



AYINLA, Abdul'Aziz

B.Sc., M.Sc., Ph.D.(Ilorin), PDE

Contact

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Professional Details

- **Present Rank:** - Senior Lecturer
- **Area of Specialization** - Plant Ecophysiology and Biochemistry
- **Unit :** - Biology Programme
- **Department:** - Biological Sciences
- **Faculty :** - Natural and Applied Sciences

Research Interest

- Plant Water Stress Physiology and Biochemistry
- Plant Salinity Stress Physiology and Biochemistry
- Plant Nutrition
- Plant Enzymes Kinetics
- Food Science and Nutrition
- Food Security

BIODATA

- Date of birth: - 23rd June, 1988
- Place of birth - Sokoto State
- Local government of origin - Moro L.G.A.
- State of origin - Kwara
- Nationality - Nigerian
- Religion - Islam
- Marital Status - Married
- Spoken languages - English, Yoruba, Hausa and Arabic.

Summary

A category “A” registered and licensed member of the Teacher’s Registration Council of Nigeria who has taught over twenty (20) undergraduate courses across General Plant Biology and Basic Zoology as well as six (6) Graduate Courses in Plant Physiology and Plant Biochemistry. Had a major research break through involving a successful mitigation of water-deficit stress effects in a stress-sensitive rice variety grown in a region of Nigeria experiencing hot climate, erratic and inadequate rainfall. Also mentored and co-supervised several graduate and undergraduate students in Plant Ecophysiology and Biochemistry with focus on salinity and water deficit stress.

Skill Highlights

- Proficient in *in-vitro* salinity and water-deficit stress analysis in plants
- Efficient team leader in collaborative scientific research
- Efficient use of scientific analytical software like Origin, SPSS etc..
- State-of-the-art information and communication technology compliant lecture delivery techniques
- Effective use of student-centered approach to teaching of undergraduate courses in General Plant Biology and Basic Zoology
- Exceptional ability to teach graduate courses in Plant Physiology and Plant Biochemistry
- Remarkable ability to design experimental research work that seek to solve an immediate or long term societal problem(s)
- Exceptional ability to prepare, train and mentor graduate students of the 21st Century for future challenges and research

Certificates and Qualification(s) with Date

Qualification/ Certificate(s)	Institution	Period
Professional Diploma (Education)	College of Education Ilorin	2019 - 2020
Ph.D. (Plant Biology)	University of Ilorin, Nigeria	2015 - 2019
M.Sc. (Plant Biology)	University of Ilorin, Nigeria	2012 – 2015
Certificate of National Service	National Youth Service Corps	2011 - 2012
B.Sc. (Plant Biology)	University of Ilorin, Nigeria	2007 - 2011
SSCE	G.U.S.S, Malumfashi, Katsina State	2000 - 2006
Arabic and Islamic studies certificate	Ansaru-deen Arabic and Islamic college	1998 - 2003

Cognate Post-doctoral Qualification Administrative Experience

(i) University based:

1. Sub-Dean, Student Affairs, Al-Hikmah University, Ilorin. (2023 - date)

(ii) Faculty based:

2. Examination Officer, Faculty of Natural and Applied Sciences (2020 - 2023)

(iii) Departmental based:

3. SIWES Coordinator, Biology Programme (2021 - date)
4. Project Coordinator, Biology Programme (2022 - date)
5. Seminar Coordinator, Biology Programme (2022 - date)
6. Field Course Coordinator, Biology Programme (2022 - date)
7. Member, Research & Ethical Committee (2021 - 2022)
8. Secretary, Quality Assurance Committee (2021 - 2022)
9. Member, Laboratory Management Committee (2021 - 2022)
10. Academic Board Secretary (2020 - date)
11. Academic Adviser (400 level Biology Programme) (2022 - date)
12. Academic Adviser (300 level Biology Programme) (2021 - date)
13. Academic Adviser (200 level Biology Programme) (2020 - date)
14. Academic Adviser (100 level Biology Programme) (2021 - date)

Work Experience

- Senior Lecturer, Department of Biological Sciences, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria 2020-Date
- As Lecturer I, Department of Biological Sciences, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria 2020-2023
- As a Visiting Lecturer, Faculty of Education, University of Ado-Ekiti Continuing Education Center affiliated with Kwara state College of Education, Ilorin, Nigeria. 2018-Date
- As an Associate Lecturer, Department of Science Education, Faculty of Education, Al-Hikmah University, Igbaja campus, Kwara state of Nigeria. 2016-Date
- As an Information Technology Officer, Adamawa State Judiciary, Sharia Court of Appeal Yola, Adamawa state of Nigeria. 2011-2012
- Industrial training at the Ministry of Agriculture and Natural Resources (MANR) Ilorin Kwara state. 2010

