlumberger Faculty for the Future Award 2014
- (9) Best Presenter of Clinical Conference, Faculty of Veterinary Medicine,
Ahmadu Bello University, Zaria 2000
- (10) Best Graduating Student, Faculty of Veterinary Medicine,
Ahmadu Bello University, Zaria 2000
- (11) Arthur Anderson Academic Award, Ahmadu Bello University, Zaria 1997
- (12) Best Student in Veterinary Pharmacology, Faculty of Veterinary Medicine
Ahmadu Bello University, Zaria 1996

03. WORK EXPERIENCE

(i) University Teaching

- (a) Senior Lecturer, Department of Veterinary Pharmacology and
Toxicology, College of Veterinary Medicine,
Federal University of Agriculture, Abeokuta 2017 to Date
- (b) Lecturer I, Department of Veterinary Physiology and
Pharmacology, College of Veterinary Medicine,
Federal University of Agriculture, Abeokuta 2011 to 2017
- (c) Lecturer II, Department of Veterinary Physiology and 2007 to 2011

(d) Assistant lecturer, Department of Veterinary Physiology and
Pharmacology, College of Veterinary Medicine,
Federal University of Agriculture, Abeokuta

2005 to 2007

Undergraduate Teaching (in the last five years)

2016/2017 Session

Courses	Course Title	Course Units	No. of Students	Contact Hours/ Week	No. of Lecturers	Individual Contribution (%)
VPC 302	Introduction to Veterinary Pharmacology	2	29	2	3	33
VPC 401	Systemic Drugs and their Actions	3	30	5	3	33
VPC 402	Veterinary Pharmacology	2	30	5	3	33
VPC 404	Veterinary Toxicology	3	30	5	3	33
VCC 501	Pharmacy Clinics I	5	30	25	3	33
VCC 502	Pharmacy Clinics II	5	30	25	3	33
VCC 601	Pharmacy Clinics III	10	38	25	3	33
VCC 602	Pharmacy Clinics IV	10	38	25	3	33

2017/2018 Session

Courses	Course Title	Course Units	No. of Students	Contact Hours/ Week	No. of Lecturers	Individual Contribution (%)
VPC 302	Introduction to Veterinary Pharmacology	2	35	2	3	33
VPC 401	Systemic Drugs and their Actions	3	29	3	3	33
VPC 402	Veterinary Chemotherapy	2	29	5	3	33
VPC 404	Veterinary Toxicology	3	29	5	3	33
VCC 501	Pharmacy Clinics I	5	30	25	3	33
VCC 502	Pharmacy Clinics II	5	30	25	3	33
VCC 601	Pharmacy Clinics III	10	30	25	3	33
VCC 602	Pharmacy Clinics IV	10	30	25	3	33

2018/2019 Session

Courses	Course Title	Course Units	No. of Students	Contact Hours/ Week	No. of Lecturers	Individual Contribution (%)
VPC 302	Introduction to Veterinary Pharmacology	2	24	2	5	20
VPC 401	Systemic Drugs and their Actions	3	35	5	5	20
VPC 402	Veterinary Chemotherapy	2	35	5	5	20
VPC 404	Veterinary Toxicology	2	35	5	5	20
VPC 502	Veterinary Pharmacy	2	29	5	5	20

VCC 501	Pharmacy Clinics I	5	29	25	5	20
VCC 502	Pharmacy Clinics II	5	29	25	5	20
VCC 601	Pharmacy Clinics III	10	30	25	5	20
VCC 602	Pharmacy Clinics IV	10	30	25	5	20

Postgraduate Teaching (in the last five years)

2017/2018 Session

Courses	Course Title	Course Units	No. of Students	Contact Hours/Week	No. of Lecturers	Individual Contribution (%)
VPC 813	Research Grant Writing and Article Publication	2	1	2	1	100
VPC 809	Ethno Pharmacology	3	1	3	1	100
VPC 812	Special Problems in Pharmacology	2	1	2	1	100
VPC 808	Chemotherapy	2	1	2	2	50

2018/2019 Session

Courses	Course Title	Course Units	No. of Students	Contact Hours/Week	No. of Lecturers	Individual Contribution (%)
VPC 801	Pharmacodynamics and Pharmacokinetics	3	1	3	2	50
VPC 811	Experimental Techniques	2	1	2	2	50
VPC 813	Research Grant Writing and Article Publication	2	1	2	1	100
VPC 809	Ethno Pharmacology	3	1	3	1	100
VPC 812	Special Problems in Pharmacology	2	1	2	1	100
VPC 802	Gastrointestinal Pharmacology	3	1	3	2	50
VPC 808	Chemotherapy	2	1	2	2	50

(ii) Professional Experience

- (a) Consultant, Veterinary Teaching Hospital, Federal University of Agriculture, Abeokuta 2018 to Date
- (b) Registrar, Veterinary Teaching Hospital, Federal University of Agriculture, Abeokuta 2005 to 2018
- (c) Veterinary Officer, Truthmiles Limited, Ikeja, Lagos State 2004 to 2005
- (d) Clinician, City Veterinary Centre, Abuja 2002 to 2004
- (e) Veterinary Officer, Department of Veterinary Services, Ministry of Agriculture and Natural Resources, Calabar, Cross River State (NYSC) 2001 to 2002

