

Richard Olutayo AKINWALE

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Obafemi Awolowo University, Ile-Ife, Nigeria

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PERSONAL DATA

Date of Birth: 22 May, 1973
Sex: Male
Marital Status: Married
Nationality: Nigerian
Websites: <http://www.oauife.edu.ng>
<https://www.linkedin.com/pub/richard-olutayo-akinwale/24/180/343/>
https://www.researchgate.net/profile/R_Akinwale?ev=hdr_xprf
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h-index (Scopus): 16
h-index (Googlescholar) 34
h-index (Researchgate) 22

EDUCATION

Doctor of Philosophy, (Ph.D. Plant Science) (Specialisation: Plant Breeding and Genetics)	Obafemi Awolowo University, Ile-Ife, Nigeria <i>Thesis: Evaluation of the heterotic groups of Striga-resistant early maturing maize (Zea mays L.) inbred lines using diallel analysis and molecular markers. Ph.D. Thesis, Department of Crop Production and Protection, Obafemi Awolowo University, Ile-Ife, Nigeria. 125 pp</i>	2012
Master of Science, (M.Sc. Plant Science) (Specialisation: Plant Breeding and Genetics)	Obafemi Awolowo University, Ile-Ife, Nigeria <i>Thesis: Conservation and characterization of some underutilized legumes of southwestern Nigeria. M.Sc. Thesis. Department Plant Science, Obafemi Awolowo University, Ile-Ife, Nigeria. 87pp.</i>	2006
Bachelor of Agriculture, (B.Agric.) Second Class Honours (Lower Division),	University of Agriculture, Abeokuta, Nigeria <i>Thesis: Effect of poultry droppings on yield of maize and soil properties</i>	1999

ACADEMIC DISTINCTIONS AND AWARDS WITH DATES:

- (a) Scholarship: Netherlands Fellowship Programme (NFP)/NUFFIC Scholarship, 2013
- (b) Fellowship: AGNES Grant for Junior Researchers 2014: awarded by the African-German Network of Excellence in Science (AGNES) with the support of Alexander von Humboldt Foundation (AvH) and The World Academy of Sciences (TWAS)
Research Fellow: International Institute of Tropical Agriculture (IITA), Ibadan. 2007-2010

WORK EXPERIENCE WITH DATES:

- | | | |
|-------|---|---|
| (i) | Lecturer (National Service): Kaduna State Polytechnic, Zaria | 1999-2000 |
| (ii) | Research Fellow: International Institute of Tropical Agriculture (IITA), Ibadan. | 2007-2010 |
| (iii) | Data Analyst: International Institute of Tropical Agriculture (IITA) Ibadan. | 21 st Feb. - 31 st March, 2008. |
| (iv) | Research Supervisor (Consultancy): International Institute of Tropical Agriculture, Ibadan. | 1 st May - 31 st August, 2010 |
| (v) | Assistant Lecturer, Obafemi Awolowo University, Ile-Ife | Jan. 2011 |
| (vi) | Lecturer I, Obafemi Awolowo University, Ile-Ife | May 2012 |
| (vii) | Senior Lecturer, Obafemi Awolowo University, Ile-Ife | Oct. 2015 |

GRADUATE STUDENT SUPERVISION:

Ph.D. By Research:

- (i) Okunlola, Gideon Olanrewaju (SCP11/12/H/1882) Growth, Yield and Physiological Responses of Three Species of Capsicum Tourn. to Water Stress Imposed at Different Stages of Growth (Co-supervised, Completed)
- (ii) Ologundudu, Akinbode Foluso (SCP11/12/H/1406) Biochemical and Physiological Responses of Four Rice (*Oryza sativa* L.) Cultivars to Salinity Stress (Co-supervised, Completed)
- (iii) Popoola, Kemi Mary (SCP12/13/H/0240) Physiological Responses of Two Varieties of *Vigna unguiculata* (L.) Walp to the Phytochemical Activities of *Euphorbia heterophylla* L., *Tridax procumbens* L. and *Chromolaena odorata* (L.) Rob. and King. (Co-supervised, Completed)
- (iv) Adewale, Samuel Adeyemi (AGP16/17/H/0063) Inheritance Patterns and Genome-wide Association Study of Early-Maturing Maize Inbred Lines under *Striga* Infestation and Drought Stress Environment (Supervised, Completed)
- (v) Obisesan, Isaiah Olufemi (AGP16/17/H/0655) Genetic Analysis of *Striga* Resistant Extra-early Maize (*Zea mays* L.) Inbred Lines under Contrasting Environments (Supervised, About to defend)

M.Sc.

