

Profile: Prof. I.O.O. Aiyelaagbe

Brief biography	Prof. I. O. O. Aiyelaagbe is Professor of Horticulture (Fruit science and Cropping systems) at the Federal University of Agriculture, Abeokuta, Nigeria (FUNAAB). He coordinates the Work, Earn and Learn Programme (WELP) of the Organic Agriculture Professionals in Tertiary Institutions in Nigeria (OAPTIN) established for building entrepreneurship in organic agriculture among graduates in addition to his teaching and research commitments. He also coordinates the FUNAAB Hub of HortiNigeria a consortium funded by the Embassy of the Kingdom of the Netherlands in Nigeria to facilitate the development of a sustainable and inclusive horticulture sector in Nigeria. Previously, he was Senior Visiting Scientist (Fruit Crops in Agroforestry) at the World Agroforestry Centre/ICRAF Nairobi Kenya, Visiting Professor at Coventry University, UK and the University of Ibadan Nigeria, Chief Research Officer (Farming Systems) at the National Horticultural Research Institute, Ibadan Nigeria (NIHORT), Head Department of Horticulture at FUNAAB (2006 -2007, 2011 -2013) and Director Research and Development Centre, FUNAAB (2007 - 2009). He served as President-in-Council of the Horticultural Society of Nigeria (HORTSON) 1999 - 2000 and National Coordinating Scientist Organic Agriculture Project in Tertiary Institutions In Nigeria (OAPTIN).
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Qualification	B. Sc Agric (Horticulture), B.A (Theology for Ministry, M.Sc. Crop Science, Ph. D Agronomy
Membership of Professional bodies	Horticultural Society of Nigeria International Society for Horticultural Science Organic Agriculture Professional in Tertiary Institutions In Nigeria International Society For Organic Agriculture Research
Awards and Grants received	1981 -Merit Award of the National Association of Agricultural Students (NAAS), University of Ibadan

	<p>1991 -GTZ/ICRAF Research Fellowship, - ICRAF (World Agroforestry Centre), Nairobi, Kenya</p> <p>1996- World Bank /NARP Travel Grant to Wye College, University of London</p> <p>2000 - date Georg Foster Research Fellowship of the Alexander von Humboldt Foundation, Germany</p> <p>2003 -ISNAR, Netherlands Travel Grant – tenable in Pretoria South Africa</p> <p>2004 - NURESDEF Award for NUC Research Fair, Abuja</p> <p>2006 - NURESDEF Award for NUC Research Fair, Abuja</p> <p>2008 - DiUS, UK /EAP Grant for Development of Curriculum in Organic Agriculture</p> <p>2009 - DiUS, UK /EAP Grant for Development of Curriculum in Organic Agriculture</p> <p>2009- 2012 EU-ACP Grants for Institutional Capacity Building in Organic Agriculture in West Africa</p> <p>2010 - CTA Netherlands Travel Grant International Horticulture Congress Lisbon Portugal</p> <p>2011 - International Visiting Professor Grant at Coventry University, UK</p> <p>2011 - ACU Travel Grant to attend International Conference on ‘Making the Best of Africa’s Graduates and the role of International Partnerships’, Accra Ghana</p> <p>2012 – IMaHS Travel Grant to attend consultation on Higher Education Development in Horticulture Angers France</p> <p>2013 CIRAD-Bioersivity Travel Grant for Root and Tuber Crops and Banana Meeting, Bouake Cote d’Ivoire</p> <p>2016 International Society for Horticulture (ISHS) Medal for Congress Conveners</p> <p>2017 ACU Travel Grant on Conference on ‘Organizing for Change, Pretoria, South Africa 13-15 November 2017</p> <p>2018 -date Member, Board of Trustees (BOT) Organic Agriculture Professionals In Tertiary Institutions in Nigeria (OAPTIN)</p> <p>2018 PTF Travel grant to attend the International Horticultural Congress Brisbane, Australia</p> <p>2018 – 2022 - Member of the Board of Directors Representing Africa on the International Society for Horticultural Science (ISHS)</p>
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Research conducted	Component interactions of intercropping citrus Component interactions of intercropping plantain Response of pineapple to organic fertilizers Response of cucumber to organic fertilizers Response of papaya to organic fertilizers Response of marigold to organic fertilizers Water stress studies on papaya Water stress studies on cucumber Water stress studies on pineapple Adaptation of <i>Telfairia occidentalis</i> for greenhouse cultivation
Conferences Attended	Annual Conference of Horticultural Society of Nigeria (HORTSON) 1986 – 2022 International Horticultural Congress 2006, 2010, 2014, 2018, 2022
Publications	