(iii) Administrative Experience

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| (a) Ag. Head, Department of Veterinary Pharmacology and Toxicology,
College of Veterinary Medicine, Federal University of Agriculture, Abeokuta | 2020 to Date |
| (b) Chairperson, Space Allocation Committee, College of Veterinary Medicine,
Federal University of Agriculture, Abeokuta | 2020 to Date |
| (c) Coordinator, Postgraduate Studies, Department of Veterinary Physiology
and Pharmacology, College of Veterinary Medicine,
Federal University of Agriculture, Abeokuta | 2017 to 2020 |
| (d) Coordinator, Pharmacology Unit, Department of Veterinary Physiology
and Pharmacology, College of Veterinary Medicine,
Federal University of Agriculture, Abeokuta | 2017 to 2019 |
| (e) Chairperson, Welfare/Social Committee, College of Veterinary Medicine,
Federal University of Agriculture, Abeokuta | 2008 to 2010 |

(iv) Membership of Committees

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| (a) College Representative to the College of Animal Science and Livestock
Production Board, Federal University of Agriculture, Abeokuta | 2019 to Date |
| (b) Member, Equipment Committee, College of Veterinary Medicine,
Federal University of Agriculture, Abeokuta | 2019 to Date |
| (c) College Representative to the College of Agricultural Management and
Rural Development Board, Federal University of Agriculture, Abeokuta | 2017 to 2019 |

04. SPECIAL ASSIGNMENTS/COMMUNITY SERVICE

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| (i) Temporary Adviser, Vector Control Action Group,
World Health Organization (WHO) | 2021 to Date |
| (ii) Vice President, Parent Teachers Association, Ogun International
Montessori Nursery and Primary School, Idi-Aba, Ogun State | 2019 to Date |
| (iii) Treasurer, Parent Teachers Association, Ogun International
Montessori Nursery and Primary School, Idi-Aba, Ogun State | 2017 to 2019 |
| (iv) Collation officer, Independent National Electoral Commission
Presidential and Governorship elections | 2019 |
| (v) Volunteer Lecturer in Introductory Veterinary Diagnostics 300,
University of Pretoria | 2015 to 2016 |
| (vi) Volunteer, Children Evangelism Ministry | 2000 to Date |

05. TRAINING PROGRAMMES ATTENDED (with dates)

- (i) University Ethics, Pedagogy and Examination Matters, Academic retreat organized by Federal University of Agriculture, Abeokuta 2021
- (ii) Professional Continuing Education with the theme Optimizing Extant Opportunities in the Current Global Health Crisis, organized by the Veterinary Council of Nigeria 2021
- (iii) Professional Continuing Education with the theme Reinvigorating the Veterinary Profession in Nigeria (Finding new paths for Veterinarians and Paraveterinarians), organized by the Veterinary Council of Nigeria 2020
- (iv) 6th X-WOW Lecture Without Borders: Veterinary Public Health and Zoonoses, organized by the The Royal College of Pathologists, United Kingdom 2020
- (v) Training Workshop on Academic Freedom and Ethics, organized by the Academic Staff Union of Universities, Federal University of Agriculture, Abeokuta 2020
- (vi) Mentoring Workshop for Nigerian Women in Science, Technology, Engineering and Mathematics, organized by the Federal University of Agriculture, Abeokuta 2019
- (vii) Advanced Digital Appreciation Programme for Tertiary, Institutions Statistical Package for Social Sciences, organized by the Federal University of Agriculture, Abeokuta 2019
- (viii) Training Workshop on Research Grants Sourcing and Proposal Writing, organized by the Directorate of Grants Management, Federal University of Agriculture, Abeokuta 2018
- (ix) SPSS Statistics Software Training, organized by the University of Pretoria, Onderstepoort campus, South Africa 2017
- (x) Excel Advanced Formula and Functions, organized by the University of Pretoria, Onderstepoort campus, South Africa 2016
- (xi) Word Advanced Editing, organized by the University of Pretoria, Onderstepoort campus, South Africa 2016
- (xii) Data Analysis Training, organized by the Department of Tropical Diseases, University of Pretoria, Onderstepoort campus, South Africa 2015
- (xiii) Pipetting Training organized by Eppendorf, University of Pretoria, Onderstepoort campus, South Africa 2015
- (xiv) Research Methodology, organized by the Department of Tropical Diseases, University of Pretoria, Onderstepoort campus, South Africa 2014

- (xv) Statistical Analysis Training Workshop organized by the Institute of Human Resources Development, Federal University of Agriculture, Abeokuta 2013
- (xvi) Training Workshop for early career scientists, organized by the European Union-African, Caribbean and the Pacific Group of States 2011
- (xvii) Training Workshop on Standard Operating Procedures for Semen Analysis organized by the Centre for Research in Reproductive Health, Sagamu, Ogun State 2011
- (xviii) Training Workshop on Participatory Rural Appraisal organized by the Institute of Food Security, Environmental Resources and Agricultural Research, Federal University of Agriculture, Abeokuta 2009
- (xix) Continuing Education Seminar on The Veterinarian and Disease Information System in the 21st Century organized by the Veterinary Council of Nigeria 2009

