



Brief Biography

Olubukola M. Odeyemi is a Senior Lecturer in the Department of Horticulture, Federal University of Agriculture, Abeokuta. She is actively involved in teaching, research and extension services centered around Postharvest Science and Technology of crops. Her research focus is on pre-harvest factor management on postharvest quality of crops, use of low-cost storage media in the extension of shelf life, produce quality assessment and cold chain management. Olubukola and her team has published in local and international peer reviewed journals and attended several conferences to present the results of their researches. She is an alumnus of the Postharvest Education Foundation, USA and won the Kader Award in 2015. She also works as a volunteer for the Postharvest Education Foundation, a non-profit organization, whose mission is to provide innovative programs that motivate and empower people to reduce food loss and waste. She actively participated in the 2020 UC Postharvest Technology of Horticultural Crops short course organized by UC Davis in California, USA. Outside her busy work schedule, she enjoys crocheting and travelling.

Personal information

- i. Department – Horticulture
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- iv. Rank- Senior Lecturer
- v. Designation – Senior Lecturer
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- viii. Google Scholar Profile- <https://scholar.google.com/citations?user=kFlpUX8AAAAJ&hl=en>
- ix. ORCID Number- <http://orcid.org/0000-0002-1876-1217>
- x. Qualification
 - Federal University of Agriculture, Abeokuta. Nigeria- (Ph.D.) in Horticulture, 2013
 - Coventry University, United Kingdom- (MSc by Research) Sustainable Agriculture, 2008
 - University of Agriculture, Abeokuta. Nigeria- B. Agriculture, 2002
- xi. **Membership of Professional body**
 - International Society for Horticultural Science

- International Society of Organic Agriculture Research
- Horticultural Society in Nigeria
- Organic Agriculture Professionals in Tertiary Institutions in Nigeria

xii. Award Received

- Postharvest Education Travel Grant – 4th All Africa Postharvest Congress and Exhibition, Addis Ababa, Ethiopia- 2023
- Postharvest Education Foundation Registration Grant - UC Davis Postharvest Technology of Horticultural Crops (USA) Virtual Short Course- 2020
- Postharvest Education Travel Grant – 2nd All Africa Postharvest Congress and Exhibition, Nairobi Kenya- 2019
- Postharvest Education Travel Grant – 1st All Africa Postharvest Congress and Exhibition, Addis Ababa, Ethiopia- 2017
- Kader Award by Postharvest Education Foundation, USA- 2015
- ADMI Postharvest Education Foundation Travel Grant - First International Congress on Postharvest Loss Prevention in Rome, Italy 2015
- 2009/2010 A.G. Leventis (Egba) Scholarship Scheme for Doctorate Degree- 2009
- Ogun State Government Scholarship for Master's Degree Study in the United Kingdom (Ogun State Human Capital Development Programme)- 2005

xiii. Research Interest

- Preharvest factor management on postharvest quality of horticultural crops
- Postharvest environment on quality of horticultural produce (e.g use of edible organic coatings in extending the shelf life and maintaining quality of produce)
- Effect of minimal processing on shelf life and nutritional quality of produce
- Clean cold chain management of horticultural produce

xiv. Conferences Attended

- 4th All Africa Postharvest Congress and Exhibition, Addis Ababa, Ethiopia- 2023
- 1st Conference of College of Plant Science and Crop Production, Federal University of Agriculture, Abeokuta- 2023
- 16th National Organic Conference of the Organic Agriculture Professionals in Tertiary Institution in Nigeria, Federal University of Agriculture, Abeokuta- 2023.
- 2nd All Africa Postharvest Congress and Exhibition, Nairobi Kenya- 2019
- 15th National Organic Conference of the Organic Agriculture Professionals in Tertiary Institution in Nigeria, Delta State Polytechnic, Ozoro- 2019.
- 14th National Organic Conference of the Organic Agriculture Professionals in Tertiary Institution in Nigeria, Federal University of Agriculture, Abeokuta- 2018.
- 1st All Africa Postharvest Congress and Exhibition, Addis Ababa, Ethiopia- 2017
- 3rd All Africa Horticultural Congress. Organized by the International Society for Horticultural Science, International Institute of Tropical Agriculture, Ibadan- 2016.
- First International Congress on Postharvest Loss Prevention in Rome, Italy- 2015