Community Development Services

- As the Executive Secretary, Ambali Adebayo Community Development Association, Ambali-Adebayo street, off Ibrahim Taiwo road, Ilorin, Nigeria. 2016-Date
- As the Executive secretary, flamingo 1 substation 373 transformer replacement ad-hoc committee, Salvation Community, Stadium road, Ilorin, Nigeria. 2017
- Appointed as a Poll Clerk by Independent National Electoral Commission (INEC) for a national assignment 2012
- Biology, Chemistry, Physics and mathematics tutor at Majidadi Tutorial Center, Malumfashi L.G.A. Katsina state. 2005-2006

Membership of Academic Societies

- Botanical Society of Nigeria (BOSON)
- Teachers Registration Council of Nigeria
- Society for the Conservation of Phytosfuel and Sciences
- Nigerian Society of Biochemistry and Molecular Biology (NSBMB)

Courses Taught in The Last Three Years

(a) At the Undergraduate Level:

1. BGY 103: Experimental Biology I (1 credit unit)
2. BGY 104: Experimental biology II (1 credit unit)
3. BGY 105: Animal Diversity; Forms and Functions (3 credit units)
4. BGY 106: Plant Diversity; Forms and Functions (3 credit units)
5. BGY 201: Basic Invertebrate Zoology (3 credit units)
6. BGY 202: Chordate Zoology (3 credit units)
7. BGY 203: Introductory Developmental Cell Biology (3 credit units)
8. BGY 204: Systematics and Morphology of Seed Plants (3 credit unit)
9. BGY 207: Biological Techniques (2 credit units)
10. BTN 221: Seedless Plant (2 credit units)
11. BGY 302: Parasitology (3 credit units)
12. BTN 306: Plant Physiology (3 credit units)
13. BGY 311: Genetics II (3 credit units)
14. BGY 321: Evolution (2 credit units)
15. BGY 352: Basic Entomology and Pest Control (2 credit units)
16. BTN 321: Plant Ecology (3 Credit units)
17. BTN 324: Plant Reproduction (2 credit units)
18. ZLY 323: Animal Ecology (3 credit units)
19. ZLY 328: Animal Physiology (2 credit units)
20. BGY 402: Cytogenetics of Plants (3 credit units)
21. BGY 412: Conservation of Natural Resources (2 Credit unit)
22. BGY 413: Soil Sciences (2 credit units)
23. BTN 482: Plant Tissue (2 credit units)

(b) At the Postgraduate Level:

1. PLB 652:- Plant Growth and Development (4 Credit unit)
2. PLB 653:- Plant Water Relation (4 Credit unit)
3. PLB 654:- Mineral Nutrition and Organic Transportation in Plants (4 Credit units)
4. PLB 655:- Plant Biosynthesis (4 Credit unit)
5. PLB 656:- Plant Catabolism (4 Credit unit)
6. PLB 657:- Enzymology (3 Credit unit)

PUBLICATION(S)

(A). JOURNAL ARTICLES

Home-based publication

1. Nurudeen, Q. O., Salahudeen, T. O., Salimon, S. S., **Ayinla, A.**, & Falana, M. B. (2021). Safety Evaluation of the aqueous extract of *Lecaniodiscus cupanioides* roots in male wistar rats. *The Nexus (Science Edition)*, 1(1), 8-16. Published by Al-Hikmah University, Ilorin. Available online at https://alhikmahuniversity.edu.ng/centralJournal/my_portal/user/event/bookUrl275.pdf