- (vi) Fadahunsi, Temitope Funke (AGP12/13/H/2211) Assessment of Genetic Diversity among Wild *Vigna* Accessions (Supervised, Completed)
- (vii) Adewale, Samuel Adeyemi (AGP13/14/R/0063) Genetic Analysis of Drought

Tolerance at Seedling Stage in Early Maturing Maize Inbred Lines (Supervised, Completed)

- (viii) Omosanya, Abiodun Adebajo (AGP13/14/H/1263) Performance of Topcross Hybrids from a Complementary Pair of Stem Borer Resistant Maize Populations (Supervised, Completed)
- (ix) Fadoju, Abigail Opeyemi (AGP13/14/H/1263) Testcross Performance and Combining Ability of Maize Inbreds for Seed Quality and Drought Tolerance at Seedling Stage (Supervised, Completed)

MEMBERSHIP OF PROFESSIONAL BODIES WITH DATES:

- (i) Genetics Society of Nigeria. (GSN), NIGERIA 2003 till date
- (ii) International Biometrics Society (IBS), ITALY 2011 till date
- (iii) African Crop Science Society (ACSS), UGANDA 2011 till date
- (iv) American Society of Plant Biology (ASPB), USA 2012 till date
- (v) African Plant Breeding Association (APBA) 2018 till date
- (vi) Nigerian Plant Breeding Association (NPBA) 2019 till date

ACADEMIC PUBLICATIONS

- 1 Badu-Apraku, B., M.A.B. Fakorede, A.F. Lum and **R. Akinwale** (2009). Improvement of yield and other traits of extra early maize under stress and nonstress environments. *Agronomy Journal* 101: 381-389. (USA)
- 2 Badu-Apraku, B., A. Menkir, S.O Ajala, **R.O. Akinwale**, M. Oyekunle and K. Obeng-Antwi (2010). Performance of tropical early maturing maize cultivars in multiple stress environments. *Canadian Journal of Plant Science*. 90: 831-852.
- 3 Badu-Apraku, B., **R.O. Akinwale** and M.A.B. Fakorede (2010). Selection of early maturing maize inbred lines for hybrid production using multiple traits under *Striga*-infested and *Striga*-free environments. *Maydica* 55: 261-274.
- 4 Badu-Apraku, B., Lum A. Fontem, **R.O. Akinwale** and M. Oyekunle (2011). Biplot analysis of diallel crosses of early maturing tropical yellow maize inbreds in stress and nonstress environments. *Crop Science* 51: 173-188.
- 5 Badu-Apraku, B. and **R.O. Akinwale** (2011). Cultivar evaluation and trait analysis of tropical early maturing maize under *Striga*-infested and *Striga*-free environments. *Field Crop Research* 121: 186-194.
- 6 Badu-Apraku, B., M. Oyekunle, **R.O. Akinwale** and A. Fontem Lum (2011). Combining ability and heterotic groups of early-maturing tropical white maize inbred lines under stress and nonstress environments. *Agronomy Journal* 103: 544-557.
- 7 Badu-Apraku, B. and **R.O. Akinwale** (2011). Identification of early-maturing maize inbred lines based on multiple traits under drought and low N environments for hybrid development and population improvement. *Canadian Journal of Plant Science* 91: 931-942. DOI 10.4141/cjps2010-021.
- 8 Badu-Apraku, B., M.A.B. Fakorede, M. Oyekunle and **R.O. Akinwale** (2011). Selection of extra-early maize inbreds under low N and drought at flowering and grain-filling for hybrid production. *Maydica* 56: 1721-1735