1. Aiyelaagbe, I. O. O., Fawusi, M. O. A. and Babalola, O. (1986). Growth, development and yield of papaya in response to soil moisture stress. *Plant and Soil* 93: 427 – 435.
2. Aiyelaagbe, I.O.O. and Fawusi, M.A.O. (1986). Growth and yield response of pepper to mulching. *Biotronics* 15: 25 – 29.
3. Aiyelaagbe, I.O.O. and Fawusi, M.O.A. (1988). Effects of soil moisture stress on germination of Homestead Selection papaya seeds. *Biotronics* 17:41 – 47
4. Aiyelaagbe, I. O. O. and Fawusi, M.O.A. (1988). Estimation of the area of detached or intact leaves of papaya. *Indian Journal of Agricultural Sciences* 58 (4) 322
5. Aiyelaagbe, I. O. O. (1990). Estimation of leaf area of guava (*Psidium guajava*). *Indian Journal of Agricultural Sciences* 60 (8) 574.
6. Aiyelaagbe, I.O.O. and Jolaoso, M.A (1992). Growth and yield response of papaya to intercropping with vegetable crops in southwestern Nigeria. *Agroforestry Systems* 19:1-14.
7. Aiyelaagbe, I. O. O. (1994). Fruitcrops in the cashew – coconut system of Kenya: Their use, management and agroforestry potential. *Agroforestry Systems* 27: 1-16
8. Aiyelaagbe, I.O.O. and Jolaoso, M.A (1994). Productivity of intercropped Plantain-soyabean in southwestern Nigeria. *Fruits* 49 (3) 191-195.
9. Jolaoso, M.A., Ojeifo, I.M and Aiyelaagbe, I.O.O.(1996). Productivity of plantain (*Musa AAB*)-melon mixtures in southwestern Nigeria. *Biological Agriculture and Horticulture* 13 (4) 335 – 340.
10. Popoola, L., Adeola, A.O. Aiyelaagbe, I.O.O. and Ladipo, D.O. (1996). Farmers' priority multipurpose tree and shrub species for agroforestry in the Humid lowlands of Nigeria. *Journal of Tropical Forest Resources* 12:16 – 31.
11. Aiyelaagbe, I.O.O., Adeola, A.O., Popoola, L. and Obiesan, K.O (1998). Agroforestry potential of *Dacryodes edulis* in the oilpalm – cassava belt of southeastern Nigeria. *Agroforestry Systems* 40: 263 – 274

