

CURRICULUM VITAE

01 PERSONAL

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| (i) Name: | ADEMOLU Kehinde Olutoyin |
| (ii) Date of Birth: | 26 th September, 1974 |
| (iii) Place of Birth: | Somolu, Lagos State |
| (iv) Age: | 44 years |
| (v) Sex: | Male |
| (vi) Marital Status: | Married |
| (vii) Nationality: | Nigerian |
| (viii) Town and State of Origin: | Sagamu/ Ogun State |
| (ix) Contact Address: | Pure and Applied Zoology Dept,
Federal University of Agriculture,
P.M.B 2240, Alabata Road,
Abeokuta, Ogun State Nigeria. |
| (x) Phone Number: | 08038548762 |
| (xi) E-mail Address: | kennyademolu@yahoo.com |
| (xii) Present Post and Salary (both level and amount): | Reader 6/2,
₦3,600,000 per annum |
| (xiii) Post on Promotion: | Professor |

02 EDUCATIONAL BACKGROUND

(i) Educational Institutions attended (with dates)

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| (a) Federal University of Agriculture, Abeokuta. | 2003-2008 |
| (b) Federal University of Agriculture, Abeokuta. | 2000-2002 |
| (c) Federal University of Agriculture, Abeokuta. | 1993-1998 |
| (d) Ansar-ud-deen College, Isolo Lagos State. | 1986-1992 |

(ii) Academic and Professional Qualifications (with dates)

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| (a) Ph.D. Zoology (Animal Physiology) | 2008 |
| (b) M.Sc. (Animal Physiology) | 2002 |
| (c) B.Sc. (Hons) Zoology | 1998 |
| (d) West African School Certificate (WASC) | 1992 |

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

03 WORK EXPERIENCE (UNIVERSITY TEACHING)

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| i. Assistant Lecturer , Department of Biological Sciences,
Federal University of Agriculture, Abeokuta. | 2003-2006 |
| ii. Lecturer II , Department of Biological Sciences,
Federal University of Agriculture, Abeokuta. | 2006-2009 |

- iii. **Lecturer I**, Department of Biological Sciences,
Federal University of Agriculture, Abeokuta 2009-2012
- iv. **Senior Lecturer**, Department of Biological Sciences,
Federal University of Agriculture, Abeokuta. 2012-2015
- v. **Visiting Senior Lecturer**, Department of Zoology,
University of Lagos, Akoka, Lagos State. 2015-2016
- vi. **Reader**, Department of Pure and Applied Zoology,
Federal University of Agriculture, Abeokuta, Ogun State 2015-to date

Courses taught in 2014/15 session

Serial number	Course title	Course Code	Number of Units	Number of contact hour
1	Introductory Physiology	BIO 103	2	2
2	Introductory Entomology	ZOO 361	3	6
3	Applied Entomology	ZOO 465	3	6
4	Field Course II	BIO 405	1	3
5	Genetics II	BIO 301	2	2
6	Essay Seminar	BIO 497	2	2
7	Physiology of Digestion	ZOO 803	3	3
8	Physiological Techniques	ZOO 815	3	3

Courses taught in 2015/16 session

Serial number	Course title	Course Code	Number of Units	Number of contact hour
1	General Biology II	BIO 102	2	2
2	Biology Practical II	BIO 192	1	3
3	General Physiology	BIO 206	2	5
4	Invertebrate Zoology II	ZOO 262	2	5

5	Comparative Animal Physiology	ZOO 462	3	6
6	Physiology of Excitable tissues	ZOO 802	3	3
7	Insect Physiology	ZOO 708	3	3

Courses taught in 2016/17 session

Serial Number	Course Title	Course Code	Number of Units	Number of Contact Hour
1	Introductory Physiology	BIO 103	2	2
2	Introductory Entomology	ZOO 361	3	6
3	Field Course II	BIO 405	1	3
4	Genetics II	BIO 301	2	2
5	Essay Seminar	BIO 497	2	2
6	General Biology II	BIO 102	2	2
7	Biology Practical II	BIO 192	1	3
8	General Physiology	ZOO 206	2	5
9	Invertebrate Zoology II	ZOO 262	2	5
10	Comparative Animal Physiology	ZOO 462	3	6
11	Physiology of Excitable tissues	ZOO 802	3	3
12	Insect Physiology	ZOO 808	3	3
13	Physiological Techniques	ZOO 815	3	3

B Student supervision (undergraduate)

2003/2004 session	2 students
2005/2006 session	2 students
2006/2007 session	2 students
2007/2008 session	2 students
2008/2009 session	5 students

2009/2010 session	2 students
2010/2011 session	4 students
2011/2012 session	5 students
2012/2013 session	4 students
2013/2014 session	5 students
2014/2015 session	6 students
2015/2016 session	4 students
2016/2017 session	5 students