06. COMMENDATION

- Letter from Leader of program, Phytomedicine Unit, University of Pretoria, South Africa 2017

07. MEMBERSHIP OF PROFESSIONAL BODIES

- (i) Member, Nigerian Veterinary Medical Association (NVMA)
- (ii) Member, Society of Toxicology (SOT), United States of America
- (iii) Member, Society for Medicinal Plant and Natural Product Research, Germany
- (iv) Assistant Secretary General, Forum of Nigerian Toxicologists (FONTOX)

08. RESEARCH INTEREST OR COMMISSIONED PROJECTS

(i) Completed

- (a) Prevalence of Helminthosis and Anthelmintic Usage Pattern in Dogs Presented to the Veterinary Teaching Hospital, Federal University of Agriculture, Abeokuta, Ogun State, Southwest Nigeria
- (b) Evaluation of *Spondias mombin* L. in dogs.
- (c) The Willingness to take the COVID-19 Vaccine Among Veterinarians in Nigeria: Proposed Interventions to Facilitate Uptake.
- (d) Socio-demographic Predictors of COVID-19 Vaccine Acceptance Among Veterinary Professionals in Nigeria: A National Survey.

(ii) In Progress

- (e) Acaricidal, Pulicidal and Repellent Properties of Some Pesticidal Plants against the Brown Dog Tick, *Rhipicephalus sanguineus* and the Cat Flea *Ctenocephalides felis*.
- (f) Review of Lichens and Higher Plants as Novel Sources of Drugs.

09. LIST OF PUBLICATIONS

(i) Thesis and Dissertation

Adenubi, O.T. (2017): Acaricidal Efficacy of Crude Extracts and Isolated Flavonoids from *Calpurnia aurea* subsp. *aurea* against *Rhipicephalus turanicus*. Submitted to the Department of Paraclinical Sciences, Faculty of Veterinary Sciences, University of Pretoria, South Africa (PhD Thesis).

Adenubi, O.T. (2009): Effect of Aqueous Extract of *Boerhavia diffusa* Linn. on Semen and Testicular Morphology of Male Wistar Rats. Submitted to the Department of Pharmacology and Therapeutics, Faculty of Basic Medical Sciences, College of Medicine, University of Ibadan (MSc Dissertation).

Adenubi, O.T. (2000): Electrophoretic Haemoglobin Pattern in Apparently Healthy Normal and Diseased Dogs and Cats in Zaria. Submitted to the Department of Veterinary Medicine, Faculty of Veterinary Medicine, Ahmadu Bello University, Zaria (DVM Project)

(ii) Journal articles in print

(1) ^f**Adenubi, O.T.**, Abolaji, A.O., Salihu, T., Akande, F.A., & Lawal, H. (2021): Chemical Composition and Acaricidal Activity of *Eucalyptus globulus* Essential Oil against the Vector of Tropical Bovine Piroplasmiasis, *Rhipicephalus (Boophilus) annulatus*. *Experimental and Applied Acarology* 83(2): 301-312.

(2) ^fAdebowale, O.O., **Adenubi, O.T.**, Adesokan, H.K., Oloye, A.A., Bankole, N.O., Fadipe, O.E., Ayo-Ajayi, P.O., & Akinloye, A.K. (2021): SARS-CoV-2 (COVID-19 Pandemic) in Nigeria: Multi-institutional Survey of Knowledge, Practices and Perception amongst Undergraduate Veterinary Medical Students. *PLoS One* 16(3): e0248189.2.

(3) ^f**Adenubi, O.T.**, Adebowale, O.O., Oloye, A.A., Bankole N.O.A., Ayo-Ajayi, P.O., & Akinloye, A.K. (2021); University Community-based Survey on the Knowledge, Attitude and Perception about COVID-19 Pandemic: The Federal University of Agriculture, Abeokuta, Nigeria as a Case Study. *Journal of Preventive Medicine and Hygiene* 62: ES84-ES94.

(4) Olunlade, D.B., Ajibade, R.A., Adeleke, K.O., Salihu, T., & **Adenubi, O.T.** (2021): Plants used by the indigenous people of Oḍedá, Ogun State, Nigeria for different ailments: ethnobotanical reports and pharmacological evidence. *Journal of Natural Sciences, Engineering and Technology*. Published by Federal University of Agriculture, Abeokuta, Nigeria. Acceptance letter dated September 28, 2021.

(5) Oyewusi, A.J., Eniseyin, F.O., Abolaji, A.O., Salihu T., Akande, F.A., & **Adenubi, O.T.** (2021): *In-vitro* Acaricidal Activity of Aqueous and Methanol Extracts of Red Cultivar *Allium cepa* L. on Engorged Female *Rhipicephalus (Boophilus) annulatus* from Naturally Infested Cattle. *Savannah Veterinary Journal*. Acceptance letter dated July 27, 2021.

