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**DEDEKE, Gabriel Adewunmi.**

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Department: Biological Sciences

Academic Rank: Lecturer I

Current position:

Research Interest:



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## **DETAILED RESUME**

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### **ACADEMIC DEGREES WITH DATE**

- B.Sc (Hons) Zool (Second Class Upper) - 1992
  - M.Sc (Animal Sc) - 1995
  - Ph.D (Applied Zool) - 2009
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### **INSTITUTIONS ATTENDED WITH DATE**

- Ogun State Polytechnic, Abeokuta - 1987 - 1988
  - Ogun State University, Ago-Iwoye - 1988 - 1992
  - University of Ibadan, Ibadan - 1994 - 1995
  - Olabisi Onabanjo University, Ago-Iwoye - 2003 - 2009
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### **MEMBERSHIP OF PROFESSIONAL BODIES**

- Member, The Nigerian Field Society
  - Member, Research Study Group on Bioindicators of Environmental Perturbation, O.O.U.
  - Member, Research Study Group on Ethnobiology, O.O.U
  - Member, Zoological Society of Nigeria
  - Member, The Science Association of Nigeria (SAN)
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### **PRIZES, HONOURS, NATIONAL AND INTERNATIONAL RECOGNITIONS.**

- Overall Best Graduating Student, Department of Biological Sciences, Ogun State Univ-1992
  - Merit Award – University Chapel- 2006
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### **COURSES TAUGHT**

*I have taught and examined courses at undergraduate levels in Zoology and General Biology: Mammalian Body, Animal Diversity, Basics of Biology, General Physiology, Animal Taxonomy, Animal Embryology, Animal Behaviour, Nigerian Animals, Wildlife Ecology and Conservation, Comparative Animal Physiology, Comparative Vertebrate Anatomy, Plant and Animal Biochemistry, Zoology of Domesticated Animals, Zoological Garden, Museum and Park Management, Zoological Arts, Conservation and Environmental Biology.*

*Undergraduate Project Supervision: Fifty (50) Students Supervised till date*

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## RESEARCH CONDUCTED

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## PUBLICATIONS

### *Dissertation/Theses*

- (1) DEDEKE, G.A (1992). Some Herpetofauna Record of Ago-Iwoye. B.Sc Dissertation. Dept of Biological Sciences, Ogun State University.
- (2) DEDEKE, G.A (1995). Preservation Capacity of Honey on West African Dwarf Buck Semen stored under ambient temperature. M.Sc Thesis. Dept of Animal Science, University of Ibadan.
- (3) Dedeke, G.A (2009). Nutritional Analysis of four earthworm species and evaluation of *Eudrilus eugeniae* and *Libyodrilus violaceus* as dietary supplement in *Clarias gariepinus* fingerling nutrition. PhD Thesis. Dept of Plant Science and Applied Zoology, Olabisi Onabanjo University, Ogun State, Nigeria

### (ii) *Contributions to Books/Monographs*

- (1) BANJO, A.D., **DEDEKE,G.A.**, LAWAL.,O.A and OLOJO, E.A.A (Edts.). Basics of Animal Diversity (2000). Vebric Publications, Ogun State.
  - i. **DEDEKE,G.A and OLOJO,E.AA.** Chordates (chapt.16)
  - ii. **DEDEKE,G.A.** Amphibians (chapt. 19)
  - iii. **DEDEKE,G.A.** Reptilia (chapt. 20)
  - iv. SODEINDE, O.A **and DEDEKE,G.A.** Aves (chapt. 21)
  - v. SODEINDE, O.A **and DEDEKE,G.A** Mammalia (chapt. 22)
- (2) OWA, S.O., **DEDEKE,G.A.**, OLOJO,E.AA and AGBOLADE, O.M (Edts). Workbook on Basics of Biology (2000). Vebric Publications, Ogun State.

- (3) OWA, S.O., **DEDEKE, G.A.** and FAFIOYE, O.O and OLOJO, E.A.A (2000). Outline of Modern Classification of Animals. Fortune Publications and Press. Ibadan.

(iii) **Published Journal Articles**

- (1) **DEDEKE, G.A** and EGBUNIKE, G.N (2002). Effect of honey on West African Dwarf Buck Semen, stored under ambient condition, in citrate-glycine and Illinois variable temperature buffers. *Bioscience Research Communications* 14(4):419-423. Nigeria
- (2) SODEINDE, O.A., **DEDEKE, G.A.**, ONIYIDE, O.O., ADEJUMO, A.S and ADEKOYA, O.M (2002). Haematological values of helmeted turtle, hinged-back tortoise and monitor lizard. *Bioscience Research Communications* 14(4): 425-429. Nigeria
- (3) OWA, S.O., MOREYIBI, H.O. and **DEDEKE, G.A.** (2002). Worm casting as Initiators of Thermal and Nutrient Convection current. *African Journal of Science and Technology*. 3(1&2):6-7. Nigeria
- (4) OWA, S.O., MOREYIBI, H.O., **DEDEKE, G.A.** and Yeye, J.A. (2002). Earthworm Cast Characteristics under bahama grass and the question of why earthworm cast. *African Journal of Science and Technology*. 3(1&2):33-35. Nigeria
- (5) OWA, S.O., **DEDEKE, G.A.**, MORAFA, S.O.A and YEYE, J.A (2003). Abundance of earthworm in Nigerian ecological zones: Implication in sustaining fertilizer-free soil fertility. *African Zoology Journal* 38(2): 235-244. South Africa.
- (6) BANJO, A.D., LAWAL, O.A., OWOLANA, O.A., OLUBANJO, ASHIDI, J.S., **DEDEKE, G.A.**, SOEWU, D.A., OWA, S.O., and SOBOWALE, O.A (2003). An Ethno-zoological survey of insects and their allies among the Remos (Ogun State) South Western Nigeria. *Indilinga: Journal of Indigenous Knowledge Systems* 2(1): 61-68. South Africa
- (7) OWA, S.O., MOREYIBI, H.O., **DEDEKE, G.A.**, OLOJO, F.O., and FASUNWON, O.O. (2004). Earthworm Created micro-environment around roots of lowland rice. *Journal of Science, Engineering and Technology* 11(1): 5261-5270. Nigeria