04 SPECIAL ASSIGNMENTS/COMMUNITY DEVELOPMENT
(a) ACTIVITIES WITHIN THE UNIVERSITY

Member , College Board of COLNAS	2003 to 2014
Member , LOC COLNAS International Conference on Science and National Development.	2004 to 2008
Secretary , DTLC Committee of Biological Sciences Department	2005-2007
Secretary , Committee on Animal House of Biological Sciences Department	2005-2007
Result computation officer , Biological Sciences Department	2005 -2012
Member , Committee on Commercial Production of Snail	2008
Course Adviser , 400 level and FNG	2008 to date
Desk Officer , Result Rectification for COLNAS	2008 to 2010
Member , IFSERAR, Biosciences Programme	2010 -2012
Asst Coordinator , COLNAS Leadership Seminar	2010 to 2014
Asst Head of Programme , Foundation Science Programme (FSP)	2010 -2012
Member , College Committee on Examination Results (COLNAS)	2010 to 2014
Member , College Board of Studies of COLNAS	2010 to 2014
Member , Student Disciplinary Committee (SDC)	2011 -2012
Member , College Board of Studies of COLBIOS, FUNAAB	2014 to date
Member , College Committee on Examination Results (COLBIOS)	2014 to date
Coordinator , Post Graduate Programme, Biological Sciences Department	2013-2015.
Head of Programme , Cambridge A' Level, INHURD, FUNAAB	2014- 2015.
Coordinator , Post Graduate Programme, Department of Pure and Applied Zoology	2017 to date
Acting Head of Department , Pure and Applied Zoology Department (May, 2017 and August-September, 2017).	
SIWES Coordinator , Department of Pure and Applied Zoology	2017 to date
Member , Senate Committee on Examination Results (SECOCER)	2018 to date
Acting Programme Leader (JUPEB) INHURD, FUNAAB	2018 to date

(b) ACTIVITIES OUTSIDE THE UNIVERSITY

Member , LOC, 37 th Annual Conference of Nigerian Society of Plant Protection (NSPP)	2012
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Participant, Cytotaxonomic Identification of *Simulium* flies towards Elimination of *Onchocerciasis* in Cross River and Benue States (WHO) July-August, 2012.

Participant, Cytotaxonomic Identification of *Simulium* flies towards Elimination of *Onchocerciasis* in Cross River State (WHO) 2nd-9th April, 2013.

Participant, Cytotaxonomic Identification of *Simulium* flies towards Elimination of *Onchocerciasis* in Cross River State (WHO) 3rd-16th June, 2013.

Secretary, Entomological Society of Nigeria (Abeokuta Branch) 2013 to date

Secretary, LOC, 2nd International Conference on Giant African Land Snails, (GALS) 2013

Deputy Editor –in-Chief, Journal of Molluscan Research. Published by NeTGALS. June 2013 to date

Auditor, Towalase Community Development Association, Aregbe, Abeokuta, Ogun State 2014 to 2016

Chairman, Towalase Community Development Association, Aregbe, Abeokuta, Ogun State. May 2016 to date

Member, LOC, 1st Annual Conference of Wildlife Management Society of Nigeria (WIMSON) at Federal University of Agriculture, Abeokuta, Nigeria. 17th – 20th Sept, 2017.

05 TRAINING PROGRAMME ATTENDED

- i. Workshop on Writing Grant Winning Proposal organized by Research and Development Centre, RESDEC, UNAAB, 4th-6th January, 2006.
- ii. Scientific writing, publishing and oral communication/inception workshop, organized by Association of African Universities (AAU), at University of Agriculture, Abeokuta (UNAAB) 23rd -25th June, 2010.
- iii. First DNA Fingerprinting Workshop, Biotechnology Center, UNAAB 26th-30th July, 2010.
- iv. Training in cytotaxonomic identification of members of the *Simulium damnosum* complex within Nigeria. Organized by WHO/APOC at University of Agriculture, Abeokuta (UNAAB) Aug 1st–Sept 23rd, 2011.
- v. Workshop on fund sourcing, proposal writing and project management. Organised by Directorate of Grant Management, FUNAAB, Dec 3rd- 5th, 2012.
- vi. Workshop on Leadership Empowerment in Higher Education at the Administrative Staff College of Nigeria, Topo, Badagry. Dec 10th -12th, 2014.
- vii. ASUU-UNAAB Leadership Training workshop on “Towards a principled and ideological unionism” at ASUU-UNAAB Secretariat, FUNAAB, 28th June, 2017.

06 COMMENDATION

Commendation letter from the Vice-Chancellor, Prof, O.B. Oyewole on successfully anchoring the 2nd International Conference on Giant African Land Snail. July, 2013.