- 9 Badu-Apraku, B., **R.O. Akinwale**, S.O. Ajala, A. Menkir, M.A.B. Fakorede and M. Oyekunle (2011). Relationships among traits of tropical early maize cultivars in contrasting environments. *Agronomy Journal* 103: (3) 717-729.
- 10 Oladejo, A.S., **R.O. Akinwale** and I.O. Obisesan (2011). Interrelationships between grain yield and other phenological traits of cowpea. *African Crop Science Journal* 19 (3): 189-200.
- 11 Badu-Apraku, B., **R.O. Akinwale**, A. Menkir, N. Coulibaly, J.E. Onyibe, G.C. Yallou, M.S. Abdullai and Didjera (2011). Use of GGE Biplot for targeting early maturing maize cultivars to mega-environment in west and central Africa. *African Crop Science Journal* 19: 79-96
- 12 Badu-Apraku, B., **R.O. Akinwale**, J. Franco and M. Oyekunle (2012). Assessment of reliability of secondary traits in selecting for improved grain yield in drought and low-nitrogen environments. *Crop Science* 52: 2050-2062
- 13 Badu-Apraku, B., **R.O. Akinwale**, M.A.B. Fakorede, M. Oyekunle and J. Franco (2012). Relative changes in genetic variability and correlations in an early-maturing maize population during recurrent selection. *Theoretical and Applied Genetics* 125: DOI10.1007/s00122-012-1913-8
- 14 Akaogu, I. C., B. Badu-Apraku, V. O. Adetimirin, I. Vroh-Bi, M. Oyekunle and **R. O. Akinwale** (2012) Genetic diversity assessment of extra-early maturing yellow maize inbreds and hybrid performance in *Striga* infested and *Striga* free environments. *The Journal of Agricultural Science*: 151: 519-537 DOI: 10.1017/S0021859612000652
- 15 **Akinwale, R.O.** and I.O. Obisesan (2012). Collection and characterization of some underutilized cowpea (*Vigna unguiculata* L.) cultivars of southwestern Nigeria. *Journal of Sustainable Development and Environmental Protection* 2: 37-47
- 16 **Akinwale, R.O.**, B. Badu-Apraku and M.A.B. Fakorede (2013). Evaluation of *Striga*- resistant early maize hybrids and test locations under *Striga*-infested and *Striga*-free environments. *African Crop Science Journal* 21: 149-158.
- 17 Badu-Apraku, B., M. Oyekunle, **R.O. Akinwale** and M. Aderounmu (2013). Combining ability and genetic diversity of extra-early white maize inbreds under stress and nonstress environments. *Crop Science* 53: 9–26 DOI: 10.2135/cropsci2012.06.038
- 18 Badu-Apraku, B., **R. O. Akinwale**, K. Obeng-antwi, A. Haruna, R. Kanton, I. Usuman, S. G. Ado, N. Coulibaly, G. C. Yallou, and M. Oyekunle (2013) Assessing the representativeness and repeatability of testing sites for drought-tolerant maize in West Africa. *Canadian Journal of Plant Science* 93: 699-714 doi:10.4141/CJPS2012-136
- 19 Idowu, O. O., A. O. Salami, S. A. Ajayi, **R.O. Akinwale** and Y. Sere (2013) Varietal resistance of rice to blast fungus *Magnaporthe oryzae* at two sites in southwestern Nigeria. *African Journal of Biotechnology* 12(33): 5173-5182 DOI: 10.5897/AJB2012.2959
- 20 Fakorede, M.A.B., A. Oluwaranti, and **Akinwale R.O.** (2014) Teaching report writing in crop science to undergraduate agriculture students in a Nigerian University. Pp 71-75 In Research Application Summary, *Proceedings of the Fourth RUFORUM Biennial Regional Conference 21 - 25 July 2014, Maputo, Mozambique*
- 21 **Akinwale R.O.**, B. Badu-Apraku, M.A.B. Fakorede, and I. Vroh-Bi (2014) Heterotic grouping of tropical early-maturing maize inbred lines based on combining ability in *Striga*-infested and *Striga*-free environments and the use of SSR markers for genotyping. *Field Crop Research* 156:48-62
- 22 **Akinwale R.O.**, M.A.B. Fakorede, B. Badu-Apraku and A. Oluwaranti (2014) Assessing the usefulness of GGE Biplot as a statistical tool for plant breeders and agronomists. *Cereal Research Communication* 42(3): 534–546 DOI: 10.1556/CRC.42.2014.3.16
- 23 Badu-Apraku, B., **R. O. Akinwale** and M. Oyekunle (2014). Efficiency of secondary traits in selecting for improved grain yield in extra-early maize under *Striga*-infested and *Striga*-free environments. *Plant Breeding* 133: 373-380 doi:10.1111/pbr.12163