xv. Publications

Journal articles in print

- Odeyemi, O.M., Aiyelaagbe, I.O.O., Bodunde, J.G. and Babalola, S.O. (2013): Growth and yield response of pawpaw (*Carica papaya* L.) to organic and conventional production systems. *Journal of Organic Agriculture and Environment*. 1:4-12. Published by Organic Agriculture Professionals in Tertiary Institutions in Nigeria.
- Odeyemi, O.M., Aiyelaagbe, I.O.O., Bodunde, J.G. and Babalola, S.O. (2014): Influence of variety and production system on postharvest quality of pawpaw (*Carica papaya* L.) fruits stored in different Media. *Nigerian Journal of Horticultural Science*. 19:53-60. Published by Horticultural Society Of Nigeria, Nigeria.
- Odeyemi, O.M., Olubode, O.O. and Makinde, E.A. (2015): Effects of organic and conventional production systems on nutrient uptake and residual soil nutrient status of pawpaw (*Carica papaya* L.) orchard. *Journal of Organic Agriculture and Environment*. 3:46-55. Published by Organic Agriculture Project in Tertiary Institutions in Nigeria
- 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. Published by CIRAD/EDP Sciences, France <https://doi.org/10.1051/fruits/2016027>. Indexed in Scopus and Scimago
- Makinde, E.A., Salau, A.W. and Odeyemi, O.M. (2016): Evaluation of poultry manure application rate and plant population on growth, dry matter partitioning and nutrient uptake of Cock's comb (*Celosia argentea* L.). *International Journal of Organic Agriculture Research & Development*. 13:1-17. Published by the Association of Organic Practitioners of Nigeria (formerly NOAN). <https://ijoardjournal.org/index.php/ijoardjournal/article/view/38>
- Makinde, E. A., Salau, A. W., Odeyemi, O. M. and Akhimien, O. (2018): 'Egusi' Melon Seed Yield, Proximate Content and Soil Nutrient Changes with Poultry Manure Fertilization. *Journal of Plant Nutrition*. 41 (15): 1916-192. Published by Taylor and Francis, United Kingdom. <https://doi.org/10.1080/01904167.2018.1484471>. Indexed in Scopus
- Makinde, E.A., Odeyemi, O.M. and Salau, A.W. (2018): Plant population and poultry manure rates affects leaf development, dry matter partitioning and nutrient uptake in Jew's Mallow (*Corchorus olitorus* L.). *Journal of Organic Agriculture and Environment*. 6:46-55. Published by Organic Agriculture Project in Tertiary Institutions in Nigeria. <http://oaptin.org/index.php/JOAEN/article/view/40>
- Kitinoja, L., Odeyemi, O.M., Dubey, N., Musange, S. and Gill, G. (2019): Commodity System Assessment Methodology studies on tomato in Sub sahara Africa and Southern Asia. *Journal of Horticulture and Postharvest Research*. 2:1-14. Published by University of Birjand, Iran. https://jhpr.birjand.ac.ir/article_957_0fbcc5197859d0b537b82458cd048e1e.pdf
- Odeyemi, O.M., Makinde, E.A. and Ojetayo. A. (2019): Physico-chemical composition and sensory acceptability of sweet orange (*Citrus sinensis* L. osbeck) fruits degreened with

some climacteric fruits. *Journal of Postharvest Technology* 7(2): 21-30. Published by Info Facility Publishers, India. <http://jpht.in/issue-detail.aspx?IssueID=23>

