



LAGOS STATE UNIVERSITY, OJO CURRICULUM VITAE

1. **Name** SOKEFUN Olusola Bolarinwa
2. **Faculty/Department** Science/Zoology and Environmental Biology
3. **Place and Date of Birth** 05/10/1968
4. **Sex** MALE
5. **Nationality** Nigerian?
6. **State of Origin/Local Government Area** Ogun/Ijebu North
7. **Marital Status** Married
8. **Number and Ages of Children** Number (4); Ages (2,7,7,9)
9. **Residential Address** 9 MAKANJUOLA STREET OFF AGBEBI JUNCTION, IJESHATEDO SURULERE LAGOS
10. **Address for Correspondence** 9 Makanjuola Street Off Agbebi Junction, Ijeshatedo Lagos Nigeria
11. **Phone Number(s)** 09033999999
12. **Institutional Email Address** osokefun@gmail.com

13. **Educational Institutions Attended with Dates**

| DATES | INSTITUTIONS |
|-----------|---|
| 2009-2015 | Federal University of Agriculture, Abeokuta, Ogun State, Nigeria |
| 1992-1994 | University of Ibadan, Department of Animal Science, Ojo Ibadan , Oyo State, Nigeria |
| 1986-1991 | Lagos State University, Ojo Lagos, Nigeria |

14. **Academic Qualifications with Dates**

| DATES | QUALIFICATIONS |
|-------|---|
| 2015 | Ph.D in Fish Genetics |
| 1994 | M.Sc in M.Sc Animal Breeding and Genetics |
| 1991 | B.Sc in B.Sc Zoology |
| 1985 | General Certificate of Education in GCE O/L |

15. **Professional Qualifications/Certifications with Dates**

| DATES | QUALIFICATIONS/CERTIFICATIONS |
|-------|--|
| 2020 | Certificate of Participation awarded by Estación Biológica de Doñana |

16. **Training Programmes Attended with Dates**

| DATES | PROGRAMMES |
|-------------------------|---|
| 26/01/2020 - 20/03/2020 | The winter 2019- 2020 “Conservation Genetics in the Tropics” <i>organized by</i> Spanish Junta de Andalucia , Conservation and Evolutionary Genetics Group Estación Biológica de Doñana Consejo Superior de Investigaciones Científicas |
| 30/01/2017 - 10/02/2017 | Training on commercial tissue culture operation and virus indexing and genetic fidelity testing of tissue culture plants <i>organized by</i> Biotech Consortium India Limited (BCIL), New Delhi, India |
| 04/07/2010 - 07/01/2011 | First Level Distance Learning Master in Biosafety in Plant Biotechnology. <i>organized by</i> United Nations Industrial Development Organisation, Vienna, Austria |



LAGOS STATE UNIVERSITY, OJO CURRICULUM VITAE

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|-------------------------|---|
| 01/06/2003 - 03/06/2003 | International Symposium on HIV/AIDS Workplace Policies and Programmes in Developing Countries <i>organized by</i> Deutsche Gesellschaft fur Technische Zusammenarbeit (GTZ) |
| 19/09/1994 - 14/10/1994 | Animal Production in the 21st Century <i>organized by</i> Junta De Andalucia, Consejeria de Agricultura Y Pesca, Cordoba, Spain |
| 30/05/1994 - 03/06/1994 | Computer Appreciation <i>organized by</i> Resourcery Limited for WHO Nigerian Office |

17. **Honours, Distinctions and Membership of Learned Professional Bodies/Societies**

Membership of Professional Bodies

1. 2014 - Member (Full) - The International Biogeography Society
2. 2005 - Member (Full) - UN ICT Task Force for Africa
3. 2004 - Nigerian Focal (Coordinator) - UN International Youth Nuclear Congress
4. 2003 - Member (Full) - Network of Tropical Aquaculture and Fisheries Professionals (NTAFP)
5. 2000 - Member (Full) - International Society for Animal Genetics

18. **Work Experiences with Dates**

| DATES | EXPERIENCES |
|-------|-------------|
|-------|-------------|

Work Experience in the University

| | |
|----------------|--|
| 2018 till date | Zoology and Environmental Biology, Lagos State University, Ojo - Zoology: Zoology for B.Sc Programme. <u>Designation: Lecturer I</u> |
| 1996 - 2003 | Zoology and Environmental Biology, Lagos State University, Faculty of Science - Zoology: Zoology for B.Sc Programme. <u>Designation: Assistant Lecturer</u> |
| 1995 - 1996 | Animal Production and Fisheries, Lagos State Polytechnic, School of Agriculture - ANS: Animal Production for OND , HND Programme. <u>Designation: Lecturer III</u> |