- 24 Adeshina, G.O. and **R.O. Akinwale** (2014). Response of *Striga* resistant maize varieties to natural weed conditions and weed control measures under tropical rainforest conditions. *Annals of Plant Science* 3: 631-638
- 25 Ologundudu A. F. Adelusi A. A. and **Akinwale R.O.** (2014) Effect of Salt Stress on Germination and Growth Parameters of Rice (*Oryza sativa* L.) *Not Sci Biol*, 2014, 6(2):237-243
- 26 Badu-Apraku, B., M.A.B. Fakorede, G. Melaku, A.O. Talabi, B. Annor, M. Oyekunle, **R.O. Akinwale**, Y. Fasanmade and I.C. Akaogu (2015). Heterotic response among crosses of IITA and CIMMYT early white maize inbred lines under multiple stress environments. *Euphytica* 206: 245–262. DOI 10.1007/s10681-015-1506-0
- 27 Badu-Apraku, B., M. A. B. Fakorede, M. Oyekunle, G. C. Yallou, K. Obeng-Antwi, A. Haruna, I. S. Usman and **R.O. Akinwale** (2015). Gains in grain yield of early maize cultivars developed during three breeding eras under multiple environments. *Crop Science* 55: (2) 527-539
- 28 **Akinwale, R.O.**, M.A.B. Fakorede, A. Oluwaranti, B. Badu-Apraku, and I.I. Adejumobi (2016) Selection criteria for drought tolerance at the vegetative phase in early maturing maize. *African Journal of Biotechnology* 15:816-822
- 29 Badu-Apraku, B., B. Annor, M. Oyekunle, **R.O. Akinwale**, M.A.B. Fakorede, A.O. Talabi, I.C. Akaogu, G. Melaku and Y. Fasanmade (2015). Grouping of early maturing quality protein maize inbreds based on SNP markers and combing ability under multiple stress. *Field Crop Research* 183: 169-183
- 30 Badu-Apraku, B., M.A.B. Fakorede, G. Melaku A.O. Talabi, B. Annor, M. Oyekunle, **R.O. Akinwale**, Y. Fasanmade and I.C. Akaogu (2015). Heterotic response among crosses of IITA and CIMMYT early white maize inbred lines under multiple stress environments. *Euphytica* DOI 10.1007/s10681-015-1506-0
- 31 Badu-Apraku, B., M.A.B. Fakorede, M. Oyekunle, **R.O. Akinwale** (2015). Genetic gains in grain yield under nitrogen stress following three decades of breeding for drought tolerance and *Striga* resistance in early maturing maize. *Journal of Agric. Science* DOI:10.1017/S0021859615000593
- 32 Badu-Apraku, B., C. Yallou, M. Oyekunle, **R.O. Akinwale**, G. Aweke, A. Kamara, (2015). Consistency of performance of early maturing maize cultivars in *Striga*-infested and *Striga*-free environments. *Canadian Journal of Plant Science* 95: 1073-1084
- 33 Badu-Apraku B., M. A. B. Fakorede, M. Oyekunle, G. C. Yallou, K. Obeng-Antwi, A. Haruna, I. S. Usman and **R.O. Akinwale** (2015) Gains in grain yield of early maize cultivars developed during three breeding eras under multiple environments. *Crop Science* 55 (2) 527-539
- 34 Badu-Apraku, B., M.A.B. Fakorede, A.O. Talabi, M. Oyekunle, I.C. Akaogu, **R.O. Akinwale**, B. Annor, G. Melaku Y. Fasanmade and M. Aderounmu (2016). Gene action and heterotic groups of early white quality protein maize inbreds under multiple stress environments. *Crop Science* 56:183-195
- 35 Badu-Apraku, B., M.A.B. Fakorede, A.O. Talabi, M. Oyekunle, I.C. Akaogu, **R.O. Akinwale**, B. Annor, G. Melaku Y. Fasanmade and M. Aderounmu (2016) Heterotic patterns of IITA and CIMMYT early-maturing tropical yellow maize inbreds under contrasting environments. *Agronomy Journal* 108 (4):1321-1336
- 36 **Akinwale, R.O.**, and O.A. Adewopo (2016) Grain Iron and Zinc concentrations and their relationship with selected agronomic traits in early and extra-early maize. *Journal of Crop Improvement* DOI: 10.1080/15427528.2016.1211577