National Publications

2. Olayinka, B.U., Lawal, A.R., Abdulbaki, S.A., **Ayinla, A.**, Oladokun, L.T., Udo, O.F., Akinwumi, M.A. & Etejere, E.O. (2019). Bio-productivity and grain quality of two cowpea varieties in relation to frequency of hand weeding. *Journal of Applied Sciences and Environmental Management*, 23(6), 1013-1020. Published by the Department of Pure and applied chemistry, University of Port Harcourt, Nigeria. Available online at <https://www.ajol.info/index.php/jasem/article/view/188256>
3. Olayinka, B.U., Ademolu, O.O., Akinwunmi, M.A., **Ayinla, A.** & Etejere, E.O. (2019). Comparative studies of growth, yield and bulb quality of two onions (*Allium cepa* L.) varieties. *Futa Journal of Research in Science*, 15(2), 183-191. Published by the Federal University of Technology Akure, Nigeria. Available online at <https://journals.futa.edu.ng/home/paperd/1254/70/9>
4. Olayinka, B. U., Abdulkareem, K. A., **Ayinla, A.**, Adeniran, A S., Adigun, B.A., Sagaya, A., Bashiru, B.T., AbdulBaki, A.S. & Etejere, E.O. (2019). Growth performance of kenaf (*Hibiscus cannabinus* var. tainung) in relation to sowing depths and soil types. *Jewel Journal of Scientific Research*, 4(1&2), 131–139. Published by Federal University of Kashere-Nigeria.
5. Lawal, A.R., Olayinka, B.U., Murtadha, A.R., **Ayinla, A.** & Etejere, E.O. (2018). Comparative analysis of phytochemical and proximate composition of *Alium sativum* and *Zingiber offinale* Rosc. *Nigerian Journal of Basic and Applied Science*, 26(2), 82-87. Published by Faculty of Science, Usmanu Danfodiyo University Sokoto, Nigeria. Available online at <https://www.ajol.info/index.php/njbas/article/view/184798>
6. Olayinka, B.U., **Ayinla, A.**, Ogebeche, F.O. & Etejere, E.O. (2015). Comparative evaluation of NPK and chicken dropping on growth and proximate composition of *Amaranthus hybridus* L. *Biological and Environmental Sciences Journal for Tropics*, 12(2), 748-755. Published by Department of Biological Sciences, Bayero University Kano, Nigeria.

International Publications

7. Lawal, A.R., Olayinka, B.U., **Ayinla, A.**, Bulala, F.A., Muktar, S., & Abdulra'uf, L. (2023). Effects of expired and non-expired pendimethalin and hand weeding on the bio-productivity and seed quality of groundnut (*Arachis hypogaea* L.). *Science Journal of University of Zakho*, 11(1), 104-111. Published by the University of Zakho, Iraq. Available online at <https://www.sjuoz.uoz.edu.krd/index.php/sjuoz/article/view/1100>
8. Olayinka, B.U., Abdulkareem, K.A., Abdulbaki, A.S., Alsamadany, H., Alzahrani, Y., Kareem, I., **Ayinla, A.**, Kolawole, O.S., Idowu, A.O., Odudu, F.U. Ibuowo, M.B. & Sulyman, A. (2022). Effects of priming on germination and biochemical attributes of three maize lines under Nacl stress condition. *Bioagro*, 34(3), 233-244. Published by Agronomy Faculty of the Universidad Centrocidental, Barquisimeto, Venezuela. Available online at <https://dialnet.unirioja.es/servlet/articulo?codigo=8554067>