19. **Details of Administrative and Leadership Experience in the University System with Dates**

| DATES | EXPERIENCES |
|-------|-------------|
|-------|-------------|

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|------------------------|---|
| May/2002 - August/2004 | Member , Faculty of Science Committee on the Environment Lagos State University, Faculty of Science |
| May/2002 - August/2004 | Member , Committee on Linkages Lagos State University, Faculty of Science |

20. **Theses/Dissertations Supervised with Dates**

PROJECTS

| DATES | TOPIC | INSTITUTION |
|-------|--|---|
| 2016 | Phylogeny of the invasive Mosquito <i>Aedes albopictus</i> | Zoology and Environmental Biology, Lagos State University, Faculty of Science |
| 2014 | Morphometry of the Atlantic ghost crab <i>Ocypode quadrata</i> from the Badagry Lagoon | Zoology and Environmental Biology, Lagos State University, Faculty of Science |
| 2010 | Morphometry classification of <i>Macrobrachium</i> species in Southern Nigeria river drainage system | Zoology and Environmental Biology, Lagos State University, Faculty of Science |
| 2007 | Conchological Studies of the giant land Snail | Zoology and Environmental Biology, Lagos |



LAGOS STATE UNIVERSITY, OJO

CURRICULUM VITAE

Archachatina maginata

State University, Faculty of Science

21. **Thesis/Dissertation/Project**

| DATES | DETAILS |
|-------|---------|
|-------|---------|

THESES

2015 **TITLE:** Phylogeny, Phylogeography and Population Structure of the large river Prawns, *Macrobrachium* species, (Bates 1868) in Southern Nigeria drainage system
INSTITUTION: Federal University of Agriculture, Abeokuta, Ogun State Nigeria

DISSERTATION

1994 **TITLE:** Morphometric Characterization of the Trypanotolerant Cattle N'dama (*Bos indicus*) in Western Nigeria
INSTITUTION: University of Ibadan, Ibadan, Oyo State, Nigeria

PROJECTS

1990 **TITLE:** Cytogenetic Effects of the Herbicides Round-Up and Hydrated Copper Sulphate on the root tip cells of Onions (*Allium cepa*).
INSTITUTION: Lagos State University, Ojo Lagos

22. **Listing of Academic Publications**

PUBLISHED CHAPTERS

- i. TIWARI. Nalini., LONE. R. Azhar., Thakur. S. Samrendra., SOKEFUN. B.Olusola & Yadav Shweta, (2021), "Earthworms: A Contrivance to Ameliorate Water Infiltration Rates and Water Holding Capacity in Agroecosstem.", 147-170 in *Earthworm Engineering and Applications*, edited by Adarsh Pal Vig, Jaswinder Singh & Surendra Suthar, New York:Nova Science Publishers.

JOURNAL ARTICLES

- i. LONE, A.R., S.S. THAKUR, N. TIWARI, O.B. SOKEFUN &S. YADAV., (2021), "Diesentagling earthworm taxonomic stumbling blocks using molecular markers.", *Journal of Threatened Taxa*, Vol. 13, Issue 11, Pp. 1-14 , DOI: doi.org/10.11609/jott.6.13.11.xxxx.xxxx
- ii. SINGH. Kiran., SOKEFUN. B Olusola & YADAV. Shweta, (2021), "A Compendiuos Prospective about Biogenesis of Nanoparticles and their Persuasions", *Asian Journal of Chemistry*, Vol. 34, Issue 4, Pp. 793-806 , DOI: https://doi.org/10.14233/ajchem.2022.23523
- iii. SOKEFUN, Olusola Bolarinwa and GIWA, Abdulazeez Olabode, (2018), "MITOCHONDRIAL CO1 GENE SEQUENCE VARIATION AND THE TAXONOMIC STATUS OF THREE MACROBRACHIUM SPECIES IN NIGERIA", *Animal Biology and Husbandry , International Journal of the Bioflux Society*, Pp. 234-244 .
- iv. SOKEFUN, Olusola Bolarinwa and GIWA, Abdulazeez Olabode, (2018), "MOLECULAR PHYLOGENY OD THE GENUS JUNONIA (LEPIDOPTERA:NYMPHALIDAE) A RING SPECIES FROM FOUR CONTINENTS BASED ON THE CO1 BARCODING GENE", *International Journal of Biology*, Pp. 1-14 , DOI: 10.5539/ijb.v10n3pxx
- v. SOKEFUN, Olusola Bolarinwa and GIWA, Abdulazeez Olabode, (2017), "THE CICHLID 16S GENE AS A PHYLOGENETIC MARKER: LIMITS OF ITS RESOLUTION FOR ANALYZING GLOBAL