07 MEMBERSHIP OF PROFESSIONAL BODIES

- i. Zoological Society of Nigeria (ZSN)
- ii. Entomological Society of Nigeria (ESN)
- iii. International Society for Pest Information (ISPI)
- iv. Research Network on Giant African Land Snail (NETGALS)
- v. Nigerian Society for Plant Protection (NSPP)

08 RESEARCH INTEREST OR COMMISSIONED PROJECTS

(a) Completed

- 1) The microbial flora assessment of all instar stages of variegated grasshopper, *Zonocerus variegatus*
- 2) Enzymatic activities in the gut regions of variegated grasshopper, *Zonocerus variegatus* during post embryonic development
- 3) Biochemical analysis of the haemolymph of normal and albino Giant African Land Snails
- 4) Effects of mating on the tissues of variegated grasshopper, *Zonocerus variegatus*

(b) In progress

- 1) Biochemical analysis of the tissues of Giant African Land Snails during aestivation
- 2) Anti microbial properties of the haemolymph of Giant African Land Snails
- 3) Influence of reproductive activities on the accessory organs of variegated grasshopper, *Zonocerus variegatus*
- 4) Hormonal assay of the snails' tissues during different reproductive phases
- 5) Validation of traditional utilization of snails' parts by laboratory experiments
- 6) Digestive physiology of fresh water snails : *Lanistes libycus* and *Pila africana*

09 Publications

(a) Dissertation

- i **Ademolu, K.O. (2008)**. Physiological Studies on variegated Grasshopper *Zonocerus variegatus* (L) During Post Embryonic Development (Ph.D Thesis submitted to Federal University of Agriculture, Abeokuta.)
- ii **Ademolu, K.O. (2002)**. Effect of different Nitrogen sources on the growth performance, Haemolymph mineral composition and nutritive value of African Giant Land Snail (*Archachatina marginata*) (M.Sc. Dissertation submitted to University of Agriculture, Abeokuta.)
- iii **Ademolu, K.O. (1998)**. Physical and Chemical Analysis of Earthworms in some locations in Abeokuta (B.Sc. Dissertation submitted to University of Agriculture, Abeokuta)

(b) Articles/Papers in Learned Journals

- 1 **Ademolu, K.O;** Idowu, A.B and Agbelusi, O.M. (2006) Effect of Stocking Density on the Growth and Haemolymph Biochemical value of *Archachatina marginata*. ***Tropical veterinarian* 24 (1&2):6-10**. Published by Faculty of Veterinary Medicine, University of Ibadan, Nigeria. Available online at <http://ajol.info/index.php/index>
- 2 **Ademolu, K.O;** Idowu, A.B and Amusan, A.A.S. (2007). Chemical Analysis of Tissues of *Zonocerus variegatus* (L) (Orthoptera: Pygomorphidae) During Post Embryonic Development in Abeokuta, South-Western, Nigeria. ***Nigerian Journal of Entomology*. 24:27-34**. Published by Entomological Society of Nigeria. Available online at <http://esn.org.ng>
- 3 Jayeola, O.A; **Ademolu, K.O;** Ogunjinmi, A.A and Meduna, A.L (2007). Effect of disturbance on egg laying Pattern and Hatchability of Feral Helmet Guinea Fowl (*Numida meleagris galleata pallas*) egg. ***The Zoologist* .5:54-59**. Published by Zoological Society of Nigeria. Available on-line at <http://ajol.info/index>
- 4 **Ademolu, K.O,** Idowu, A.B, Mafiana, C.F and Osinowo,O.A (2007).Performance, proximate and mineral analysis of African giant land snail (*Archachatina marginata*) fed on different nitrogen sources. ***Tropical veterinarian* 25 (4) :124-131**. Published by Faculty of Veterinary Medicine, University of Ibadan, Nigeria. Available online at <http://ajol.info/index.php/index>
- 5 Idowu, A.B, O.D Babalola, **K.O Ademolu** (2007). Potentials of *Albizia saman* pod as feed for the Albino Rats (Spragne dawley). ***Tropical veterinarian*. 25 (4): 116-123**. Published by Faculty of Veterinary Medicine, University of Ibadan, Nigeria. Available online at <http://ajol.info/index.php/index>
- 6 Idowu, A.B, Somide, O.M and **Ademolu, K.O** (2008). Comparative Analysis of the chemical composition of the haemolymph, flesh and the

microflora content of the guts of some African land snails in Abeokuta, Nigeria. *Tropical veterinarian* 26(1&2): 20-29 Published by Faculty of Veterinary Medicine, University of Ibadan, Nigeria. Available online at <http://ajol.info/index.php/index>