- (8) OWA, S.O., MOREYIBI, H.O., MORAFA, S.O.A and **DEDEKE, G.A.** (2004). Contribution of Earthworms to soil Temperature and its physicochemical implication on crops. *Journal of Science, Engineering and Technology* 11(1): 5343- 5350. Nigeria
- (9) **DEDEKE, G.A.**, SOEWU, D.A., LAWAL, O.A and OLA, M (2005). Pilot Survey of Ethnozoological utilization of Vertebrates in Southwestern Nigeria. *Indilinga: Journal of Indigenous Knowledge Systems* 5(1):87-96. South Africa
- (10) **DEDEKE, G.A** and ABAYOMI, Felix. (2006). Ethnozoological Trade and Practices among the Ijebu people of Southwestern Nigeria: and the Impact on some Mammalian species. *Indilinga: Journal of Indigenous Knowledge Systems* 5(2):175-187. South Africa
- (11) OWA, S.O., PETER, S., **DEDEKE, G.A.** and ALADESIDA, A.A. (2008). Effect of light colour and Oscillator frequency on earthworm bioactivity. *African Journal of Agricultural Research*. 3(1): 29-36
- (12) OWA, S.O., MOREYIBI, O.H., **DEDEKE, G.A.**, MORAFA, S.O.A., SENJOBI, B.A., ODUNBAKU, O.A and ALADESIDA, A.A (2008). Effect of over-seasoned earthworm products on seed germination: Implication for early rain cropping. *Research Journal of Applied Sciences*. 4(6): 683-687 (13)
- DEDEKE, G.A** and OMOTOSO, O.R. (2008) Impact of Non-Point Pollutants on the Physicochemistry of Orelope Stream, Onabamiro, Ago-Iwoye, Southwest Nigeria. *Research Journal of Agriculture and Biological Sciences*. 4(3):251-256 (14)
- DEDEKE, G.A.**, ALADESIDA, A.A. and AKINOLA, O.A. (2009) Growth performance of *Alma millsoni* fed with brewer's dried grain (BDG) and coconut husk. *Journal of Cell and Animal Biology* 3(5):067-070 (15)
- AINA, S.A., BANJO, A.D., LAWAL, O.A., OKOH, H.I., AINA, O.O. and **DEDEKE, G.A.** (2009) The Toxicity of Extracts of *Tetrapleura tetraptera* (Aridan), *Delonix regia* (Flame of the forest) and *Raphia vinifera* (Raffia palm) on the larvae of *Anopheles gambiae*. *Academic Journal of Entomology* 2(2): 67-70 (16)
- DEDEKE, G.A.**, OWA, S.O. and OREFUWA, O.O. (2009)

Partitioning of Muscle masses in African Bullfrog, *Dicroglossus occipitalis* and African Clawed Toad, *Xenopus tropicalis*. *Afro-Euro Centre for Development Studies: Insights on Science and Technology*. ISBN 978-84-612-8473-3 [Agencia Espanola ISBN]

#### **D. Papers Accepted for Publication**

- (1) OWA, S.O., **DEDEKE, G.A.**, YEYE, J.A. and OLOJO Feyisayo. Useful Potentials of Earthworm Activities to Control Erosion and Desert Encroachment in the Low and Short Rainfall Region of Nigeria. Accepted in *Journal of Science, Engineering and technology* (JSET). 2007.
  - (2) OWA, S.O., MOREYIBI, O.H., **DEDEKE, G.A.**, MORAFA, S.O.A., SENJOBI, B.A., and ALADESIDA, A.A. Partitioning of Chemical and Physical effects of earthworms on Growth Performance of the Vegetable *Amaranthus*. Accepted in *Australian Journal of Basic and Applied Sciences* (Manu. No. 1132-AJBAS). Dec, 2007
  - (3) OWA, S.O., OSHO, B.A., ALADESIDA, A.A. and **DEDEKE, G.A.** Microbial Multiplication in the Gut of Earthworms. Accepted in *Discovery and Innovation Journal* (B1/MSS/4012). July, 2009
  - (4) **DEDEKE, G.A.**, OWA, S.O. and OLURIN, K.B. Macromineral Profile of four species of earthworm *Hyperiodrilus africanus*, *Eudrilus eugeniae*, *Libyodrilus violaceus* and *Alma millsoni* from Nigeria. Accepted in *Current Research Journal of Biological Science* (Manu. No 283-CRJBS-DOI). Sept 2009.
  - (5) **DEDEKE, G.A.**, OWA, S.O. and OLURIN, K.B. Amino acid profile of four earthworm species from Nigeria. *Agricultural and Biological Journal of North America* (Manu. No ABJNA-9104). Nov, 2009.
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