**RESEARCH FOCUS**

**Area of Specialisation**: Wildlife Genetics and Biodiversity Conservation

My research is aimed at using genetic tools in the management of wildlife resources to

1. Resolve taxonomic uncertainties in order to identify populations that might need special focus in conservation efforts and those that may not.
2. Establish the effects of domestication, spatial distributions and isolation on wildlife populations.
3. Establish a domestication scheme for the edible frog species in Southwestern Nigeria.

**Name:** Oluwakayode Michael **COKER**

**Academic Professional Qualification:** B.Sc., M.Sc., Ph.D.

**Academic Status:** Lecturer II

**Area of Specialization:** Wildlife Genestic and Biodevisity Conservation

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**CURRICULUM VITAE**

**I. (a) Name:** Oluwakayode Michael **COKER**

**(b) Date of Birth:** 21st April 1979

**(c) Department:** Department of Wildlife and Ecotourism Management

**(d) Faculty:** Faculty of Renewable Natural Resources

**II (a) First Academic Appointment:** 2nd April, 2012

**(b) Present post (with date):** Lecturer II (1 October, 2015)

**(c) Date of last Promotion:** 1 October, 2015

**(d) Date last considered:** Not Applicable

**III University Education (with dates):**

1. Obafemi Awolowo University Ile Ife 1999-2005
2. University of Ibadan 2007- 2010
3. University of Ibadan 2011- 2016

**IV Academic Qualification (with dates and granting bodies):**

Bachelor of Science, (B.Sc.), 2005. Obafemi Awolowo University, (OAU), Ile- Ife

Master of Science (M.Sc.) in Wildlife Management, 2010. University of Ibadan

Doctor of Philosophy (Ph.D.) in Wildlife Management, 2016. University of Ibadan

**V Professional Qualifications and Diplomas (with date):**

**2016** Introduction to Bioinformatics (IBT) course, organized by the Pan African Bioinformatics Network for H3ABionet, held between July and October, 2016

# 2015 Field to Database - Biodiversity Informatics and Data Management Skills for Specimen-based Research Workshop, Organised by Integrated Digitized Biocollections (iDigBio), Held at the University of Florida, USA.

**2014** Certificate of participation in Biotechnology Training Programme on Genomic Analyses in Plants, Animals, Fishes, Microbes and Pathogens, organized by the Biotechnology Centre, Federal University of Agriculture, Abeokuta.

**2014** Certificate of participation in the Induction Programme for New Academics-Course 1- Pedagogy of Higher Education, organized by the Centre for Excellence in Teaching and Learning (CeTL)

**2014** Certificate of participation in the short course on Data Analysis and Research Management, organized by the Centre for Sustainable Development (CESDEV), University of Ibadan.

**2014** Certificate of Participation in the Workshop on Research and Grant Writing for Doctoral Students, Organised by the Research Management Office, University of Ibadan, Nigeria.

**2014** Certificate of Completion in Electronic Library Resources Training Workshop on AGORA and TEEL programmes, organized by United Nations Food and Agriculture Organization, Mann Library, Cornell University in partnership with Information Training and Outreach Centre for Africa, ITOCA(South Africa)

**2010** Certificate of Training in Fundraising and Communicating Results, Organized by the Tropical Biology Association, TBA, Cambridge, in Ibadan, Nigeria.

**2010** Certificate of Training in Developing Successful Research Proposals, Organized by the Tropical Biology Association, TBA, Cambridge, and The Nigerian Conservation Foundation, NCF, in Ibadan, Nigeria.

**2008** Certificate in Tropical Ecology and Conservation (Field Course), in Amani Nature Reserve, Tanzania (sponsored by The Tropical Biology Association, TBA, Cambridge & Kenya)

**1998** National Diploma in Science Laboratory Technology (SLT)(Upper Credit)

**VI Scholarships, Fellowships and Prizes (with date) in respect of Undergraduate and Postgraduate work only):**

**2014** 2014/2015 Fulbright Junior Staff Development Programme Scholarship, held in the University of Florida, USA.

**2009**  Ekiti State Scholarship Board for MSc. Students of Ekiti State origin.

**2008** One Month Short Course Grant by the Tropical Biology Association (TBA), Cambridge and Kenya, held at Amani Nature Reserve, Tanzania.

**VII Honours Distinctions and Membership of Learned Societies:**

Winner:American Society of Mammalogists’ Travel Award, 2015

1) Nigeria Conservation Foundation (NCF)

2) Society for Conservation Biology (SCB)

3) Tropical Biology Association (TBA), Alumni

4) Association for Tropical Biology and Conservation (ATBC)

5) American Society of Mammalogists (ASM)

**VIII Details of Teaching/Work Experience:**

1. Assistant Lecturer, University of Ibadan 2012-2015

Lecturer II, University of Ibadan 2015- Date

1. Courses taught at University level

Courses Code Title Unit Undergraduate courses

WEM 321 Wildlife Genetics and Animal Breeding 2(S)

WEM 311 Wildlife Ecology and Management 2(J)

WEM 313 Principle of Conservation in Tropical Africa 2(J)

WEM 318 Introduction to Herpetology 2(J)

WEM 518 Undergraduate Seminar 2(J)

WEM 519 Undergraduate Special Project 4(S)

Postgraduate courses

WEM 723 Wildlife Biotechnology and Genetics 2(S)

WEM 717 Animal Ethology 2(J)

WEM 725 Herpetology 2(J)

**Note:** (J)-Taught jointly

(S)-Taught singly

c) Project Supervision (As at October 2016)