- 7 **Ademolu, K.O;** Idowu,A.B and Jayeola,O.A (2008). Reproductive Tract assessment of Three Common African Land Snails. *Tropical Journal of Animal Science*. 10: 81-83. Published by Animal Science Association of Nigeria (ASAN)
- 8 **Ademolu, K.O;** Idowu, A.B and Jayeola, O.A (2009). Changes in haemolymph biochemical values during different growth phases in African Giant Land Snail (*Archachatina marginata*) Swainson. *Nigerian Journal of Animal Production* 36 (1): 161-166. Published by Nigeria Society of Animal Production (NSAP). Available online at <http://ajol.info/index.php/njap>
- †9 **Ademolu, K.O,** Idowu, A.B and Olatunde, G.O (2009). Morphometrics and enzymes activities in the femoral muscles of variegated grasshopper, *Zonocerus variegatus* (Orthoptera: Pyrgomorphidae) during post embryonic development. *International Journal of Tropical Insect Science* 29:53-56. Published by Cambridge University Press, London. Available online at <http://journals.cambridge.dye.org/achive/display>
- 10 Jayeola, O.A; Onadeko, S.A; **Ademolu, K.O** and Awofeso, O.M (2009). Prediction of body weight from body measurement in Cane Rat: *Thryonomys swinderianus* (Temminck, 1827). *The Zoologist* 7:168-175 Published by Zoological Society of Nigeria. Available on-line at <http://ajol.info/index>
- †11 **Ademolu, K.O;** Fakeye, O.D; Dedeke, G.A and Idowu, A.B (2009) Activities of glycosidases in the foot muscles of African giant land snail *A. marginata* during aestivation. *Ethiopia Journal of Biological Sciences* 8(2):165-170. Published by Biological Society of Ethiopia. Available online at <http://ajol.info/index.php/ejbs>
- †12 **Ademolu, K.O;** Idowu, A.B and Olatunde, G.O (2010). Hemocyte populations in *Zonocerus variegatus* (L) (Orthoptera:Pyrgomorphidae) during post embryonic development. *Acta Entomological Sinica* 53(4) :470-473. Published by Institute of Zoology, Chinese Academy of Science, Beijing, China. Available online at <http://insect.org.cn/CN/article/to load article>
- †13 **Ademolu, K.O;** Idowu, A.B and Olatunde, G.O (2010). Nutritional value Assessment of Variegated Grasshopper, *Zonocerus variegatus* (Acridoidea: Pyrgomorphidae) During Post Embryonic Development. *African Entomology* 18 (2) :360-364. Published by Entomological Society of South Africa. Available online at <http://bioone.org/doi/10.4001>

- 14 **Ademolu, K.O**; Oguntayo,O.O; Idowu, A.B and Dedeke, G.A (2010). Variations in tissues metabolites and gut microbial flora of adult male *Zonocerus variegatus* (L) (Orthoptera: Pyrgomorphidae) during starvation. ***Biological and Environmental Sciences Journal for the Tropics (BEST)*** 8(1):188-193. Published by Department of Biological Sciences, Bayero University Kano, Nigeria.
- †15 **Ademolu, K.O**; Jayeola, O.A; Idowu, A.B and Elemide, I.O (2011). Circadian variation in the locomotor, feeding pattern and active periods of two land snails species (*Archachatina marginata* and *Achatina achatina*). ***Archivos de Zoootenia***. 60 (232):1323-1326 Published by Spanish Society of Genetic Resources of Animals, Spain. Available online at <http://uco.es/organiza/servicios/publica/az/php/articulo>
- †16 **Ademolu, K.O** and Idowu, A.B (2011) Activity of digestive enzymes in *Zonocerus variegatus* (Orthoptera: pyrgomorphidae) gut homogenates during post embryonic development . ***International Journal of Tropical Insect Science*** 31:29-33. Published by Cambridge University Press,London. Available online at <http://journals.caambridge.dye.org/achive/display>
- † 17 **Ademolu, K.O** and Idowu, A.B (2011). Occurrence and distribution of microflora in the gut regions of variegated Grasshopper *Zonocerus variegatus* (Orthoptera :Pyrgomorphidae) during development. ***Zoological Studies*** 50(4): 409-415. Published by Biodiversity Research Centre, Academia Sinica, Taiwan. Available online at <http://zoolstud.sinica.edu.tw>
- †18 **Ademolu, K.O**; Balogun, A.A and Idowu, A.B (2011). Growth and ionic composition of the antennae of variegated grasshopper, *Zonocerus variegatus* (L., 1758) (Orthoptera: Pygomorphidae). ***Munis Entomology and Zoology***. 6(2) :920-924. Published by Department of Biology, Gazi University, Turkey. Available online at <http://munisentzool.org>
- †19 **Ademolu, K.O**; Jayeola, O.A; Dedeke, G.A and Idowu, A.B (2011). Comparative analysis of the growth performance and haemolymph biochemical properties of normal and albino giant land snail-*Archachatina marginata*. ***Ethiopian Journal of Environmental Studies and Management*** . 4(2):101-106. Published by Department of Geography and Environmental Studies, Bahir Dar University, Ethiopia. Available online at <http://ajol.info/index.php/ejesm/index>
- †20 **Ademolu, K.O**; Idowu, A.B and Oke, A.O (2011). Impact of reproductive activities on the tissues of *Zonocerus variegatus* grasshopper adult (Orthoptera: Pygomorphidae). ***Florida Entomologist***. 94 (4):993-997. Published by Florida Society of Entomology, U.S.A. Available online at <http://journals.fcla.edu/flaent/article/view>
- 21 **Ademolu, K.O**; Idowu,A.B; Jayeola, O.A;Osunsina, I; Dedeke, G.A; Oluwafemi, F and Ibie, E (2012). Influence of different management

systems on gut microbes and chemical constituents of Giant land snail (*Archachatina marginata*). *Nigerian Journal of Animal Production* (NJAP) 39 (11):179-186. Published by Nigeria Society of Animal Production (NSAP). Available online at <http://ajol.info/index.php/njap>