- (6) **Adenubi, O.T.**, Adebowale, O.O, Oloye, A.A., Bankole N.O.A., Fadipe, O.E., Adesokan, K.H., Ayo-Ajayi, P.O., & Akinloye, A.K. (2020): Level of Knowledge, Attitude and Perception about COVID-19 Pandemic and Infection Control: A Cross-sectional Study among Veterinarians in Nigeria. doi: 10.20944/preprints202007.0837.v1
- (7) ^fAdebayo, O.O., Akande, F.A., & **Adenubi, O.T.** (2020): Canine Dirofilariosis: A Case Report and Review of the Literature. *Folia Veterinaria* 64(3): 75-81.
- (8) ^fSalihu, T., **Adenubi, O.T.**, Mbaoji, C.O., Ojogbo I.A., & Abdullahi, M. (2020): A Review of Ethnoveterinary Botanicals used for Tick Control in Wukari, Taraba State, North Eastern Nigeria. *Egyptian Journal of Veterinary Sciences* 51(3):421-437.
- (9) ^fAkande, F.A., Garba, A.O., **Adenubi, O.T.** (2020): *In vitro* Analysis of the Efficacy of Selected Commercial Acaricides on the Cattle Tick *Rhipicephalus (Boophilus) annulatus* (Acari: Ixodidae). *Egyptian Journal of Veterinary Sciences* 51(2): 153-161. Published for the Arab Veterinary Medical Association by the National Information and Documentation Centre, Cairo, Egypt. Available online at <https://doi.org/10.21608/ejvs.2020.21560.1144>
- (10) **Adenubi, O.T.** & Akande, F.A. (2019): Ethnoveterinary Plants and Practices used for the Control of Internal and External Parasites of Domestic Animals in Ogun State, Southwest Nigeria. *Journal of Organic Agriculture and Environment* 7(1):29-40. Published by the Organic Agriculture Project in Tertiary Institutions in Nigeria. Available online at <http://oaptin.org/index.php/JOAEN/article/view/48/32>
- (11) ^fFouche, G., **Adenubi, O.T.**, Leboho, T., McGaw, L.J., Naidoo, V., Wellington, K.W. & Eloff, J.N. (2019): Acaricidal Activity of the Aqueous and Hydroethanolic Extracts of 15 South African Plants against *Rhipicephalus turanicus* and their Toxicity on Human Liver and Kidney Cells. *Onderstepoort Journal of Veterinary Research* 86(1): 1-7. Published by the Agricultural Research Council, Onderstepoort Veterinary Institute and the University of Pretoria, South Africa. Available online at <https://doi.org/10.4102/ojvr.v86.1.1665>
- (12) ^fOghenechuko, M.O., Olukunle J.O, **Adenubi, O.T.**, Ajayi, O.L., Mshelbwala, F.M., Abdurraheem, I., Apantaku, J.T., Takeet, O.V.A., Omoniyi, T.I. & Ezeri, G.N. (2019): Lethal Doses and Histopathological Changes in the Liver and Kidney of Healthy *Clarias gariepinus* Sub-adult Exposed to Red *Allium cepa* Linn. Bulb. *Pertanika Journal of Tropical Agricultural Science* 42 (3): 1081-1096. Published by the Universiti Putra Malaysia Press. Available online at <http://www.pertanika.upm.edu.my/>
- (13) **Adenubi, O.T.**, Olunlade, D.B., Ajibade, R.A. & Adeleke, K.O. (2019): Ethnoveterinary Medicine of the Indigenous People of Odeda Local Government Area, Ogun State, Southwest Nigeria. *International Journal of Organic Agricultural Research and Development* 15(1):70-98. Published by the Organic Agriculture Practitioners of Nigeria. Available online at <http://www.ijoardjournal.org/index.php/ijoardjournal/article/view/154>
- (14) Olukunle J.O, Jacobs, E.B., Adeleye, E.O., Oyewusi, J.A., **Adenubi, O.T.** & Durotoye, L.A. (2019): Effects of Aqueous Leaf Extract of *Acalypha wilkesiana* on Semen Morphology and Characteristics in Male Wistar Albino Rats. *Nigerian Journal of Animal Production* 46 (2): 47-54. Published by the Nigerian Society for Animal Production. Available online at <https://doi.org/10.51791/njap.v46i2.8>
- (15) Oladipo, T.A., Adeleye, O.E., Olorode J., Adebisi, A.A., Omobowale, O.O., Adeoye, Y.D., **Adenubi, O.T.**, Oladipo, O.O. & Olukunle, J.O. (2019): Diabetogenic Potential of Dexamethasone and Effects of *Annona muricata* Methanolic Bark Extract as Post Exposure Therapy in Albino Rats. *Nigerian Journal of Animal Production* 46 (2): 72-79. Published by

the Nigerian Society for Animal Production. Available online at <https://doi.org/10.51791/njap.v46i2.13>

(16) ^f**Adenubi, O.T.**, Ahmed, A.S., Fasina, F.O., McGaw, L.J., Eloff, J.N. & Naidoo, V. (2018): Pesticidal Plants as a Possible Alternative to Synthetic Acaricides in Tick Control: A systematic review and meta-analysis. *Industrial Crops and Products* 123(1):779-806. Published by Elsevier Science Publishers, Netherlands. Available online at <https://doi.org/10.1016/j.indcrop.2018.06.075>