12. Aiyelaagbe, I.O.O. and Kintomo, A. A. (1999). Effects of intercrops on weed control in citrus orchard in southwestern Nigeria. *Nigerian Journal of Weed Science* 12: 45 – 50.
13. Ogungbaigbe, L.O., Aiyelaagbe, I.O.O., Adekunle, A.O., Alasiri, K.O., Kintomo, A.A., Odeleye, O.O., Iluyomade, O.N and Oladapo, M. O. (1999). Participatory and commodity-based approach to the selection of collaborators: the case of fruits and vegetables in Oyo state. *Journal of Agricultural Extension* 3:1 - 8.
14. Babatunde, E.B., Aiyelaagbe, I.O.O., Ayodele, V.I. and Oseni, T.O (2000). Cropping sequence as a means of crop production: A case study of an okra-Celosia mixture. *African Journal of Science and Tech* 1 (1) 149 -155.
15. Aiyelaagbe, I.O.O. (2001). Productivity of an intercropped sweet orange orchard in southwestern Nigeria. *Biological Agriculture and Horticulture* 18 (4) 317 -326.
16. Aiyelaagbe, I.O.O. and Kintomo, A.A. (2002). Nitrogen response of fluted pumpkin (*Telfaria occidentalis* Hook.F) grown sole or intercropped with banana. *Nutrient recycling in Agroecosystems* 64, 231 – 235.
17. Umeh, V.C., Aiyelaagbe, I.O.O., Kintomo, A.A. and Giginyu, M.B. (2002). Insect pest situation and farmers' cultural practices in citrus orchards in the southern guinea savannah agro-ecological zone of Nigeria. *Nigerian Journal of Horticultural Science* 7 (1) 26 – 32.
18. Aiyelaagbe, I.O.O., Adeola, A.O., Popoola, L., Obiesan, K.O. and Ladipo, D.O. (2003). The prevalence, farmer valuation and improvement traits of *Garcinia kola* in the rainforest of southwestern Nigeria. *ASSET series A* 3(3) 37- 46.
19. Awolaja, M.A., Adeola, A.O., Aiyelaagbe, I.O.O. and Adedire, M.O. (2004). The effect of fertilization and pruning additives of two leguminous hedgerow crops on maize yield in an alley farm. *BOWEN Journal of Agriculture*1 (1) 21- 33.
20. Aiyelaagbe, I.O.O., Fagbayide, J.A and Makinde, I.A. (2005). Effects of N fertilization on the vegetative growth of passion fruit seedlings. *Journal of Food, Agriculture and Environment* 3(3/4) 62 – 64
21. Aiyelaagbe, I.O.O., Abiola, I. O, Sadiku, M. A. (2005). Growth response of juvenile passion fruit to organic and inorganic fertilizers in southwestern Nigeria. *Nigerian Journal of Horticultural Science* 10: 12 – 17.
22. Aiyelaagbe, I.O.O., Keutgen,N. and Noga,G. (2005). Growth of lemon (*Citrus limon* L. Burm) in response to water stress and shading. *Nigerian Journal of Horticultural Science* 10:18 -22.
23. Aiyelaagbe, I.O.O., Keutgen,N. and Noga,G. (2005). Photosynthesis, Light acclimation of photosynthesis and chlorophyll fluorescence of lemon in response to water stress and shading. *Environmental Control in Biology* 43 (3) 283 – 290.
24. Akinyemi, S.O.S., Makinde, J. O., Aiyelaagbe, I. O. O., Tairu, F.M. and Falohun, O.O. (2006). Growth and yield response of 'Sunrise solo' papaya to weed management strategies. *Biological Agriculture and Horticulture* 23:383 – 392.