9. Abdulkareem, K.A., Olayinka, B.U., Danzaki, M.M., Idris, R., Kareem, I., **Ayinla, A.**, Sagaya, A.B. & Mustapha, O.T. (2021). Genetic variability via protein electrophoresis among some Nigerian accessions of pigeon pea (*Cajanus cajan*). *Romanian Journal of Biology - Plant Biology*, 66, 55-64. Published by the Romanian Academy, Institute of Biology, Bucharest. Available online at <https://ibiol.ro/plant/Volume%2066/Articolul%206.pdf>
10. Olayinka, B. U., Abdulkareem, K. A., Murtadha, R. B., Abdalbaki, A. S., **Ayinla, A.**, Sagaya, A., Mohammed, R.T.& Etejere, E. O. (2021). Determination of chlorophyll content, carbonic anhydrase activity, bio-productivity and composition of groundnuts under five zinc oxide (ZnO) applications. *Sri Lankan Journal of Biology*, 6(1), 40-46. Published by the Institute of Biology, Sri Lanka. Available online at <https://sljb.sljol.info/articles/10.4038/sljb.v6i1.65>
11. Olayinka, B. U., Abdalbaki, A. S., Mohammed, R. T., Alsamadany, H., Murtadha, R. B., Alzahrani, Y., **Ayinla, A.**, Abdulkareem, K.A. & Etejere, E. O. (2021). Effect of planting methods on growth and yield of groundnut cultivars. *Legume Research*, 44(1), 74-80. Published by [Agricultural Research Communication Centre, India](#). Available online at <https://www.indianjournals.com/ijor.aspx?target=ijor:lr&volume=44&issue=1&article=013>
12. Kareem, I, Faseyi A.F., Saliu, A. K., Abdulmaliq, S. Y., Adekola, O.F., Abdulkareem, K.A., Olayinka, B.U., **Ayinla, A.**, Alasinrin S.Y., Kuranga, H.A., Magaji, U., Lawal, M.T., Ahmed, O., Lawal, O.I., Bello, W. B., Salami, T. B., Ayeleke, D.A., Azeez, K.O., Olaniyan, J.O., Affinnih, K.O., Olalekan, K.K. (2020). NPK partitioning, growth, yield and proximate composition of okra (*Abelmoschus esculentus*) under water deficit stress. *Bulgarian Journal of Soil Science, Agrochemistry and Ecology*, 54(4), 3-24. Published by Agricultural Academy of Bulgaria. Available online at https://soilscience-bg.org/page/en/details.php?article_id=262
13. Olayinka, B.U., Abdulkareem, K.A., Adegbola, N.M., Jacobs., O.E., Adigun, B.A., Kareem, I. **Ayinla, A.**, Abdalbaki, A. S., Opeyemi, Y.O., Sidiq, M. M., Etejere, E. O. (2020). Decapitation of shoot tip enhanced groundnut productivity. *Annals of West University of Timisoara*, 23(2), 89-96. Published by West University of Timisoara, Romania. Available online at https://cbg.uvt.ro/wp-content/uploads/2021/10/AWUTSerBio_December2020_89-96_OLAYINKA_final.pdf
14. Kareem, I., Faseyi A.F., Saliu, A.K., Abdulmaliq, S.Y., Adekola, O.F., Abdulkareem, K.A., Olayinka, B.U., **Ayinla, A.**, Alasinrin S.Y., Kuranga, H.A., Magaji, U., Lawal, M.T., Ahmed, O., Lawal, O.I., Bello, W.B., Salami, T.B., Ayeleke, D.A., Azeez, K.O., Olaniyan, J.O., Affinnih, K.O. & Olalekan, K. K. (2020). Optimization of priming duration for rice production under drought stress. *Bulgarian Journal of Soil Science, Agrochemistry and Ecology*, 54(4), 25-42. Published by Agricultural Academy of Bulgaria. Available online at https://soilscience-bg.org/page/en/details.php?article_id=263
15. Kareem, I., Ismail, M.R., Puteh, A.B., Rabileh, M.A., Belewu, M.A., Kareem, S.A., Adekola, O.F., Alasinrin, S.Y., Abdulmaliq, S.Y., Olayinka, B.U., **Ayinla, A.**, Lawal, M.T., Fabiyi, O.A., Ahmed, O. & Lawal, O. I. (2020). Crop improvement: a seed priming approach. *Amazonian Journal of Plant Research*, 4(3), 609-631. Published by Federal University of Pará, Altamira, Brazil.