Completed In Progress

B. Sc.: 1 1

M. Sc.: - 3

Administrative Responsibilities:

1. Departmental Undergraduate coordinator 2016- To date
2. Departmental Undergraduate seminar coordinator 2013- 2015
3. Assistant Departmental Undergraduate coordinator 2012-2016
4. Assistant Departmental Time table coordinator 2012-2014
5. Assistant Departmental Undergraduate seminar coordinator 2012-2014

**IX Research**

**(a) Completed:**

i) Patterns of genetic diversity in wild and domesticated cane rats  
 (*Thryonomys swinderianus*) from Southwestern Nigeria (2015)

ii) The External and Internal Morphometry of The Four-Toed Hedgehog (*Atelerix albiventris*; Wagner, 1841)

**(b) In progress:**

1) Genetic and Biochemical characteristics of Four Edible Frogs (*Hoplobatratus occipitalis, Xenopus mulerri, Rana esculentus* and *Ptychadena pumelo*) in South Western Nigeria

2) Food and Feeding Habits of Four Edible Frogs (*Hoplobatratus occipitalis, Xenopus mulleri, Rana esculentus* and *Ptychadena pumelo*) in South Western Nigeria

3) Abundance and Distribution of Pangolin (*Phataginus, Smutsia and Uromanis spp*) in Southwestern Nigeria

**c) Dissertation and Thesis:**

1. Preliminary Studies on Chromosomes and Morphometrics of Three Species of Squirrels (Family Sciuridae) in South Western Nigeria.(BSc. Project, 2005)

ii) Abundance and Distribution of Roan Antelope (*Hippotragus equinus*) in the Old Oyo National Park, Nigeria. (MSc. Dissertation, 2009)

iii) Phenotypic and Genetic Characterisations of Wild and Domestic Cane Rats (Thryonomys swinderianus) In South Western Nigeria (Ph.D.) Thesis

**X Publications**

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

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

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

1. **Coker, O.M**. and Adetoro, A.O. (2013). Abundance and Distribution of Roan Antelope (*Hippotragus equinus*) in the Old Oyo National Park, Nigeria. In Olajuyigbe, S.O., Coker, O.M., Olaleru, F. (Eds.). Sustaining the remaining tropical biodiversity. Proceedings of the 4th annual conference of Nigeria Tropical Biology Association (NTBA), held in University of Lagos, Nigeria on 3rd-4th September, 2013. Pp 83-87.
2. **Coker, O.M**. (2016). Introduced Species and Their Effects on Biodiversity Conservation in Africa. In: Borokini, I.T. and Babalola, F.D. (Eds) MDGs to SDGs: Toward Sustainable Biodiversity Conservation in Nigeria. Conference Proceedings of the Joint Biodiversity Conservation Conference of Nigeria Tropical Biology Association (NTBA) and Nigeria Chapter of Society for Conservation Biology (NSCB) held in University of Ilorin, Nigeria from 20 – 24 June, 2016. Pg 380-386.
3. Oyebola, O.O, **Coker, O.M**, Oche, C, Akanmu, A.O., Alamu, O., and Azuh, V. (2016): 16S DNA barcode sequence produced single nucleotide polymorphism (SNP) markers for discriminating intra - specific and habitat strains of freshwater prawn, *macrobrachium vollenhovenii*. *Book of Abstract*s, 31st Annual Conference, FISON, held at Umar Musa Yar’adua University, Katsina State, Nigeria. 31th Oct. to 3rd Nov. 2016.

**(d) Patents**: Nil

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

4) **Coker, O.M,** Dolotovskaya, S., Buis, J.J., 2015.Wariness, an Adaptive Trait for Survival in Krefft’s Puddle Frog (*Phrynobatrachus kreffti*)*Journal of Tropical Forest Resources.*

5) **Coker, O. M**., Omonona, A.O., Olusegun A Fagbohun, A. O., Pylant, C. and Austin, J. (2017). Genetic structure of wild and domesticated grasscutters (*Thryonomys swinderianus*) from Southwestern Nigeria. *African Zoology*, 52(3)

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

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

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

2017- Maiden Conference of the Wildlife Management Society of Nigeria (WIMSON), held at Federal University of Agriculture Abeokuta, (FUNAAB), Ogun State, Nigeria from September 17-20, 2017

2016- 31st Annual Conference of Fisheries Society of Nigeria (FISON), held at Umar Musa Yar’adua University, Katsina State, Nigeria. 31th Oct. to 3rd Nov. 2016.

**Paper read:** 16S DNA barcode sequence produced single nucleotide polymorphism (SNP) markers for discriminating intra - specific and habitat strains of freshwater prawn, *macrobrachium vollenhovenii*

2016- Joint Biodiversity Conservation Conference of Nigeria Tropical Biology Association (NTBA) and Nigeria Chapter of Society for Conservation Biology (NSCB) held in University of Ilorin, Nigeria from 20 – 24 June, 2016

**Paper read:** Introduced Species and Their Effects on Biodiversity Conservation in Africa.

2015- 95th annual conference of the American Society of Mammalogists (ASM), held in Jacksonville, Florida, USA from 12th to 16th June, 2015.

**Poster Presentation:** Patterns of genetic diversity in wild and domesticated cane rats (*Thryonomys swinderianus*) from Southwestern Nigeria

2013- 4th annual conference of Nigeria Tropical Biology Association (NTBA), held at Julius Berger lecture theatre, University of Lagos, Nigeria on 3rd-4th September, 2013.

**Paper read:** Abundance and Distribution of Roan Antelope (*Hippotragus equinus*) in the Old Oyo National Park, Nigeria