- 37 **Akinwale, R.O.**, O.O. Ogunniyi, and E.C. Umunnakwe (2016) Differential response of early and extra-early maize hybrids to drought imposed at seedling and flowering stages. *Ife Journal of Agriculture* 28(2): 12-23
- 38 Afiukwa C.A., J.O. Faluyi, C.J. Atkinson, B.E. Ubi, D.O. Igwe, and **R.O. Akinwale** (2016) Screening of some rice varieties and landraces cultivated in Nigeria for drought tolerance based on phenotypic traits and their association with SSR polymorphisms. *African Journal of Agricultural Research* 11(29) 2599-2615
- 39 Abraham, O. G., Nwokeocha, C. C., **Akinwale, R. O.** and Faluyi, J. O. (2017). Screening for Yield Related Characters in Some Landrace Accessions of *Oryza sativa* Linn. in Nigeria. *Journal of Plant Sciences*, 12: 52-58.
- 40 **Akinwale, R.O.**, F.E. Awosanmi, O.O. Ogunniyi, and A.O. Fadoju (2017) Determinants of drought tolerance at seedling stage in early and extra-early maize hybrids. *Maydica* 62: 101-113
- 41 Okunlola, G.O. Olatunji O.A. **Akinwale R.O.** Tariq A., Adelusi A.A. (2017) Physiological response of the three most cultivated pepper species (*Capsicum* spp.) in Africa to drought stress imposed at three stages of growth and development. *Scientia Horticulturae* 224 198–205
- 42 Omoigui, L. O., Kamara, A. Y. Ajeigbe, H. A. **Akinwale, R. O.** Timko, M. P., Oyekunle, M., Bello, L. L. (2017). Performance of cowpea varieties under *Striga gesnerioides* (Willd.) Vatke infestation using biplot analysis. *Euphytica* 213:244-260 DOI 10.1007/s10681-017-2034-x
- 43 Adewale S.A., **R.O. Akinwale**, M.A.B. Fakorede, and B. Badu-Apraku, (2018). Genetic analysis of drought-adaptive traits at seedling stage in early-maturing maize inbred lines field performance under stress conditions. *Euphytica* 214:145-163 DOI: 10.1007/s10681-018-2218-z
- 44 Nnamani, C.V., S.A. Ajayi, , H.O. Oselebe, C.J. Atkinson, D.B. Adewale, D.O. Igwe, and **R.O. Akinwale**, (2018) Updates on nutritional diversity in *Sphenostylis stenocarpa* (Hoechst ex. A. Rich.) Harms. for food security and conservation. *American Journal of Agricultural and Biological Sciences* 13: 38-49. DOI: 10.3844/ajabssp.2018.38.49
- 45 Badu-Apraku, B. and **R.O. Akinwale** (2019) Biplot Analysis of Line × Tester Data of Maize (*Zea mays* L.) Inbred Lines under Stress and Nonstress Environments. *Cereal Research Communication* 47(3), 518–530 DOI: 10.1556/0806.47.2019.25
- 46 Adewale, S.A. B. Badu-Apraku, **R.O. Akinwale**, A.A. Paterne, M. Gedil, and A.L. Garcia-Oliveira (2020) Genome-wide association study of *Striga* resistance in early maturing white tropical maize inbred lines. *BMC Plant Biology* 20:203 <https://doi.org/10.1186/s12870-020-02360-0>
- 47 Eze. C.E. **R.O. Akinwale** S. Michel and H. Burstmayr (2020) Grain yield and stability of tropical maize hybrids developed from elite cultivars in contrasting environments under a rainforest agro-ecology. *Euphytica* 216:89 doi.org/10.1007/s10681-020-02620-y
- 48 **Akinwale R.O.** Z.M. Akinola and A.P. Kayode, (2020) Superiority of maize varietal hybrids over their elite parents under optimal and sub-optimal growing conditions in a rainforest agro-ecology. *Nigerian Journal of Genetics* 34(1): 83-92 ISSN: 0189-9686
- 49 Badu-Apraku, B., F.A. Bankole, B. S. Ajayo, M.A.B. Fakorede, **R.O. Akinwale**, A.O. Talabi, R. Bandyopadhyay, A. Ortega-Beltran (2021) Identification of early and extra-early maturing tropical maize inbred lines resistant to *Exserohilum turcicum* in sub-Saharan Africa. *Crop Protection* 139:1-10 <https://doi.org/10.1016/j.cropro.2020.105386>
- 50 **Akinwale, R.O.** C.E. Eze, , Traore, D., and A. Menkir, (2021) Detection of Non-Additive Gene Action within Elite Maize Populations Evaluated in Contrasting Environments under Rainforest Ecology in Nigeria *Crop Breeding Genetics and Genomics* 3(1):e210003. <https://doi.org/10.20900/cbpg20210003>
- 51 **Akinwale, R.O.**, A.O. Fadoju, , B. H. Sulola, A. Oluwaranti, and F. E. Awosanmi,