- †22 **Ademolu, K.O**; Idowu, A.B and Oke, O.A (2013), Life Cycle and Morphometric studies of variegated grasshopper *Zonocerus variegatus* (Linnaeus, 1758). *Munis Entomology and Zoology* 8 (1):375-381. Published by Department of Biology, Gazi University, Turkey. Available online at <http://munisentzool.org>
- †23 **Ademolu, K.O**; Fakeye, O.D; Dedeke, G.A; Ajayi, O.A and Idowu, A.B. (2013). Digestive Enzymes in African Giant Land Snail (*Archachatina marginata*) during aestivation. *Archivos de Zoootenia* 62(237):73-77. Published by Spanish Society of Genetic Resources of Animals, Spain. Available online at <http://uco.es/organiza/servicios/publica/az/php/articulo>
- †24 **Ademolu, K.O**; Akanmu,E.T; Dedeke, G.A and Jayeola, O.A (2013). A preliminary chemical and structural analysis on the albumen gland of three snail species found in Abeokuta, Ogun State, Nigeria. *Pertanika Journal of Tropical Agricultural Science* 36 (1):35-42. Published by Universiti PutraMalaysia. Available online at www.pertanika.upm.edu.my/JTAS.php
- †25 **Ademolu, K.O**; Taiwo, B.E; Jayeola, O.A and Ajayi, O.A (2013). Egg laying pattern and albumen gland composition of *Archachatina marginata* during different growth phases. *Archivos de Zoootenia* 62 (240): 603-606. Published by Spanish Society of Genetic Resources of Animals, Spain. Available on line at <http://uco.es/organiza/servicios/publica/az/php/articulo>
- †26 **Ademolu, K.O**; Idowu, A.B; Onabiyi,O and Oke, O.A. (2013). The roles of food plants on the dispersion activities of the variegated grasshopper, *Zonocerus variegatus* (L) (Orthoptera: Pyrgomorphidae). *African Entomology* 21(1):41-44. Published by Entomological Society of South Africa. Available online at <http://bioone.org/doi/10.4001>
- 27 **Ademolu, K.O** (2013). Sexual dimorphism in somatic tissues' response to copulation in Adult *Zonocerus variegatus* (L). *Nigerian Journal of Entomology*. 30:164-169. Published by Entomological Society of Nigeria. Available online at <http://esn.org.ng>
- †28 Oke, O.A; Ehien, O.O and **Ademolu, K.O** (2014). Effects of *Dermestes maculatus* (DeGeer, 1774) on smoked African catfish *Clarias gariepinus* (Burchell, 1822) during storage. *African Entomology* . 22(1): 110-114. Published by Entomological Society of South Africa. Available online at <http://bioone.org/doi/10.4001>
- †29 Idowu, A.B; **Ademolu, K.O**. and Bamidele, J.A (2014). Nutrition and heavy metal levels in the mound termite, *Macrotermes bellicosus* (Smeathman) (Isoptera: Termitidae) at three sites under varying land use

in Abeokuta, southwestern Nigeria. *African Entomology* 22(1): 156-162. Published by Entomological Society of South Africa. Available online at <http://bioone.org/doi/10.4001>

- †30 Lawal, O.A; **Ademolu, K.O**; Aina, S.A. and Abiade, A.N. (2014). Influence of nesting habitats on the gut enzymes activity and heavy metals composition of *Apis mellifera andersonii* L (Hymenoptera: Apidae). *African Entomology*. 22 (1): 163-166. Published by Entomological Society of South Africa. Available online at <http://bioone.org/doi/10.4001>
- †31 Bamidele, J.A; Idowu, A.B; **Ademolu, K.O**. and Atayese, A.O. (2014). Microbial diversity and digestive enzyme activities in the gut of earthworms found in sawmill industries in Abeokuta, Nigeria. *Revista de Biología Tropical* . 62 (3):1241-1249. Published by Universidad de Costa Rica. Available online at [www. Biologiatropical ucr.ac.cr](http://www.Biologiatropical.ucr.ac.cr)
- 32 **Ademolu, K.O** (2014). Effect of tentaclectomy on the growth and reproductive performance of Giant African Land snail, *Archachatina marginata*. *Nigerian Journal of Animal Science*. 16 (1):152-156. Published by Animal Science Association of Nigeria (ASAN). Available online at [www.ajol.info/index.php.tjas](http://www.ajol.info/index.php/tjas).
- 33 Aladesida, A.A; Dedeke, G.A; **Ademolu, K.O** and Museliu, F (2014). Nutrient Analysis of three earthworm cast-types collected from Ikenne, Ogun State, Nigeria. (*formally ASSET*) *Journal of Natural Sciences, Engineering and Technology*. 13:36-43 . Published by Federal University of Agriculture, Abeokuta, Nigeria. Available online at journal.unaab.edu.ng
- †34 **Ademolu, K.O**. (2015). Contribution of Pawpaw (*Carica papaya*) plant to the performance of land snail (*Archachatina marginata*). *Archivos de Zoootenia*. 64 (245):79-81. Published by Spanish Society of Genetic Resources of Animals, Spain. Available online at <http://uco.es/organiza/servicios/publica/az/php/articulo>
- †35 **Ademolu, K.O**; Akintola, M.Y; Olanloye, A.O and Adelabu, B.A. (2015). Traditional utilization and biochemical composition of six mollusc shells in Nigeria. *Revista de Biología Tropical*. 63 (2): 459-464. Published by Universidad de Costa Rica. Available online at [www. Biologiatropical.ucr.ac.cr](http://www.Biologiatropical.ucr.ac.cr).
- 36 Bamidele, J.A; Idowu, A.B; **Ademolu, K.O**; Agbaje, A.A. and Ajayi, O.A. (2015). Concentrations of steroids in the Giant African land snail (*Archachatina marginata*) at different reproductive phases. *Journal of Molluscan Research* 1: 46-51. Published by Research Network on Giant African Land Snail (NETGALS). Available online at www.netgals.org
- †37 Bamidele, J.A., Idowu, A.B., **Ademolu, K.O.**, Akinloye, O.A. and Bamgbola, A. A. (2015). Heavy metal accumulation and biochemical