LAGOS STATE UNIVERSITY, OJO CURRICULUM VITAE

RELATIONSHIP", *International Journal of Genetocs and Molecular Biology*, Pp. 1-7 , DOI: 10.5897/IJGMB2016.0131

- vi. OGUNLARU, Kafayat. A., SOKEFUN, Olusola. B., OWODEINDE, Fatai. G., AKINTOLA, Shehu. L. and ADEWOLU. Morenike.A, (2009), "EMERGING RESEARCH PRIORITIES FOR THE AQUACULTURE SECTOR IN SUB-SAHARAN AFRICA - A CASE STUDY OF NIGERIA", *AACL Bioflux*, Pp. 407-424 .

REFERRED CONFERENCE PROCEEDINGS/ABSTRACT VOLUME

- i. SOKEFUN, Olusola Bolarinwa, (2007), "THE SUSTAINABILITY OF WASTE DISPOSAL: POLLUTION OF GROUNDWATER BY LEACHATES FROM OLD BURDENS (DUMPSITE)" in *XXXV Congress of the International Association of Hydrogeologists - Ground Water and Ecosystem*, Portugal: Portuguese Chapter of IAH.
- ii. SOKEFUN, Olusola Bolarinwa, (2005), "Discrimination of *Pseudolithus senegalensis* (Valenciennes, 1833) and *Pseudolithus elongatus* (Bowdich, 1825) using statistical classifiers applied to morphometric data" in *International Conference on Fisheries*, Belgrade: Faculty of Agriculture, University of Belgrade and Akvaforsk Institute of Aquaculture Research AS, Norway.
- iii. SOKEFUN, Olusola Bolarinwa and OGUNLARU, Adetoun K, (2003), "The role of private sector participation in sustainable portable water availability ; the Lagos scenario" in *Eight BNAWQ Scientific and Practical Conference / Fifth Seminar on Private Participation in Water Supply and Sewerage Services*, Bulgaria: Bulgarian National Association for Water Quality.
- iv. SOKEFUN, Olusola Bolarinwa and ASHAFU, Adebayo, (1997), "The Indigenous Poultry of Nigeria; Productivity in specific areas and genetic distance studies" in *Issues in Family Poultry and Development Research*, Senegal: International Network for Family Poultry Development.

23. **Research Interest**

Biosafety, Bioinformatics, Genetics and Molecular Systematics: The recent developments in the application(s) of technology to life for the improvement of living in recent years have been tremendous. This has necessitated a convergence of many typically independent aspects of science to make useful meaning of the ever increasing data available to scientist. Bioinformatics is a central science that merges biochemistry, genetics, mathematics and computer science to make a meaning of the plethora of data currently available to scientists for a better understanding of life, diseases and their causative agents, harnessing breed difference for improved quality plants and animals and tracing the relationship within and between species. As the population of the world ages, there are evidences of an increased genetic load due to closer intra and interbreeding of life including Man. The science of genetics is currently being deployed in countries where the government is serious about education and the facilities are available. Since we really cannot do much in terms of research, I am involved deeply in priming the upcoming science students on the possibilities that this science offers just maybe this will drive them to want to take a deeper look and interest in this special area of science. My research focusses on the understanding of population level relationship, proper classification of species, their biogeography and the harnessing of these similarities / differences in the improvement of species that are important to Man as food.

24. **Research in Progress**

1 **Characterization and Barcoding of the Nigerian Cattle Ticks Population**

Ticks are Hematophagus insects that are next only to Mosquitoes in terms of the havoc they wreck in the animal production enterprise. Nigeria is no exception to the plague that this group of insects cause especially because of the migratory nature of the Cattle production system. With migration in large populations also comes the ill of being exposed to large



LAGOS STATE UNIVERSITY, OJO CURRICULUM VITAE

numbers of Ticks which have a breeding cycle that is in synchronous with the grazing of Cattle. Little knowledge currently exists at the molecular level about the molecular structure of the Nigerian Tick population. Most works at their characterization have depended on the use of morphological characters which are highly plastic to describe their population. My current research work seeks to use molecular techniques and the universally used CO1 gene segment to characterize and Barcode the Nigerian Cattle Tick population creating current and updated knowledge these very important group of insects.

