

## **Publications**

### **(a) Books already published**

- (1) Onokpise, O. U. and **Akinyele, A. O.** (2012). Gene flow conservation in Tropical Forests of Sub-Saharan Africa: Implication for Tree Improvement and Gene Conservation. LAP Lambert Academic Publishing, Germany. Pp 93.
- (2) **Akinyele, A. O.** (2013). Silvicultural Requirements of Seedlings of *Buchholzia coriacea* Engler. LAP Lambert Academic Publishing, Germany. Pp 185.
- (3) **Akinyele, A. O.** (2019). Achieving Sustainable Development through Silviculture: Focus on Tree Domestication. Maiden Faculty Lecture delivered on behalf of Faculty of Renewable Natural Resources, University of Ibadan on 17 July, 2019. Ibadan University Press. 83 pp. ISBN: 978-978-8529-97-2.

### **(b) Chapters in Book already published**

- (1). **Akinyele, A. O.** (2010). *Jatropha curcas*, a future Energy crop and an alternative biofuel. In: Ed. Jekayinfa S.O. (ed.), *Building a non-oil export-based economy for Nigeria: The Potential of value-added products from Agricultural residue*. Alexander von Humboldt Foundation, Bonn, Germany. Pp 387-393. ISBN 978-3-86955-937-7
- (2) Salami, K. D. and **Akinyele, A. O.** (2017). Tree Species Diversity and Abundance in Degraded Gambari Forest Reserve, SouthWest Nigeria. In: Ojurongbe O. (ed.), Translating Research Findings into Policy in developing countries. Contributions from Humboldt Kolleg, Oshogbo-2017. LAP Lambert Academic Publishing, Germany. Pp 276-287. ISBN 978-3-86955-937-7
- (3) **Akinyele, A. O.** (2020). Forest Landscape Restoration, People and Climate Change- A Review. In: Ogunsanwo O.Y., Adewole N. A., Oni, P.I., Idumah, F. (Eds.). Forestry Development in Nigeria: Fifty years of Intervention and Advocacy. Keynote and sub-themes of the 42<sup>nd</sup> annual conference of the Forestry Association of Nigeria. Exotic Dezines Ltd. ISBN: 978-978-310-791-4. Pp161-178

### **(c) Articles that have already appeared in Refereed Conference Proceedings:**

- (1) Okunlola, O. A. and **Akinyele, A. O.** (2011). *In situ* conservation of Indigenous fruit Tree species in Nigeria. (Popoola, L, Ogunsanwo, K. and Idumah, I.- Editors). Proceedings of the 34<sup>th</sup> Annual conference of the Forestry Association of Nigeria, Osogbo, Osun State, Nigeria. 05-10 December, 2011. Vol. 2 pp 32-42.
- (2) Salami, K. D, **Akinyele, A. O.** and Odewale, M. (2014). Mitigation of deforested area, means of sustaining non-timber forest products. In: Somade-Adio, A (ed.), Trade and Investment opportunities in non-timber forest products (NTFPs) in wealth creation and mitigation climate change in Nigeria. Proceedings of the 3<sup>rd</sup> annual conference, Association of Women in Forestry and Environment (AWIFE), Federal University of Technology, Akure (FUTA), Nigeria. May 6, 2014. pp 261-266.