(17) ^fSalihu, T., Olukunle, J.O., **Adenubi, O.T.**, Mbaoji, C. & Zarma, M.H. (2018): Ethnomedicinal Plant Species Commonly Used to Manage Arthritis in North-West Nigeria. *South African Journal of Botany* 118: 33-43. Published for the South African Association of Botanists by Elsevier Science Publishers, Netherlands. Available online at <https://doi.org/10.1016/j.sajb.2018.06.004>

(18) ^f**Adenubi, O.T.**, Abdalla, M.A., Ahmed, A.S., Njoya, E.M., McGaw, L.J., Eloff, J.N. & Naidoo, V. (2018): Isolation and Characterization of Two Acaricidal Compounds from *Calpurnia aurea* subsp. *aurea* (Fabaceae) Leaf Extract. *Experimental and Applied Acarology* 75(1): 1-10. Published by Springer Nature, Switzerland. Available online at <https://doi.org/10.1007/s10493-018-0269-4>

(19) ^f**Adenubi, O.T.**, McGaw, L.J., Eloff, J.N. & Naidoo, V. (2018): *In vitro* Bioassays used in Evaluating Plant Extracts for Tick Repellent and Acaricidal Properties: A Critical Review. *Veterinary Parasitology* 254: 160-171. Published by the American Association of Veterinary Parasitologists, the European Veterinary Parasitology College and the World Association for the Advancement of Veterinary Parasitology. Available online at <https://doi.org/10.1016/j.vetpar.2018.03.008>

(20) Ajibola, S., Biobaku, K., **Adenubi, O.**, Gbenle, B. & Rahman, S. (2017): Comparative Electrocardiographic Effects of Propofol-tramadol and Propofol-ketamine Anaesthesia in Puppies. *West African Journal of Pharmacology and Drug Research* 32(1): 16-24. Published for the West African Society for Pharmacology by Literamed Publications Nigeria Ltd. Available online at <https://www.ajol.info/index.php/wajpdr/article/view/190513>

(21) ^fFouche, G., Sakong, B.M., **Adenubi, O.T.**, Dzoyem, J.P., Naidoo, V., Leboho, T., Wellington, K.W. & Eloff, J.N. (2017): Investigation of the Acaricidal Activity of the Acetone and Ethanol Extracts of 12 South African Plants against the Adult Ticks of *Rhipicephalus turanicus*. *Onderstepoort Journal of Veterinary Research* 84(1), a1523. Published by the Agricultural Research Council, Onderstepoort Veterinary Institute and the University of Pretoria, South Africa. Available online at <https://doi.org/10.4102/ojvr.v84i1.1523>

(22) ^fWellington, K.W., Leboho, T., Sakong, B.M., **Adenubi, O.T.**, Eloff, J.N. & Fouche, G. (2017): Further Studies on South African Plants: Acaricidal Activity of Organic Plant Extracts against *Rhipicephalus (Boophilus) microplus* (Acari: Ixodidae). *Veterinary Parasitology* 234: 10-12. Published by the American Association of Veterinary Parasitologists, the European Veterinary Parasitology College and the World Association for the Advancement of Veterinary Parasitology. Available online at <https://doi.org/10.1016/j.vetpar.2016.12.014>

(23) ^fAbubakar, R.H., Madoroba, E., **Adenubi, O.**, Morar-Leather, D. & Fasina, F.O. (2017): Bacterial pathogens of pigs with particular reference to *Escherichia coli*: A systematic review and meta-analysis. *Journal of Veterinary Medicine and Animal Health* 9(7):159-185. Published by Academic Journals, Mauritius. Available online at <http://www.academicjournals.org/journal/JVMAH/article-full-text-pdf/7D012B065004>.