25 **Research Collaboration Experience**

- 2018 The burden of diseases borne by Ticks is a major challenge to the animal production enterprise in Nigeria. Scanty details about the phylogeny, phylogeography, population structure and the pathogens of zoonotic importance in the Cattle breeds found in Nigeria exists. Further, the types, species, distribution, breed preferences and inter-relationship within and between the Tick population is also scanty. I am working with Professor Sassera Davide of the University of Pavia, Italy as a post doctoral student.[**University of Pavia, Italy**]
- 2017 I am working on the revitalization of the Banana, Plaintain and Pineapple farming in Nigeria. BCIL are partners in the project, providing technological back up for the provision of micropropagated plants for the establishment of plantations in Nigeria.[**Biotechnology Consortium of India**]
- 2010 Under the guidance and supervision of Professor Massimo FEDERICO, I attended training necessary for documenting all aspect necessary for the development of suitable data and biopsy banking of the many Cancer types[**Cancer Registry Development at the University of Moderna, Italy Cancer Registry**]
- 1998 Phylogeny, Phylogeography and Population Structure of the large river Prawns Macrobrachium species in the Southern Nigeria river drainage system.[**Simon F S Li Marine Sciences Laboratory, Chinese University of Hong Kong, Shatin, Hong Kong**]

26 **Conferences/Workshops attended and papers presented with dates**

- 1 (2020): Global Forum for Food and Agriculture on 16 – 17 January 2020 in Berlin, Germany.
- 2 (2019): UN-SPIDER Bonn International Conference “Space-based Solutions for Disaster Management in Africa: Challenges, Applications, Partnerships”, to take place from 6 to 8 November on the UN Campus in Bonn, Germany..
- 3 United Nations Office of Outer Space Affairs (UN SPIDER) Bonn, Germany, **United Nations International Conference on Earth Observation - Global Solutions for the Challenges of Sustainable Development in Societies at Risk**. (2015): Earth observation has recently become a very pivotal tools in the sustainable development with applications varying from environment, agriculture, health, disaster management and abatement to mention just a few. My interest in the attainment of sustainable development spurs my interest in how vivid satellites can picture the situation on Earth as we work towards solving the myriads on problems plaguing the developing world..
- 4 United Nations Office of Outer Space Affairs (UN Spider Office) Bonn, Germany, **Expert Meeting on Space based Information for Flood and Drought Risk Reduction**. (2014): My working with the Ministries of Environment and Physical Planning in both Lagos and Ogun State and the attendant flood that follows the rain in most of the South western part of Nigeria are issues that are of concern to me. Space based information present a new vista as Man battles the vagaries of Earth Warming. It presents clearer picture at all times of the land use



LAGOS STATE UNIVERSITY, OJO

CURRICULUM VITAE

patterns and the debilitating effects of the unplanned settlements around city centers. From Space the true situation is much much more clear, so planning and abatement is better planned..

- 5 Consejeria de Agricultura Y Pesca, Junta de Andalucia, Cordoba, Spain, **Animal Production in the 21st Century**. (1994): Animal production to meet the ever increasing populations need for protein has in leaps and bounds advanced in the developed North. The South where the population is largest has been critically left behind. The conference pictured the reality in the mid 1990's and also projected the salient gaps that must be filled if we are going to be able to feed our teeming population. The many recent advances in animal production in the developed world and the possibilities of a transfer of technology was the focus of the conference..

27 Extra-Curricular Activities

- 1 Consultant, Scientific Animations Without Borders.
- 2 Resource Person - The Public Service Staff Development Centre (PSSDC).
- 3 Mentoring (Academic and Social).

28. Scholarship and Prizes at University, Secondary or Technical Level Only

| DATES | PRIZES |
|-------|--|
| 2020 | Scholarship [Spanish Junta de Andalucia Scholarship]for Participation in the Two Month Training in Conservation Genetics in the Tropics (January - March 2020 |
| 1994 | Scholarship [Spanish Junta de Andalucia Post Graduate Diploma Scholarship]for Participation in the course ' Animal Production in the 21st Century' |

29 Referees

- 1 **PROFESSOR MARTINS AGENUMA ANATHEKHAI**
Fisheries,Lagos State University, Ojo Lagos
Department of Fisheries, Lagos State University, Ojo, Lagos, Nigeria
anetekhaimartins@gmail.com
08034466021
- 2 **PROFESSOR SUNDAY CLEMEN MAKINDE**
Botany,Lagos State University, Ojo
Department of Botany, Lagos State University, Ojo
scmakinde@yahoo.com
08033277358
- 3 **PROFESSOR SAMUEL OLU OTUNBUSIN**
Aquaculture and Fisheries Management,Federal University of Agriculture, College of Environmental Resources Management
College of Environmental Resources Management, Federal University of Agriculture, Abeokuta, Ogun State, Nigeria
samotubusin@yahoo.com
08034869816

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Signature
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