- (3) **Akinyele, A. O.** and Salami, K. D. (2014). Provenance variation of seed and seedling characteristics of *Jatropha curcas* in South Western Nigeria. Forests and Forest Products, Key to sustainable livelihood. (eds) Adedire, M.O., Onyekwelu, J.C., Oke, D.O., Adekunle, V.A.J., Jayeola, O.A. and Oladoye, A.O. 4<sup>th</sup> Biennial Conference of the Forests and Forest Products Society, Federal University of Agriculture, Abeokuta, Nigeria. April 22-26, 2014. Pp149-152
- (4) Salami, K. D. and **Akinyele, A. O.** (2015). Ethnobotanical values of *Jatropha curcas* Linn. in Ibadan metropolis, Nigeria. In: Amusa T.O and Babalola F.D (eds.) Conservation in 21<sup>st</sup> Century Nigeria: Transcending Disciplinary Boundaries. Proceedings of Nigeria Tropical Biology Association (NTBA) 5<sup>th</sup> Annual Biodiversity Conference, FUTA, 19-20 May, 2015. pp 58-62
- (5) Salami, K. D., **Akinyele, A. O.** and Odewale N. (2015). Effect of Organic and Inorganic fertilizer on the growth and development of *Treculia africana* Linn Seedlings. In: Clark, V.E (ed.), Research and Sustainable Development of the Third World: Issues and Insights. Proceedings of International Conference on Humanities, Science and Sustainable development, April 27-30, 2015, Uyo, Nigeria. Pp 153-158.
- (6) Okunlola, O.A. and **Akinyele, A.O.** (2017). *Vitex doniana*: An important indigenous fruit species that is underutilized. Proceedings of the 39<sup>th</sup> Annual conference of the Forestry Association of Nigeria, Forestry Research Institute of Nigeria, Ibadan, Oyo State, Nigeria. 20-24 February 2017. pp 627-633.
- (7) Bello, O. A. and **Akinyele, A. O.** (2017). Root growth assessment of *Pycnanthus angolensis* Welw. for sustainable development. Proceedings of the 39<sup>th</sup> Annual conference of the Forestry Association of Nigeria, Forestry Research Institute of Nigeria Ibadan, Oyo State, Nigeria. 20-24 February 2017. pp 657-665.
- (8) Ogunwande, O. A., **Akinyele, A. O.**, Adegoke, F. F. and Eniola, T. S. (2018). Effects of Light Intensity on growth of *Andrographis paniculata* Ness. In: Agele, S. O. and Oladeji, S. O. (Eds.). Green Environment: Key to Sustainable National Development. Proceedings of World Environmental Conservation Conference. Federal University of Technology, Akure, Nigeria. 5-7 June, 2018. Pp 36-41.
- (9) **Akinyele, A. O.**, Onefeli, A. O. and Ige O. C. (2020). Macropropagation of *Hildegardia barteri* (Mast.) Kosterm using Stem Cuttings and growth promotants. In: Ogunsanwo O.Y., Adewole N. A., Oni, P.I., Idumah, F. (Eds.). Forestry Development in Nigeria: Fifty years of Intervention and Advocacy. Proceedings of the 42<sup>nd</sup> annual conference of the Forestry Association of Nigeria. Exotic Dezines Ltd. ISBN: 978-978-310-496-5. Pp 456-464.
- (10) **Akinyele, A. O** and Solomon, A. (2020). Population distribution and structure of *Afzelia* species in Southwestern Nigeria. In: Ed. LeVan-Green S. "Renewable Resources for a Sustainable and Healthy Future". Proceedings of the 2020 Society of Wood Science and Technology International Convention, Portorož, Slovenia. Pp 291-310.
- (11) **Akinyele, A. O.**, Onefeli, A. O and Fabowale, G (2020). Comparative morphology of the leaf epidermis in four species of *Meliaceae* L. family. The 1st International Electronic

- (12) **Akinyele, A. O.**, and Fayankinnu O. O. (2022). Improving Mass Propagation of *Nauclea Diderrichii* (De Wild.) Merr. Using Single Node Cuttings and appropriate Growth Promotants. In: Olubode, O.S., Agbogidi, M., Ogunkunle, A and Ejikeme A. Natural Ecosystem Sustainability in the 21st Century. Proceedings of the annual conference of Ecological Society of Nigeria at University of Ibadan, May 15-19, 2022. Pp 361-371.

**(d) Articles that have already appeared in learned journals**

- (1). Oni, O. and **Onibokun, A. O.** (2002). Pollen Management and Viability studies in *Bauhinia tomentosa* Linn. *Journal of Tropical Ethnoforestry* (2)2: 79 - 87.
- (2) **Akinyele, A. O.** and Adegeye, A. O. (2010). Morphological traits of *Buchholzia coriacea* a medicinal plant from seven provenances in Nigeria. *Nigerian Journal of Ecology*. 11:29 - 32.
- (3) **Akinyele, A. O.** (2010). Effects of growth hormones, rooting media and leaf size on juvenile stem cuttings of *Buchholzia coriacea* Engler. *Annals of Forest Research* 53(2): 127 - 133.
- (4) **Akinyele, A. O.** and Orosun, B. O. (2010). Seed Pre-Sowing Treatment methods to improve germination of *Dacryodes edulis* (G.Don) H.J. Lam, a Multipurpose Forest Tree Species. *Nigerian Journal of Ecology*. 11:68 - 72.
- (5) **Akinyele, A. O.** and Adegeye, A. O. (2011). Investigation of variability in seed size on seedling establishment of *Buchholzia coriacea* Engler. *Journal of Agricultural Science and Technology B*. 1(4):566 – 572.
- (6) **Akinyele, A. O.** and Adegeye, A. O. (2012). Source Variation in Morphological traits of *Buchholzia coriacea* Engler seedlings. *Journal of Natural Sciences, Engineering and Technology* Vol 11: 72 – 81.
- (7) Onokpise, O. U. and **Akinyele, A. O.** (2012). Mediation of Gene Flow in Tropical trees of Sub-Saharan Africa. *Journal of Forest Science now Journal of Forest and Environmental Science*. 28(1):1 - 7.
- (8) Kareem, A. A., **Akinyele, A. O.**, Adio, A. F. and Iroko, O. A. (2012). Preliminary investigation of the effect of arbuscular mycorrhiza and water stress on *Afzelia africana* (Smith) in different soil media. *Journal of Sustainable Environmental Management*. 4:56 – 62.
- (9) Onefeli, A. O. and **A. O. Akinyele** (2013). Effect of hormone and nodal positions on stem cuttings of *P. angolensis* welw. and *Z. xanthoxyloides* Lam. *Agriculture & Forestry*, 59(2): 127 - 135.