evaluation of earthworms from sawmills in Abeokuta, South-Western Nigeria. *Revista de Biología Tropical*. 63 (4):1213-1221. Published by Universidad de Costa Rica. Available online at www.biologiatropical.ucr.ac.cr

- 38 Pitan O. R., Kehinde, A. T., Osipitan, A. A., **Ademolu, K. O.** and Lawal O.A (2015). Laboratory Evaluation of Insecticidal Activities of Some Botanicals against Four Insect Pests of Honey Bees (*Apis mellifera* L. *Journal of Applied Agricultural and Apicultural Research* 11:172-182. Published by Faculty of Agricultural Sciences, Ladoko Akintola University, Ogbomoso, Nigeria. Available online at [www. Ajol.info/index.php.ijaaar](http://www.Ajol.info/index.php.ijaaar).
- *39 Idowu, A.B; **Ademolu, K.O** and Bamidele, J.A. (2015). Concentration of heavy metals in tissues of 6th instar nymphs and adult variegated grasshopper (*Zonocerus variegatus* L) (Orthoptera: Pygomorphae) collected from different locations in Abeokuta, Nigeria. *Nigeria Journal Entomology* 31:123-128. Published by Entomological Society of Nigeria. Available online at <http://esn.org.ng>
- *40 **Ademolu, K.O**; Idowu, A.B; Olabode, O.A; Olalonye, O; Adelabu, A.B and Atayese, O. (2015). Effect of sterilized cassava leaves (*Manihot esculenta*) on growth and nutritional value of adult variegated grasshopper, *Zonocerus variegatus* (L). *Biological and Environmental Sciences Journal for the Tropics (BEST)* 12(3):117-121. Published by Department of Biological Sciences, Bayero University Kano, Nigeria.
- *†41 Dedeke, G.A; Owagboriaye, F.O; Adebambo, A.O. and **Ademolu, K.O.** (2016). Earthworm metallothionein production as biomarker of heavy metal pollution in abattoir soil. *Applied Soil Ecology* 104:42-47. Published by Elseviers. Available online at www.elsevier.com
- *†42 Bamidele, J.A; Idowu, A.B; **Ademolu, K.O.** and Bankole, S.O. (2016). Diversity, abundance and tissue mineral composition of indigenous earthworm species of sawmills of Abeokuta, South Western, Nigeria. *Munis Entomology and Zoology* 11(1):63-67. Published by Department of Biology, Gazi University, Turkey. Available online at <http://munisentzool.org>
- *†43 Surakat, O.A; Samwobo, S.O; **Ademolu, K.O**; Shittu, O; Adeleke, M.A; Abimbola, W.A.; Adekunle, N.O. and Mafiana, C.F. (2016). Cytospecies composition of *Simulium damnosum* complex (Diptera: Simuliidae) breeding in Oyan River, Southwestern Nigeria. *African Entomology* 24(1): 24-29 . Published by Entomological Society of South Africa. Available online at <http://bioone.org/doi/10.4001>.
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* Publications after the last promotion

† Foreign / International journals

(c) JOURNALS ACCEPTED FOR PUBLICATION

Nil

(d) EDITED CONFERENCE PROCEEDINGS

- 65 **Ademolu, K.O** and Idowu, A.B (2004). Effect of Starvation on some aspects of physiology of *Zonocerus Variegatus*. Proceedings of First International Conference on Science and National Development organized by College of Natural Sciences, University of Agriculture, Abeokuta, Pp75-79. Eromosele, I.C and Popoola, T.O.S (eds). Published by College of Natural Sciences, FUNAAB.