- Odeyemi, O.M., Ajibola, O.W., Olubode, O.M. and Makinde, E.A. (2019): Postharvest quality of sweet orange fruits in response to soil amendments and harvest time in South Western Nigeria. *International Journal of Organic Agriculture Research and Development*. 15:1-13. Published by Association of Organic Agriculture Practitioners of Nigeria (formerly NOAN). <https://iJoardjournal.org/index.php/iJoardjournal/issue/view/17>
- Odeyemi, O.M. (2019): Postharvest handling practices and losses of some major fruits sold in Abeokuta, South-western Nigeria. *Nigerian Journal of Horticultural Science*. 24 (1): 113-121. Published by Horticultural Society of Nigeria, Nigeria.
- Ojeleye, A.E., Bodunde, J.G., Aiyelaagbe, I.O.O., Sobukola, O.P. and Odeyemi, O.M. (2019): Evaluation of some botanicals as ripening inducers in some quality attributes of banana. *Nigerian Journal of Horticultural Science*. 24(3):107- 112. Published by Horticultural Society Of Nigeria, Nigeria.
- Odeyemi, O.M., Aiyelaagbe, I.O.O. and Olubode, O.O. (2019): Quality changes in sweet orange (*Citrus sinensis* cv Agege 1) with fruit maturity in tropical humid climate. *African Journal of Organic Agriculture and Ecology* 2:45-53. Published by Network of Organic Agriculture Researchers in Africa
- Makinde, E.A., Adeyemi, O.R., Odeyemi, O.M., Salau, A.W. and Abiodun, O.L. (2020): Comparison of weed suppression ability and yield of two okra cultivars and with different planting density. *Tropical and Subtropical Agroecosystems*. 23 (2): 1-7. Published by Universidad Autonoma de Yucatan, Mexico. <https://www.revista.coba.uady.mx/ojs/index.php/TSA/article/view/2927>. Indexed in Scimago
- Ayeni, O.S., Makinde, E.A., Odeyemi, O.M. and Sobukola, O.P. (2020): Plant density due to intra-row spacing on growth, weed control and yield of Goldern Melon. *International Journal of Vegetable Science*. 27(4): 315– 326. Published by Taylor and Francis Group, United Kingdom. <https://doi.org/10.1080/19315260.2020.1791299>. Indexed in Scopus
- Ayeni, O.S., Makinde, E.A., Odeyemi, O.M. and Sobukola, O.P. (2020): Effects of population density due to intra row spacing on postharvest quality of Goldern melon fruits. *Nigerian Agricultural Journal*. 51 (3): 248-253. Published by Agricultural Society of Nigeria. <http://www.ajol.info/index.php/naj>
- Makinde, E.A., Adeyemi, O.R., Odeyemi, O.M., Salau, A.W. and Abiodun O. L. (2021): Planting density on weed suppression and yield of okra. *International Journal of Vegetable Science*, 27 (3): 260 -267. Published by Taylor and Francis, United Kingdom. <https://doi.org.10.1080/19315260.2020.1777495>. Indexed in Scopus
- Salawu, O.I., Banjo, E.G., Olubode, A.A., Odeyemi, O.M., Olubode, O.O. and Chikaleke, V.A. (2021). Seedling growth and nutrient uptake of African Star Apple (*Chrysphyllum albidum*) in response to soil type and AMF inoculum. *Nigerian Journal of Horticultural Science*. 26(1): 77-88. Published by Horticultural Society of Nigeria , Nigeria.
- Makinde, E.A., Odeyemi, O.M., Odedina, J.N., Adebisi, A.A., Ayeni, O.S. and Okparaojiego, C.J. (2021): Evaluation of post-manure application planting time and poultry manure rate on growth, seed yield and yield components of Egusi melon. *Nigerian Agricultural*

Journal. 52 (3):1-9. Published by Agricultural Society of Nigeria.
<http://www.ajol.info/index.php/naj>

- Odeyemi, O.M. and Ojeleye, A.E. (2021): Physicochemical properties, proximate composition and sensory evaluation of pineapple fruit (*Ananas comosus*) stored in different media. *Journal of Agricultural Science and Environment*. 21(1&2):53-60. Published by the Federal University of Agriculture, Abeokuta.
<http://journal.unaab.edu.ng/index.php/JAgSE/issue/view/131>
- Makinde, E.A., Odeyemi, O.M., Abiodun. O.L. and Ayeni, O.S. (2022): Plant spatial arrangement on growth, weed control and yield of okra. *International Journal of Vegetable Science*, 28 (1): 3-14. Published by Taylor and Francis, United Kingdom.
<https://doi.org.10.1080/19315260.2020.1816592>. Indexed in Scopus
- Makinde, E.A., Okparavero, O.O., Odeyemi, O.M., Salau, A.W. and Ayeni, O.S. (2022): Manure and Okra intercrop population on egusi melon seed yield. *Nigerian Journal of Horticultural Science*. 26(3): 10-20. Published by Horticultural Society of Nigeria, Nigeria.
- Odeyemi, O.M., Kitinoja, L., Dubey, N., Musange, S. and Gill, S. G (2022): Preliminary study on improved postharvest practices for tomato loss reduction in Nigeria, Rwanda and India. *African Journal of Science, Technology, Innovation and Development*. 14(6); 1500-1305. Taylor and Francis. United Kingdom
DOI: [10.1080/20421338.2021.1961986](https://doi.org/10.1080/20421338.2021.1961986). Indexed in Scopus