16. Kareem, I., Dauda, Z.A., Kareem, S.A., Abdulmalik, S.Y., Adekola, O.F., Abdulkareem, K.A., Olayinka, B.U., **Ayinla, A.**, Yusuf, A.S. Magaji, U. & Rabileh, M.A. (2020). Effect of salinity stress on growth, yield and nutritional qualities of two okra varieties. *Bulgarian Journal of Soil Science, Agrochemistry and Ecology*, 54(3), 52-63. Published by Agricultural Academy of Bulgaria. Available online at https://soilscience-bg.org/page/en/details.php?article_id=249
17. Kareem, I., Olaoye, G., Kuranga, H. A., Kareem, S. A., Abdulmalik, S. Y., Adekola, O. F., Abdulkareem, K.A., Olayinka, B.U., **Ayinla, A.**, Yusuf, A.S., Magaji, U. & Lawal, M. T. (2020). Nutrient optimization for cucumber production using different fertilizer sources. *Bulgarian Journal of Soil Science Agrochemistry and Ecology*, 54(3), 70-79. Published by Agricultural Academy of Bulgaria. Available online at https://soilscience-bg.org/page/en/details.php?article_id=255
18. Alsamadany, H., Olayinka, B.U., AbdulBaki, A.S., Alzahrani, Y., Adeoye, O., **Ayinla A.**, Oladokun, A.T. & Etejere, E.O. (2019). Effects of pretilachlor and 2,4-dichlorophenoxyacetic acid on the proximate and mineral compositions of *Oryza sativa* L. *International Journal of Botany*, 15(2), 22-27. Available online at <https://scialert.net/fulltext/?doi=ijb.2019.22.27>
19. **Ayinla, A.**, Alagbe, I.A, Olayinka, B.U., Lawal, A.R. Aboyeji, O.O. & Etejere, E.O. (2018). Effects of organic, inorganic and organo-mineral fertilizer on the growth, yield and nutrient composition of *Corchorus olitorious*. *Ceylon Journal of Science*, 47(1), 13-19. Published by the University of Peradeniya, Sri Lanka. Available online at https://cjs.sljol.info/articles/10.4038/cjs.v47i1.7482?utm_source=TrendMD&utm_medium=cpc&utm_campaign=Ceylon_Journal_of_Science_TrendMD_0
20. **Ayinla, A.**, Olayinka, B.U. & Etejere, E.O. (2016). Effects of ground and unground rice straw on the yield components and proximate composition of groundnut (*Arachis hypogaea* L.) *Notulae Scientia Biologicae*, 8(2), 176-180. Published by Horticulture and Forestry Society, Transylvania. Available online at <https://notulaebiologicae.ro/index.php/nsb/article/view/9823>
21. **Ayinla, A.**, Olayinka, B.U. & Etejere, E.O. (2016). Rice straw: a valuable organic manure for soil amendment in the cultivation of groundnut (*Arachis hypogaea* L.) *Environmental and Experimental Biology*, 14(4), 205-211. Published by the Faculty of Biology, University of Latvia. Available online at <https://eeb.lu.lv/EEB/201612/>

(B). BOOKS:

i. Edited and co-edited books:

22. **Ayinla, A.** (2020). *General experimental biology practical manual* volume 1, (2nd ed.). Al-Hikmah University, Ilorin, Nigeria.

23. **Ayinla, A.** (2020). *General experimental biology practical manual volume 2*, (2nd ed.). Al-Hikmah University, Ilorin, Nigeria.

ii. **Published chapters in edited books:**

24. Olayinka, B.U., AbdulKareem, K.A., AbdulRahaman, A.A., Abdulbaki, A.S., **Ayinla, A.**, & Etejere, E.O. (2021). Foliar Application of Proline Enhance Stress Tolerance in Water-stressed *Arachis hypogaea* L. In Aliero, A. A., Agboola, D. A. and Vwioko, E. D. (Editors) *Plants and the Ecosystems, Festschrift in Honour of Professor Alhassan Mohammed Gani*.

EDITED CONFERENCE PROCEEDINGS AND PAPERS PRESENTED

27th Annual Conference of the Botanical Society of Nigeria (BOSON) themed “Harnessing Plant Resources for Sustainable Development” which held at the Department of Plant Science and Biotechnology, Federal University Dutse, Nigeria between 8th -13th August, 2019.

Papers presented:

- i. Olayinka, B.U, Murtadha, R.B., **Ayinla, A.**, Abdulkareem, K.A., Sagaya, A. Muhammed R.T. and Etejere E.O. (2019). Carbonic anhydrase activity, crop yield and proximate composition of groundnut as influenced by zinc oxide. *27th Annual Conference of the Botanical Society of Nigeria (BOSON)*, (pp. 59).
 - ii. **Ayinla, A.**, Olayinka, B.U. & Etejere, E.O. (2019). Effect of Beta-Aminobutyric acid on oxidative Stress Attributes and Proximate Composition of Water stressed Ofada rice plant. *27th Annual Conference of the Botanical Society of Nigeria (BOSON)*, (pp. 59).
 - iii. Olayinka, B.U. **Ayinla, A.**, AbdulKareem, K.A., Lateef, A., Sagaya, A., Tihamiyu, B.B. Garuba, T. and Etejere E.O. (2019). Foliar application of proline increases stress tolerance in water-stressed *Arachis hypogaea* L. *27th Annual Conference of the Botanical Society of Nigeria (BOSON)*, (pp. 58).
- 26th Annual Conference of the Botanical Society of Nigeria (BOSON) themed “Plants: The Silent Architect of our Survival” which held at the Department of Plant Science and Biotechnology, Ekiti State University, Ado-Ekiti, Nigeria between 13th -16th August, 2018.