- (24) ^fAdenubi, O.T., Fasina, F.O., McGaw, L.J., Eloff, J.N. & Naidoo, V. (2016): Plant Extracts to Control Ticks of Veterinary and Medical Importance: A Review. *South African Journal of Botany* 105: 178-193. Published for the *South African Association of Botanists* by Elsevier Science Publishers, Netherlands. Available online at <https://doi.org/10.1016/j.sajb.2016.03.010>
- (25) ^fFouche, G., Ramafuthula, M., Maselela, V., Mokoena, M., Senabe, J., Leboho, T., Sakong, B.M., Adenubi, O.T., Eloff, J.N. & Wellington, K.W. (2016): Acaricidal Activity of the Organic Extracts of Thirteen South African Plants against *Rhipicephalus (Boophilus) decoloratus* (Acari: Ixodidae). *Veterinary Parasitology* 224: 39-43. Published by the American Association of Veterinary Parasitologists, the European Veterinary Parasitology College and the World Association for the Advancement of Veterinary Parasitology. Available online at <https://doi.org/10.1016/j.vetpar.2016.05.011>
- (26) ^fFouche, G., Sakong, B.M., Adenubi, O.T., Pauw, E., Leboho, T., Wellington, K.W. & Eloff, J.N. (2016): Anthelmintic Activity of Acetone Extracts from South African Plants used on Egg Hatching of *Haemonchus contortus*. *Onderstepoort Journal of Veterinary Research* 83(1): 1-7. Published by the Agricultural Research Council, Onderstepoort Veterinary Institute and the University of Pretoria, South Africa. Available online at <http://dx.doi.org/10.4102/ojvr.v83i1.1164>
- (27) ^fFasina, F.O., Adenubi, O.T., Ogundare, S.T, Shittu, A., Bwala, D.G. & Fasina, M.M. (2015): Descriptive Analysis and Risk of Death due to Ebola Virus Disease, West Africa, 2014. *The Journal of Infection in Developing Countries* 9(12): 1298-1307. Published by the JDIC Publisher, Sassari, Italy. Available online at <https://doi.org/10.3855/jidc.6484>
- (28) ^fOlukunle, J.O., Adenubi, O.T., Biobaku, K.T. & Sogebi, E.A.O. (2015): Anti-inflammatory and Analgesic Effects of Methanol Extract and Fractions of *Acalypha wilkesiana* Leaves. *Journal of Basic and Clinical Physiology and Pharmacology* 26(2): 181-184. Published for the Israel Physiological and Pharmacological Society by Walter de Gruyter GmbH, Berlin, Germany. Available online at <https://doi.org/10.1515/jbcpp-2013-0079>
- (29) Idowu, O.A., Babalola, A.S., Adenubi, O.T. & Olukunle, J.O. (2014): Anti-plasmodial Activities of Combined Extracts of *Morinda morindoides*, *Morinda lucida* and *Vernonia amygdalina* in *Plasmodium berghei* Infected-mice. *The Zoologist* 11: 40-45. Published by the Zoological Society of Nigeria. Available online at <https://www.ajol.info/index.php/tzool/article/view/123694>
- (30) Olukunle, J.O., Ajayi, O.L., Adenubi, O.T., Jacobs, E.B., Okediran, B.S. & Akinkuotu, O.A. (2012): Evaluation of the Toxic Effect of Aqueous Extract of the Bark of *Morinda morindoides* Root in Male Wistar Rats. *Nigerian Journal of Animal Production* 39(2): 163-171. Published by the Nigerian Society for Animal Production. Available online at <https://doi.org/10.51791njap.v39i2.823>
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(ii) Edited conference proceedings

(44) **Adenubi, O.T.**, Ajayi, O.L., Ajadi, T, A., Akande, F.A., Olukunle, J.O., Agbaje, M. & Akintunde, D.S. (2011): Toxicity Studies of the Ethanolic Extract of *Laurus nobilis* in Male Wistar Rats. *Proceedings of the 36th Annual Conference of the Nigeria Society for Animal Production*, Adeniji, A.A., Olatunji, E.A. & Gana, E.S. (Eds.) 161-163. Published by the Nigerian Society for Animal Production.

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(iii) Chapter in book

(46) ^{*f}**Adenubi, O.T.**, Abdalla, M.A. & McGaw, L.J. (2020): Chapter 11- Ethnoveterinary Plants and Practices for the Control of Ticks and Tick-borne Diseases in South Africa. In *Ethnoveterinary Medicine. Present and Future Concepts*. McGaw, L.J. & Abdalla, M.A. (Eds.). Published by Springer Nature, Switzerland. pp 255-271. Available online at <https://doi.org/10.1007/978-3-030-32270-0>

^fPaper published in Foreign journal

10. MAJOR CONFERENCES ATTENDED AND PAPERS READ

Abolaji, A.O., **Adenubi, O.T.**, Salihu, T., Akande, F.A. & Lawal, H. (2020): Chemical Composition and Acaricidal Activity of *Eucalyptus globulus* Labill Essential Oil against the Vector of Tropical Bovine Piroplasmiasis: *Rhipicephalus (Boophilus) annulatus*. Eniseyin, F.O., Oyewusi, J.A., Abolaji, A.O., Salihu, T., Akande, F.A. & **Adenubi, O.T.** (2020): *In vitro* Acaricidal Activity of Aqueous and Methanol Extracts of Red Cultivar *Allium cepa* L. on Engorged Female *Rhipicephalus (boophilus) annulatus* from Naturally Infested Cattle. Inaugural Forum of Nigerian Toxicologists Conference held at the University of Ibadan between 11th and 12th March, 2020.

Adenubi, O.T. (2019): The Role of a Veterinarian in Poverty Eradication. Africa's Young Entrepreneurs Empowerment Nigeria Annual Convention held at the International Conference Centre, Akure, Ondo State on 14th December, 2019.

Adenubi, O.T. (2018): Accomplishments in Promoting Science Education for Girls and Women. Schlumberger Foundation Outreach Pilot held at Transcorp Hilton, Abuja between 17th and 21st September, 2018.

Adenubi, O.T. (2017): Women and the Challenges of Entrepreneurship. Africa's Young Entrepreneurs Empowerment Nigeria Networking with the Giants Conference held at the Oriental Hotel, Lagos State on 30th November, 2017.

Adenubi, O.T., McGaw, L.J., Eloff J.N. & Naidoo V. (2017): Acaricidal Efficacy of Crude Extracts and Isolated Flavonoids from *Calpurnia aurea* subsp. *aurea* against *Rhipicephalus turanicus*. 20th Indigenous Plant Use Forum held at the Boys Barter Village, Montana, Pretoria, South Africa between 9th and 12th July, 2017.