25. Aiyelaagbe, I. O. O. and Abiola, I. O. (2008). Growth and yield response of yellow passionfruit to organic and inorganic fertilizers in southwestern Nigeria. *Acta Horticulturae* 767:441- 446.
26. Aiyelaagbe, I. O. O., Joseph, T. T. and Adedokun, T. A. (2009). Prevalence, use and valuation of spices in selected towns in Oyo and Ogun States, southwestern Nigeria. *Nigerian Journal of Horticultural Science* 14:89-92
27. Dipeolu, A. O., Phillip, B. B., Aiyelaagbe, I. O. O., Akinbode, S. O. and Adedokun, T. A. (2009). Consumer awareness and willingness to pay for organic vegetables in southwestern Nigeria. *Asian Journal of Food & Agro-Industry* 2: 257 – 265.
28. Olubode, O.O. **Aiyelaagbe I.O.O.** and Bodunde J.G. (2010). Growth, yield and productivity responses of okra-papaya mixture to intercropping in South West Nigeria. *Journal of Applied Horticulture* 11 (2) 153 – 159.
29. Phillip, B., Shittu, M. A., Aiyelaagbe, I. O. O. and Adedokun, T. A. (2009). Economic potentials of plantain and fluted pumpkin intercropping as a poverty reduction strategy in south western Nigeria. *World Journal of Agricultural Sciences* 5 (5) 525 – 534
30. Adejuyigbe, C.O., Adesodun, J.K., Harris, P.J.C. and Aiyelaagbe, I. O. O. (2012). Potential of on-farm produced compost and organic amendments in soil fertility management for organic maize production in southwestern Nigeria. *Archives of Agronomy and Soil Science* 58 (Supplement 1) S170-174
31. Olubode, O. O., **Aiyelaagbe, I. O.O.**, and Bodunde, J. G. (2012). Effect of stage of introduction on performance of okra as an intercrop in pawpaw orchards. *Biological Agriculture and Horticulture* 28 (1) 61-70.
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33. Olosunde, O. M., Aiyelaagbe, I. O. O. and Bodunde, J. G. (2013). Effects of type of cutting and growth medium on vegetative propagation of scorpion orchid (*Arachnis maingayi*) Hook, F. Schltr. *Nigerian Journal of Horticultural Science* 17: 108-114
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35. Koura, T.W., Adedokun, T., Aiyelaagbe, I.O.O., Kindomiihou, V., Harris, P., Sinsin, B. (2013). Growth and yield of three indigenous vegetables (*Amaranthus caudatus* L., *Celosia argentea* L., *Corchorus olitorius* L.) grown in soil supplemented with poultry manure *NISEB Journal* 13 (1-2):13-18.
36. Odeyemi, O.M., Aiyelaagbe, I.O.O., Bodunde, J.G. and S.O. Babalola. (2013). Growth and yield response of pawpaw (*Carica papaya* L) to organic and conventional production systems. *Journal of Organic Agriculture and Environment (JOAEN)* 1:4-12.
37. Atungwu, J. J., Oladeji, O. A., Aiyelaagbe, I. and Olabiyi, T. I. (2014). Influence of rock-based soil re-mineralisation on root-knot disease of organic watermelon plants. *Archives Of Phytopathology And Plant Protection* 47 (12) 1489-1496.

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41. Olubode, O. O., Odeyemi, O. M. and Aiyelaagbe, I. O. O. (2016). Influence of environmental factors and production practices on the growth and productivity of pawpaw (*Carica papaya* L) in south western Nigeria – A review. *Fruits* 71 (6):341- 361
42. Animashaun, O., Popoola, A. R., Enikuoehin, O. A. Aiyelaagbe, I. O. O. and Imonmion, J. E. (2017). Induced resistance to Fusarium wilt (*Fusarium oxysporum*) in tomato using plant growth activator Acienzolar-S-methyl. *Nigerian Journal of Biotechnology* 32: 83 – 90.
43. Aiyelaagbe, I. O. O. (2017). Opportunities and constraints for mobilizing agriculture for job creation. *Journal of Sustainable Development* 14(1/2) 22 – 29.
44. Olasupo, I., Aiyelaagbe, I. O. O., Makinde, W. A. and Afolabi, W. (2018). Growth, yield, and nutritional composition of plastic tunnel-grown lettuce in response to poultry manure. *International Journal of Vegetable Science* DOI: [10.1080/19315260.2018.1444693](https://doi.org/10.1080/19315260.2018.1444693)
45. [Abiola, I. O. and Aiyelaagbe, I. O. O. \(2019\). Growth and yield of yellow passion fruit \(*Passiflora edulis* var. *flavicarpa* Deg.\) in response to organic fertilizer. *Journal of Production Agriculture and Technology* 15\(2\) 158 - 165](#)
46. Nasir, S., Olatunde, G. Adebowale, A. and Aiyelaagbe, I. (2019). Optimization of deep-fat frying conditions and quality attributes of orange-fleshed sweet potato crisps by response surface methodology. *Cogent Food & Agriculture*, 5:1, DOI: [10.1080/23311932.2019.1658977](https://doi.org/10.1080/23311932.2019.1658977)
47. Odeyemi, O.M., Aiyelaagbe, I.O.O. and Olubode, O.O. (2019). Quality Changes in Sweet Orange with Fruit Maturity in Tropical Humid Climate. *African Journal of Organic Agriculture and Ecology* 2: 45-53
48. Oghenejoboh, U.M., Aiyelaagbe, O.O., Claudius-Cole, A.O. and Aiyelaagbe, I. O. (2019). Phytochemical analysis and in-vivo activity of *Tagetes patula* extracts on root knot nematodes (*Meloidogyne* species) of tomato. *Nigerian Journal of Science* 53 (1) 19-26.
49. Aiyelaagbe, I. O. O., Fawusi, M.O.A. and Babalola, O. (2020). Response of Pawpaw (*Carica papaya* L.) to soil moisture stress at different developmental stages. *Nigerian Journal of Horticultural Science* 25 (1) 51 - 57
50. Komolafe, [A. F.](#), Adejuyigbe, [C. O.](#), Soretire, A. A. Aiyelaagbe, I. O. O. (2020). Maturity indices of composting plant materials with *Trichoderma asperellum* as activator. *Agricultura Tropica et Subtropica* 53(1):19-27 DOI: [10.2478/ats-2020-0003](https://doi.org/10.2478/ats-2020-0003).