- 66 **Ademolu, K.O** and Idowu, A.B and Dansu, B.M (2006). Morphometric Analysis of *Zonocerus variegatus* during post Embryonic Development. Proceedings of the Second Conference on Science and National Development organized by College of Natural Sciences, University of Agriculture, Abeokuta, October 10th-13th, 2006. Pp150-152. Eromosele, I.C and Popoola, T.O.S (eds) . Published by College of Natural Sciences, FUNAAB.
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- 68 **Ademolu, K.O**; Solomon, O.R; Bamidele, J.A. and Idowu, A.B. (2015). Circadian variation in digestive enzymes and reproductive hormones activities of giant African land snail (*Archachatina marginata*). Proceedings of the 4th International Conference on Giant African Land Snails (GALS), Nnamdi Azikwe University, Awka, Anambra State. 1st- 4th June,2015. Pp 91-97. Okonkwo,J.C, Ebenebe,C.I. and Okonkwo,I.F. (eds). Published by Research Network on Giant African Land Snail (NETGALS).
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* Publications after the last promotion

† Foreign / International journals

(10) MAJOR CONFERENCES ATTENDED WITH PAPERS READ

7th International Conference/workshop on Giant African Land Snails (GALS) organized by Network on Giant African Land Snails (NetGALS), held at the Institute of Agricultural Research and Training, Moor Plantation, Ibadan, Oyo State. 3rd - 7th June, 2018.

- 43rd Annual Conference of Nigerian Society for Plant Protection (NSPP), University of Ibadan, Oyo State. April 22nd-26th, 2018 .
- 6th International Conference/workshop on Giant African Land Snails (GALS). Federal University of Technology, Akure, Ondo State. 4th - 7th June, 2017.
- 51st Annual Conference of Entomological Society of Nigeria (ESN), University of Ilorin, Ilorin, Kwara State. October 10th-13th, 2016.
- 5th International Conference on Giant African Land Snails (GALS). University of Calabar, Calabar, Cross River State. 5th - 8th June, 2016.
- 50th Annual Conference of Entomological Society of Nigeria (ESN), University of Lagos, Akoka, Lagos State. October 6th-9th, 2015.
- 4th International Conference on Giant African Land Snails (GALS). Nnamdi Azikwe University, Awka, Anambra State. 1st- 4th June, 2015.
- 49th Annual Conference of Entomological Society of Nigeria (ESN), University of Abuja, FCT, Abuja. October 7th-10th, 2014
- 3rd International Conference on Giant African Land Snails (GALS). Federal College of Education, Abeokuta, Ogun State. 1st -4th June, 2014
- 48th Annual Conference of Science Association of Nigeria (SAN). Federal University of Agriculture, Abeokuta, Ogun State. 9th-14th June ,2013
- 2nd International Conference on Giant African Land Snails (GALS). Federal University of Agriculture, Abeokuta, Ogun State. 2nd-5th June,2013.
- 1st International Conference on Giant African Land Snails (GALS). Federal University of Agriculture, Abeokuta, Ogun State. 12th-15th February, 2012
- 7th Annual Conference of Zoological Society of Nigeria (ZSN). University of Ibadan, Oyo State. December 4th-7th, 2011
- 42nd Annual Conference of the Entomological Society of Nigeria (ESN), University of Ibadan, Oyo State. October 3rd -7th, 2011.
- 41st Annual Conference of the Entomological Society of Nigeria (ESN), WUSTO, Ondo Town, Ondo State. October 4-7, 2010.
- 3rd International Conference on Science and National Development organized College of Natural Sciences, University of Agriculture, Abeokuta (November, 2008).
- 39th Annual Conference of the Entomological Society of Nigeria (ESN), Umuahia, Abia State. 5th -8th October, 2008.

38th Annual Conference of the Entomological Society of Nigeria (ESN), OAU, Ile-Ife, Osun State. October 7-10, 2007.

2nd International Conference on Science and National Development organized College of Natural Sciences, University of Agriculture, Abeokuta (10-13 October, 2006).

1st International Conference on Science and National Development organized College of Natural Sciences, University of Agriculture, Abeokuta (25-28 October, 2004).

(11) INFORMATION ON FELLOWSHIP, MASTER'S AND PH.D THESIS SUPERVISED

Name of student	Title of thesis	Year of commencement		Supervision status
Ajayi, O.A (PG08/0095) M.Sc	Effects of vehicular exhaust fumes on the physiology of albino rats.	2009	Completed (2011)	Collaborative
Obe, V.O M.Sc	Biochemical and haematological impacts of malarial and HIV infections on Pregnant women in Abeokuta, Nigeria.	2009	Completed (2012)	Collaborative
Surakat, O (PG11/00221) M.Sc	Cytotaxonomy and ecological patterns of <i>Simulium damnosum</i> species complex along Ogun and Remo Rivers Southwest, Ogun State.	2011	Completed (2013)	Collaborative
Adeyi, O.A (PG03/0185) Ph.D	Physiological effects of treatment protocols in the prevention and treatment of aloxan and food induced <i>Diabetes mellitus</i> in albino rats.	2007	Completed	Collaborative
Ayeni, K.S (PG07/0160) Ph.D	Evaluation of heavy metals concentration in domestic fowls in designated factory sites in Ondo and Ekiti states.	2008	On-going (2013)	Collaborative