Adenubi, O.T., McGaw, L.J., Eloff J.N. & Naidoo V. (2016): Evaluation of the Tick-repellent and Acaricidal Properties of some South African Ethnoveterinary Plant Species. Schlumberger Foundation Faculty for the Future Fellows Forum held at Protea Hotel Conference Hall, Cape Town, South Africa between 28th and 31st August, 2016.

Adenubi, O.T., McGaw, L.J., Eloff J.N. & Naidoo V. (2016): Phytochemicals - Alternatives to Synthetic Chemical Acaricides? Faculty Day held at the Faculty of Veterinary Sciences, Onderstepoort campus, Pretoria, South Africa on 25th August, 2016.

Adenubi, O.T., McGaw, L.J., Eloff J.N. & Naidoo V. (2016): *In vitro* Bioassays for Plant Extracts with Tick Repellent and Acaricidal Properties: A Systematic Review and Meta-analysis. 9th Joint Natural Products Conference held at Tivoli Congress Centre, Copenhagen, Denmark between 24th and 27th July, 2016.

Adenubi, O.T., Njoya, E.M., Ramadwa, T., Sakong, B.M., Eloff, J.N., McGaw, L.J. & Naidoo, V. (2016): Assessment of *In vitro* Acaricidal Potential and Cytotoxicity of Crude Extract of *Ptaeroxylon obliquum*. 55th Society of Toxicology Annual Meeting and ToxExpo held at New Orleans Convention Centre, New Orleans, Louisiana, United States of America between 13th and 17th March, 2016.

Adenubi, O.T., Kupoluyi, A.K. & McGaw, L.J. (2015): Women and Leadership Challenges in the Education Sector. ASSAf-TWAS ROSSA Annual South African Young Scientists' Conference held at Oliver Tambo International Airport Conference Centre, Johannesburg, South Africa between 16th and 18th September, 2015.

Sakong, B.M., **Adenubi, O.T.,** Dzoyem, J.P., Naidoo, V. & Eloff, J.N. (2015): Antibacterial, Antioxidant and Cytotoxic Properties of Nine South African Ethnoveterinary Plants. Faculty Day held at the Faculty of Veterinary Sciences, Onderstepoort campus, Pretoria, South Africa on 20th August, 2015.

Sakong, B.M., **Adenubi, O.T.,** Dzoyem, J.P., Naidoo, V. & Eloff, J.N. (2015): *In vitro* Assessment of Toxicity and Selectivity Index of Selected South African Medicinal Plants. 54th Society of Toxicology (SOT) Annual Meeting and ToxExpo held at San Diego, California, United States of America between 22nd and 26th March, 2015.

Adenubi, O.T., Fasina, F.O., McGaw, L.J., Eloff J.N. & Naidoo V. (2015): Using Plant Extracts to Control Ticks and Tick-borne Diseases: A Review. 41st Annual Conference of the South African Association of Botanists held at Tshipise Forever Resort, Venda, Limpopo Province, South Africa between 11th and 15th January 2015.

Adenubi, O.T. & Osinubi, M.O.V. (2011): Electrophoretic Haemoglobin Pattern of Apparently Healthy Nigerian Breed of Dogs in Zaria. 36th Annual Conference of the Nigeria Society for Animal Production held at FCT, Abuja, Nigeria between 13th and 16th March, 2011.

Adenubi, O.T. & Akintunde, D.S. (2011): Toxicity Studies of the Ethanolic Extract of *Laurus nobilis* in Male Wistar Rats. 36th Annual Conference of the Nigeria Society for Animal Production held at FCT, Abuja, Nigeria between 13th and 16th March, 2011.

Olukunle, J.O., Ajayi, O.L., **Adenubi, O.T.**, Okediran, B.S. & Akinkuotu O.A. (2010): Evaluation of the Toxic Effect of the Aqueous Extract of the Bark of the Root of *Morinda morindoides* in Male Wistar Rats. International Conference on Folk and Herbal Medicine held at Udaipur (Rajasthan), India between 25th and 27th November, 2010.

Adenubi, O.T., Raji, Y., Awe, E.O. & Makinde, J.M. (2009): The Effect of the Aqueous Extract of the Leaves of *Boerhavia diffusa* Linn. on Semen and Testicular Morphology of Male Wistar Rats. African Regional Conference of the Third World Organization for Women in Science with the theme Gender and the Millenium Development Goals held at Abuja between 16th to 20th November, 2009.

Adenubi, O.T. & Olukunle, J.O. (2009): Effect of Aqueous Extract of *Acalypha wilkesiana* Leaves on the Spermogram of Male Wistar Rats. 46th Annual Congress of Nigerian Veterinary Medical Association held at Anambra State between 19th and 23rd October, 2009.