51. Mensah, E.J.A., Kindomihou, V., Tovignan, S., Saïdou, A., Vodouhè, D.S., Aiyelaagbe, I. and Sinsin, B.(2021). Agronomic Responses of *Cymbopogon schoenanthus* L. Spreng., a Sudanese Forage Grass Grown under Compost for a Bio-Ecological Pasture in the Southern Benin. *European Journal of Biology and Biotechnology*, 2(3), pp.64- 69.
52. Ojo, O.O., Makinde, E. A., Olosunde, O. M., Busari, M. A. and Aiyelaagbe, I. O. O. (2021). Growth and flowering response of balsam (*Impatiens balsamina*) to soil textural class. *Nigerian Journal of Horticultural Science* 25: 115 – 122.

Referred Conference Proceedings

53. Aiyelaagbe, I. O. O. and Fawusi, M.O.A. (1992). Out of season pawpaw production in Ibadan, southwestern Nigeria. In “*Proc.10th Annual conf. Horticultural Society of Nigeria (HORTSON)* 6 – 10 November 1988, Okada Wonderland via Benin, Nigeria. Egharevba, R. K (*ed.*) pp 139 – 145
54. Aiyelaagbe, I. O. O. and Fawusi, M.O.A. (1996). Growth response of Homestead Selection pawpaw (*Carica papaya* L.) seedlings to soil moisture stress. In “*Proc. 14th Annual `conf. Horticultural society of Nigeria (HORTSON)* 1 – 4 April, 1996, Ogun State University, Ago-Iwoye, Nigeria”. Adebajo, A., Adedoyin, S.F. and Alabi, D.A. (*eds.*)” pp 127-130.
55. Aiyelaagbe, I. O. O. (1998). Effects of soil moisture stress on the germination and seedling growth of guava (*Psidium guajava*) In “*Proc. 15th Annual conf. Horticultural society of Nigeria (HORTSON)* 8 – 11 April, 1997, National Horticultural Research Institute Ibadan, Nigeria”. Adejoro, M.A.and Aiyelaagbe I .O.O. (*eds.*)”pp 139 – 141.
56. Aiyelaagbe, I. O. O. (1999) Effect of soil moisture stress on the growth of avocado (*Persea amaricana* L.) seedlings. In “*Proc. 16thAnnual Conf. Horticultural society of Nigeria (HORTSON)* 7 – 10 September, 1997, University of Agriculture, Abeokuta Nigeria”. Olasantan, F. O. (*ed.*)” pp 64 – 67.
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59. Aiyelaagbe, I.O.O. and Fawusi, M.A.O. (2000). Effects of irrigation on the performance of a papaya – okra mixture. In “*Proc. 12th National Irrigation and Drainage seminar, 14 – 16 April 1998, Institute for agricultural research, Samaru, A.B.U,Zaria. Nigeria*”. Ramalan, A.A. (*ed.*)” pp 117 – 122
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73. Abiola, I., and Aiyelaagbe, I. 2011. Comparative study of response of passion fruit to two organic fertilizers. In '*Proceedings of the Conference of ISOFAR 'Organic is life: Knowledge for tomorrow'*' 28 September -01 October 2011 Vol 1. Namyangu, Republic of Korea. Nuehoff, D., Sohn, S.M., Ssekyewa, C.(eds.)pp467 - 470
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