- (2021) Inheritance of seed quality traits and concentrations of zinc and iron in maize topcross hybrids. *African Crop Science Journal* 29(1): 119 - 131
- 52 **Akinwale, R.O.**, L.K. Odunlami, C.E. Eze, and A.S. Oladejo, (2021) Effectiveness of different alpha lattice designs in the evaluation of maize (*Zea mays* L.) genotypes in a rainforest agro-ecology. *Heliyon* 7: 61-78
- 53 Badu-Apraku, B., Fakorede, M.A.B., **Akinwale, R.O.**, Adewale, S.A. and Akaogu, I.C. (2021) Developing high-yielding *Striga*-resistant maize in sub-Saharan Africa. CAB Review 18: <https://www.cabi.org/cabreviews>.
- 54 **Akinwale, R.O.** (2021) Heterosis and heterotic grouping among tropical maize germplasm. In: A.K. Goyal, (ed.) *Cereal Grains - Volume 2* IntechOpen, London: <https://www.intechopen.com/chapters/77459> doi: 10.5772/intechopen.98742
- 55 Job A, Iseghohi, I, Abe, A., Yahaya, M. Olayiwola, R., Akinwale R.O. Obisesan O.I., and Igyuve, M. (2022) Genetic analysis of agronomic and fall armyworm-resistance traits in maize hybrids with varying levels of resistance to stem borers. *Agronomy* 12(12): 3042-3060 <https://doi.org/10.3390/agronomy12123042>
- 56 Adewale, S. A. and **Akinwale, R. O.** (2023) Genetic variances, heritability and traits association of early-maturing maize hybrids under induced drought at seedling and flowering stages. *Journal of Experimental Agriculture International* 45(9):159-168

CONFERENCES, SEMINARS, AND WORKSHOPS ATTENDED WITH DATES:

- | | | |
|--------|--|-------------|
| (i) | Workshop on statistical computing for breeders, agronomist, and social scientists. International Institute of Tropical Agriculture (IITA), Ibadan. Nigeria | May, 2007 |
| (ii) | Technician training course for breeders. International Institute of Tropical Agriculture (IITA), Ibadan | July, 2007 |
| (iii) | Short course on quantitative genetics for breeders in Africa. IITA, Ibadan. | Oct., 2007 |
| (iv) | Short course on proposal writing. IITA, Ibadan. | Sept., 2007 |
| (v) | DTMA seed production and variety release at IITA, Ibadan | July, 2010 |
| (vi) | 10 th African Crop Science Society Conference, Maputo. Mozambique | Oct.. 2011 |
| (vii) | Workshop on New Tools for Molecular Breeding, Nairobi. Kenya. | Nov. 2011 |
| (viii) | Plant Biology 2012. Conference of ASPB, Texas, USA. | July, 2012 |
| (ix) | International workshop on Plant Genetic Resources and Seeds. Chennai India | Nov. 2013 |
| (x) | International workshop on Genotyping-by Sequencing, Cornell University New York. USA | Jan., 2014 |
| (xi) | 40 th Genetics Society of Nigeria Conference at Benin, Edo State | Oct., 2014 |
| (xii) | African Plant Breeding Academy, Nairobi Kenya | Dec. 2016 |
| (xiii) | 43 rd Genetics Society of Nigeria Conference at Makurdi, Benue State | Oct., 2017 |
| (xiv) | Demand Driven Plant Breeding Workshop in University of Ghana, Legon Accra | Aug. 2019 |
| (xv) | Maiden conference of the Nigerian Plant Breeders Association (Virtual) | Oct., 2020 |
| (xvi) | 6 th Conference of the Biotechnology Society of Nigeria, Southwest | June, 2021 |

OTHER SERVICES OUTSIDE THE UNIVERSITY:

- (i) Research Collaborator with Drought Tolerant Maize for Africa (DTMA) Program, International Institute of Tropical Agriculture (IITA), Ibadan.
- (ii) Project Supervision of Ph.D. Student of West African Science Service Centre on Climate Change and Adapted Land Use (WASCAL) Mali 2017-2019
- (iii) Reviewer for both local and international journals
 - (a) African Journal of Biotechnology (Kenya)
 - (b) Agronomy Journal (USA)
 - (c) Journal of Plant Breeding and Crop Science (Kenya)
 - (d) Euphytica (The Netherlands)
 - (e) Acta Agriculturae (UK)
 - (f) Scientific Reports (UK)
 - (g) Nigerian Journal of Genetics (Nigeria)
 - (h) The Science of Nature (UK)
 - (i) Journal of Crop Improvement (USA)
 - (j) Crop Science (USA)
- (iv) Adjunct Lecturer; Pan Africa University of Life and Earth Science, University of Ibadan. 2016-2020
- (v) External Examiners for Graduate Students
 - 1 Mr Sognigbe N'Danikou. Ph.D. Thesis, University of Abomey-Calavi, Benin Republic on 31st July, 2017
 - 2 Mrs Mary Teddy ASIO Ph.D. Thesis, University of KwaZulu-Natal, South Africa 1st June, 2018.
 - 3 Mrs Claudia A. Tesha M.Sc. Thesis, University of KwaZulu Natal, South Africa 27th August 2018
 - 4 Mrs Nokwethaba M. Biyela (M.Sc.) Genotype by Environment Interaction and Path analysis of Grain yield in Maize Hybrids. M.Sc. Thesis, University of KwaZulu Natal, South Africa 27th January 2019
 - 5 Mrs C.C. Josia (M.Sc.) Evaluation of Genotype by Environment Interaction and assessment of genetic purity of Maize Hybrids. M.Sc. Thesis, University of KwaZulu Natal, South Africa 26th June 2019

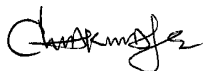
REFEREES:

Name of Referee: Prof M.B. Sosan

Institution Name: Department of Crop Production and Protection, Obafemi Awolowo University
Position Held: Head of Department
Contact Number: +234 8034041583
E-mail: msosan@oauife.edu.ng

Name of Referee: **Prof. I. O. Obisesan**
Institution Name: Department of Crop Production and Protection, Obafemi Awolowo University
Position Held: Retired Professor
Contact Number: +234 803 503 2549
E-mail: iobises@yahoo.co.uk

Name of Referee: **Dr. B. Badu-Apraku**
Institution Name: International Institute of Tropical Agriculture, Ibadan Nigeria
Position Held: Senior Maize Breeder/ Coordinator, Stress Tolerant Maize for Africa
Contact Number: +234 805 614 175
E-mail: b.badu-apraku@cgiar.org



Signature

20/07/2022

Date