11. FELLOWSHIP, MASTERS PROJECT AND PhD THESIS SUPERVISION

S/N	Title of Thesis	Name of Student	Date of Commencement	Completed /Ongoing	Sole/Collaborative Supervision
1	Effect of ethanolic extract of <i>Aspilia africana</i> leaves on scopolamine-induced memory impairment in mice	Ogundiran O.I.	August 2021	Ongoing	Collaborative
2	Comparative evaluation of olfactory cognition in exotic (service) dogs and Nigerian local dogs	Birma, Y.B.	August 2021	Ongoing	Collaborative
3	Evaluation of the growth performance, immunomodulating and antimicrobial effects of aqueous extract of <i>Phyllanthus amarus</i> L. in broiler birds	Odukoya, A.I.	February 2020	Completed	Collaborative
4	Effect of oral administration of <i>Lagenaria breviflora</i> Roberty fruit extract on meat quality of broiler chicken	Adebowale, O.J.	January 2020	Ongoing	Collaborative
5	Ameliorative effect of methanolic extract of <i>Vernonia amygdalina</i> Delile leaves in alloxan-induced diabetic Wistar rats	Adekoya O.A.	November 2019	Ongoing	Collaborative
6	A comparative study of the wound healing properties of <i>Chromolaena odorata</i> L. leaf juice and honey in rabbits	Ogunyeye, I.T.	November 2019	Ongoing	Collaborative
7	Radiography and ultrasonography of the abdominal cavity in the Greater cane rats	Hamzat-Shoyombo, R.	November 2019	Ongoing	Collaborative
8	Acaricidal efficacy, safety profile and chemical composition of the essential oils of selected ethnoveterinary plants	Salihu, T.	September 2018	Ongoing	Collaborative

12. EXTRA CURRICULA ACTIVITIES

(i) Reading

(ii) Travelling

13. REFEREES

(i) Prof. A.O. Sonibare

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RESEARCH FOCUS OF DR OLUBUKOLA TOLULOPE ADENUBI
VETERINARY PHARMACOLOGY AND TOXICOLOGY

My research focus as a veterinary pharmacologist is the use of natural products from plant species in the management of diseases and disease vectors of veterinary and medical importance. Ticks are important disease vectors of both companion and food animals. Globally, the direct losses caused by tick infestation and tick-borne diseases as well as indirect losses incurred for their treatment and control has been calculated at US\$ 13.9-18.7 billion per year. In spite of the several commercial acaricidal agents available, resistance is a big challenge which has resulted in inefficacy of the available agents and toxicity in several target and non-target animals. My research has focused extensively on identifying new agents from natural products that can be used to solve this global problem. I was able to identify two new compounds, namely apigenin-7-O- β -D-glycoside and isorhoifolin (apigenin-7-O-rutinoside) from *Calpurnia aurea* subsp *aurea* (Wild Laburnum), as potential safer and efficacious, natural acaricidal agents. In addition, I was able to compare and identify new methods of evaluating acaricidal properties of synthetic and natural agents. Based on the significance of my research, I contributed a chapter to a book on Ethnoveterinary medicine and was selected as an adviser to the Vector Control Action Group of the World Health Organization (WHO).

Another major aspect of my research focus is on Ethnopharmacy, a re-emerging field, which offers an innovative approach for drug discovery. From my research, many plant species used in our traditional and local cultures, have been discovered to contain bioactive compounds capable of modulating metabolic pathways which may be involved in many infectious and non-infectious diseases. I was able to identify plants such as *Annona muricata* (Soursop) and *Morinda morindoides* (Morinda) showing better antidiabetic activity than a standard antidiabetic drug, glibenclamide. In my course of my research also, approximately 30 plants which may be used in the management of arthritis, a leading cause of disability among millions of people in Nigeria were also identified. An aspect of reproductive pharmacology in which I was involved, led to the discovery of plants such as *Acalypha wilkesiana* (Jacob's coat) and *Morinda morindoides* (Morinda) with antispermatogenic activities. These plants may be developed as contraceptive agents for males. Other biological properties of plants I have studied are analgesic/anti-inflammatory, antiprotozoal, anthelmintic and antibacterial. I have also evaluated and reported the toxicity profile of some commonly used, presumably safe plants such as *Allium cepa* (Onion) and *Laurus nobilis* (Bay leaves) in fish and rats respectively. Based on my findings, I propose that the integration of some of these plant species into orthodox medicine may produce better therapeutic effects thereby reducing loss of income in many impoverished African states.

As a clinical pharmacologist, I have carried out research on commonly used anaesthetic agents and determined some anaesthetic protocols best fit for common companion and food animal surgeries. This

led to the xylazine-ketamine anaesthetic protocol currently employed at the Veterinary Teaching Hospital, FUNAAB, as it has been shown to have good quality of anaesthetic induction without overexpression of the sympatho-excitatory system. In addition, some rare and interesting cases I have handled, such as rabies in a West African dwarf goat and dental malocclusion in a rabbit were reported.

Finally, the West African Ebola virus epidemic between 2013-2016, and the COVID-19 pandemic currently ravaging the world, whose sources are probably linked to animals, have caused major loss of life and socioeconomic disruption. I studied the pattern and prediction of the diseases as well as vaccine acceptability of the populace. This is evident in my peer-reviewed publications, aside other newspaper articles I wrote on the subject matter.

My plan for the immediate future is to take my research on medicinal and toxic plants to the molecular level, investigate the probable mechanism(s) of action by which the phytochemicals produce the observed biological activities and develop a product from the drug leads. This will be done in collaboration with the Phytomedicine Laboratory, University of Pretoria, South Africa.