Papers in Edited Conference Proceedings:

- Odeyemi, O.M., Bodunde, J.G. and Olufade, O.T. (2015): Low cost postharvest storage technology for smallholder fruits and vegetable farmers in South Western, Nigeria. In: Developing Measurement Approaches and Intervention Strategies for Smallholders. Proceedings of the First International Congress on Postharvest Loss Prevention in Rome, Italy, 4th -7th October, 2015. Kalita, K., Maier, D., Kumar, D. and Partlow, K (Eds). 109-110. Published by ADM Institute for the Prevention of Postharvest Loss, University of Illinois at Urbana Champaign, USA.
- Odeyemi, O.M. and Salau, O.R. (2017): Influence of different edible coatings and storage media on quality and shelf life of cucumber (*Cucumis sativus* L.) fruits. In :Reducing food losses and waste: Sustainable solutions for Africa. Proceedings of the 1st All Africa Postharvest Congress and Exhibition, Kenya, 28th -31st March, 2017. Ambuko, J and Wilson, C. (Eds). 30- 33. Published by the University of Nairobi, Kenya.
- Odeyemi, O.M. and Owolanke, T.A. (2018): Postharvest characteristics of cucumber (*Cucumis sativus*) fruits cultivated on poultry manure amended with wood ash. In: Food Security, Improved Nutrition and Sustainable Agriculture. Proceedings of the 14th Annual National Conference on Organic Agriculture. Federal University of Agriculture, Abeokuta, 25th - 29th November, 2018. Fabunmi, T.O., Olowe, V.I.O. and Sakariyawo, O.S. (Eds). 50- 52. Published by the Organic Agriculture Projects in Tertiary Institution of Nigeria
- Odeyemi, O.M. and Akanbi, M.O. (2019): Efficacy of Some Plant Materials as Ripening Inducers for Banana (*Musa AAA*) Fruits. In: Bridging the Gap between Researchers and Practitioners of Organic Agriculture for Sustainable Production and Consumption. Proceedings of the 15th Annual National Conference on Organic Agriculture, Delta State Polytechnic, Ozoro, Delta State, Nigeria. 25th – 29th November, 2019. Ojeifo, I. M.,

Olowe, V.I.O., Makinde, E.A., Sakariyawo, O.S. and Fabunmi, T.O. (Eds.). 240-246. Published by the Organic Agriculture Projects in Tertiary Institution of Nigeria

Odeyemi, O.M. and Jonah, I.R. (2023): Nutritional quality of minimally processed mango (*Mangifera indica* L. Ogbomoso cv) fruit. In: Organic Agriculture for Food Safety, Wellness and Improved Livelihoods. Proceedings of the 16th Annual National Conference on Organic Agriculture, Federal University of Agriculture, Abeokuta. 21st -25th March, 2023. Makinde, E.A., Odeyemi, O.M., Olorunmaiye, P.M., Fasae, O.A. and Olowe, V.I.O. (Eds.). 13-16. Published by the Organic Agriculture Projects in Tertiary Institution of Nigeria

Chapter in Book

Odeyemi, O.M. and Nnaemeka, C.I. (2022): Solar-powered cold storage ColdHubs in Nigeria. In: *Cold Chain Management for the Fresh Produce Industry in the Developing World (World Food Preservation Center Book Series)*. Tokala, V.Y. and Mohammed, M. (Eds). 213- 255. Published by CRC Press Taylor & Francis Group. DOI: 10.1201/9781003056607-16

Odeyemi, O.M. and Fawole O.A. (2022). African star apple (*Chrysophyllum albidum*). In: *Handbook of phytonutrients in Indigenous fruits and vegetables*. Eds Sivakumar, D., Sultandawa, Y and Netzel, M. 213- 215. Published by CAB International. London, UK. DOI: 10.1079/9781789248043.0000

Olubode, O.O., Odeyemi, O.M. and I.O.O. Aiyelaagbe (2023). Papaya. In Tropical and Subtropical fruit crops: Production, Processing and Marketing. Eds Debashis Mandal, Ursula Wermund, Lop Phavaphutanon and Regina Cronje. Published by Apple Academic Press, USA an Affiliate of CRC Press/Taylor & Francis Group