Esue, S.E. (PG 12/ 0719) M.Sc	Influence of soil hygiene on the physiology of Giant African Land Snail, <i>Archachatina marginata</i>	2012	Completed (2015)	Major
Kehinde, A.T (PG 12/ 0558) M.Sc	Assessment of mites and pests associated with honey bees and their control with botanicals	2012	Completed (2015)	Collaborative
Fagbenro, A.M. (PG12/0557) M.Sc	Effects of co-infestation of <i>Prostenphanus truncates</i> and <i>Tribolium castaneum</i> on damage to maize and control of the insects with botanicals	2013	Completed (2015)	Collaborative
Akinkunmi, O.Y (PG 12/0552) Ph.D	Biology and damage assessment of <i>Epilachna chrysomelina</i> on cucumber and other hosts	2014	On -going	Collaborative
Adeoye, O.T Ph.D	Honeybee species diversity, population dynamics of its pests and control of the greater wax moth with its pheromone	2014	On -going	Collaborative
Kudemepo, C.I. (PG 13/0461) M.Sc.	Control of Flea Beetle <i>Podagrifa</i> spp with use of entomopathogenic bacteria.	2014	Completed (2016)	Collaborative
Surakat, O (PG11/00221) Ph.D	Parasitological and serological assessment of Onchocerciasis after a decade of ivermectin treatment	2013	Completed (2016)	Collaborative
Soyele, O.O (PG12/0520) M.Sc	Antimicrobial susceptibility patterns of microorganisms isolated from street vended coconut samples	2014	Completed (2016)	Collaborative
Yisau, M.A	Comparative study of Avifauna in the Strict Nature Reserve Federal University of Agriculture, Abeokuta	2013	Completed (2017)	Collaborative

Iyeh,C.I. PG15/0190 M.Sc.	Physiological studies on the daily activities of American Cockroaches, <i>P. Americana</i>	2015	Completed 2018	Major
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(12) EXTRA CURRICULAR ACTIVITIES

Reading and listening to music

(13) REFEREES

- 1 Prof. I.C. Eromosele**
Department of Chemistry
Federal University of Agriculture,
P.M.B 2240, Abeokuta,
Nigeria.
- 2 Prof. D.A. Agboola**
Department Pure and Applied Botany
Federal University of Agriculture,
P.M.B 2240, Abeokuta,
Nigeria.
- 3 Prof. A.B. Idowu**
Department Pure and Applied Zoology
Federal University of Agriculture,
P.M.B 2240, Abeokuta,
Nigeria.

Signature

Date

CONTRIBUTIONS TO KNOWLEDGE

1) Postembryonic Development of *Zonocerus variegatus*

The variegated grasshopper, *Zonocerus variegatus* is a major pest that destroys both food and economic crops in Nigeria and little is still known about its biology. My research works on *Z.variegatus* have filled the gap in the understanding of some aspects of the post embryonic development of the pest. My research works have shown that at hatching, the insect is sterile of microbial flora. However, as the insect begins to feed, it acquires microbes from the diet as from the 2nd instar larva and highest amount of microbes was in the gut of the adult (Paper 17). There is a gradual increase in the chemical composition of the somatic tissues (paper 2), size and enzyme activities in the femoral muscles (papers 9 and 18) and hemocytes number and types (paper 12). The lower instars are significantly more nutritive than the adult stage (paper 13) while gut enzymes activities increased from the 1st instar stage to the adult stage (paper 16). The impact of starvation (papers 14 and 58), reproductive activities (paper 20), food plants (paper 26) sex (paper 27) and circadian rhythm (paper 62) on the adult stage displacement activities have also been investigated. The pest status is more evident in the adult female *Z.variegatus* (paper 52) and is more nutritious than the male (paper 58).

2) Giant African Land Snails Studies

Snail growth and flesh composition are significantly influenced by stocking density (paper 1), diets (papers 4 and 34), management systems (paper 21) tentacle removal (paper 32), soil substrates regime (47) and sales points (paper 60). Flesh and haemolymph of black-skinned and albino snails contain different biochemical substances (papers 6, 8 and 19). Also, there are specie and age variations in reproductive tract size (paper 7), albumen gland composition (paper 24), shell size and composition (papers 35 and 47) , epiphragm formation (paper 48) and egg laying pattern (paper 25) with the *Archachatina marginata* laying the biggest eggs and having the most nutritive albumen gland. Aestivation causes significant reduction in femoral muscles and gut enzymes activities (papers 11 and 23). The peak of feeding and locomotor activities in giant African land snail is between 22:00 -24:00 (paper

15) while progesterone and estrogen are responsible for the reproductive cycle in the snail (paper 36). Adult stage of *A.marginata* is better equipped to hydrolyze its numerous diets (paper 54). The nutritive values of the flesh and the visceral mass of *A.marginata* from south west, Nigeria have also been studied (papers 60 and 61).

3) Environmental Studies

My research works in collaboration with others have shown that invertebrates like termites (paper 29), grasshoppers (paper 39), bees(paper 30) , earthworms (paper 31) and snails (paper 55) bioaccumulate heavy metals and are used to assess the pollution status of locations like sawmills, farms and abattoirs .

4) Conservation studies

The laying pattern and hatchability of guinea fowl eggs can be affected by hand collection (paper 3). The body weight of cane rats can be predicted from linear body measurements like head length, body length, hind limb and tail length (paper 10). Sawmills activities influenced diversity and population of earthworms (paper 42).