Papers presented:

- i. **Ayinla, A.** Olayinka B.U. and Etejere, E.O. (2018) Effect of Beta-aminobutyric Acid on the Drought Stress Tolerance Level of Ofada rice (*Oryza sativa* L.). *26th Annual Conference of the Botanical Society of Nigeria (BOSON)*, (pp.29)
- ii. Olayinka, B.U., Adegbola, N. M., Oladokun, L. T., Odudu, F. U., AbdulBaki, A. Basiru, S. S., **Ayinla, A.**, Lawal, A. L., & Etejere, E. O. (2018) Impacts of decapitation on growth and yield of two groundnut varieties (*Arachis hypogaea* L. cv SAMNUTS 10 and 11. *26th Annual Conference of the Botanical Society of Nigeria (BOSON)*, (pp. 30).
- iii. Lawal, A.R., Olayinka, B.U., Abdulrauf, L.B., **Ayinla, A.** & Etejere, E.O. (2018). Growth and yield responses of maize (*Zea mays* L.) and cowpea (*Vigna unguiculata* L.) under sole and intercropping systems as affected by different weed control methods. *26th Annual Conference of the Botanical Society of Nigeria (BOSON)*, (pp. 17).

- 25th Annual Conference of the Botanical Society of Nigeria (BOSON) themed “Repositioning Botany for Economic and Environmental Transformation of Nigeria” which held at the Department of Biological Sciences, Usmanu Danfodiyo University, Sokoto, Nigeria between 2nd – 6th July, 2017.
Paper presented:
 - iv. Olayinka, B.U., Muhammed, R.T., **Ayinla, A.**, Murtadha, R. & Etejere, E.O. (2017). Growth and yield responses of four groundnut cultivars to land preparation dynamics. *25th Annual Conference of the Botanical Society of Nigeria (BOSON)*, (pp. 47).
- 24th Annual Conference of the Botanical Society of Nigeria (BOSON) themed “Plants and Economic Development” held at the University of Ibadan, Ibadan Nigeria between 14th -18th August, 2016.
Paper presented:
 - v. **Ayinla, A.**, Olayinka, B.U. and Etejere, E.O. (2016). Rice straw: A valuable organic manure for soil amendment in the cultivation of groundnut (*Arachis hypogaea* L.) *24th Annual Conference of the Botanical Society of Nigeria (BOSON)*, (pp. 27)
- 23rd International Conference and Exhibition of the Botanical Society of Nigeria (BOSON) themed “Plants in an ever changing world” which held at the University of Lagos, Nigeria between 16th - 20th August, 2015.
Paper presented:
 - vi. **Ayinla, A.** Olayinka, B.U. and Etejere, E.O. (2015). Effect of ground and unground rice straw on growth, yield components and proximate composition of groundnut. *23rd Annual Conference of the Botanical Society of Nigeria (BOSON)*, (pp.35).
- 33rd Annual Conference of the Nigerian Society of Biochemistry and Molecular Biology (NSBMB) themed “Re-engineering Biochemistry and Molecular Biology for Poverty Alleviation and Diseases Control” held at the University of Ilorin between 11th - 14th November, 2014.
- 4th International Conference on Jatropha organized by University of Ilorin Jatropha Plantation Development and Maintenance Committee in Collaboration with the Society for the Conservation of Phytofuel and Sciences themed “Emerging Trends and Issues on Jatropha - A Green Gold Plant” which held at the University of Ilorin from 24th - 28th September, 2014.
- 22nd Annual Conference of the Botanical Society of Nigeria (BOSON) themed “Plants and the future of our planet” which held at the Department of Biological Sciences, University of Nigeria, Nsukka, Enugu State between 25th -29th of May 2014.
Paper presented:
 - vii. Comparative evaluation of NPK and chicken dropping on the growth and proximate composition of *Amaranthus hybridus* L. *22nd Annual Conference of the Botanical Society of Nigeria (BOSON)*
- 1st National Stake Holders Summit on Postgraduate Research in Nigeria Organized by the Postgraduate Student Association (POGSASS) at the University of Ilorin which held between 20th - 22nd March, 2013.

HOBBIES/EXTRA-CURRICULAR ACTIVITIES:

Reading, meditating, impacting knowledge in others.

REFEREES:

- I. Prof. Mustapha, O.T.**
Department of Plant Biology, University of Ilorin, Nigeria.
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- II. Dr. Olayinka, B.U.**
Department of Plant Biology, University of Ilorin, Nigeria.
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- III. Dr. Omopupa, K.T.**
Librarian, University of Ilorin, Nigeria.
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Signature

3rd January, 2024.
Date