- (10) Olajuyigbe, S. O., **A. O. Akinyele**, S. O. Jimoh and A. O. Adegeye. (2013). Tree species diversity in the Department of Forest Resources Management, University of Ibadan, Nigeria. *African Journal of Sustainable Development*. 3(1):124-135.
- (11) Abdullahi, I. N, and **Akinyele, A. O.** (2013). Shoot Proliferation Using Cotyledonary Nodes of locally Conserved *Parkia biglobosa* (Jacq.) Benth Seeds. *International Research Journal of Plant Sciences* 4(10):302 - 309.
- (12) **Akinyele, A. O.** and Maradesa, B. O. (2013). Propagation of *Tetrapleura tetraptera* (Schum & Thonn) Taub. Using tissue culture. *Forest and Forest Products Journal*. Vol 6:1-8
- (13) **Akinyele, A. O.**, Oluwadare, A. O. and Aina, S. (2013). Effect of inorganic fertilizer on the growth of *Khaya senegalensis* seedlings. *Journal of Agriculture, Forestry and Social Sciences*. Vol 11 2: 232 - 240
- (14) Adegoke, F. F., **A. O. Akinyele** and Ogunwande, O. A. (2014). Effect of Seed Size and Source on Early Seedling Growth of *Terminalia ivorensis* (Chev.) *Agriculture & Forestry* 60 (2) pp 157- 166.
- (15) Awosan, E. A., Oni P. I. and **Akinyele, A. O.** (2014). Effect of cutting positions and growth regulators on rooting ability of *Griffonia simplicifolia* (Vahl ex DC.) Baill. *Elixir Environment & Forestry* 75: 27588-27591
- (16) **Akinyele, A. O.** and Onasanya, O. D. (2014). Effect of Pre-Treatments and Sowing Media on Germination of *Tetrapleura tetraptera* (Schum. & Thonn) seeds. *Nigerian Journal of Ecology*. Vol. 13:47-53.
- (17) Okunlola, O. A. and **Akinyele, A. O.** (2014). Sustainable management of the Nigerian forests for poverty alleviation. *Journal of Agriculture, Forestry and Social Sciences*. Vol 12. 176-181.
- (18) Onefeli, A. O. and **Akinyele, A. O.** (2014). Macropropagation of *Dennettia tripetala* Baker f. *South-east European forestry Journal* 5 (2): 135 - 144.
- (19) **Akinyele, A. O.** and Mbadikwe, I. V. (2014). Propagation of *Centella asiatica* Linn. (Gotu kola) using different Growth Media. *Ibadan Journal of Agricultural Research*. Vol 10 pp 13-24.
- (20) **Akinyele, A. O.** and Dada, G. I. (2015). Growth Response of *Terminalia superba* (Engl. & Diels) Seedlings to Mycorrhiza, Watering Regime and Light Intensity. *Academic Journal of Sciences* Volume 4 (1):15-25
- (21) Usman, I. A. and **Akinyele, A. O.** (2015). Effects of Growth Media and Hormones on the Sprouting and Rooting Ability of *Massularia acuminata* (G. Don) Bullock ex Hoyl. *Journal of Research in Forestry, Wildlife and Environment*. Volume 7(2) pp138-146.
- (22) Oyedeji, O. F. and **A. O. Akinyele** (2016). Effects of Light Intensity on Growth of *Dialium guineense* Willd seedlings. *Environtropica*, Vols. 12 & 13, 53-60.

- (23) **Akinyele A. O.**, Adegeye A. O. and Omidun O. (2016). Effect of sowing media and watering regimes on germination and early growth of *Annona muricata* Linn. *ASUU Journal of Science* Volume 3(1) 1-14
- (24) **Akinyele, A. O.**, Adegeye, A. O; and Akinrinola O. A. (2016). Effect of different watering regimes and light Intensity on the growth of *Entandrophragma cylindricum* (Sprague) seedlings. *NSUK Journal of Science and Technology*. Volume 6(1) 56-59.
- (25) Wakawa, L. D and **Akinyele, A. O.** (2016). Effects of pretreatment on the germination response of old seeds of *Tetrapleura tetraptera* (Schum & Thonn) Taub. *Journal of Forest Science and Environment*. Vol. 1(2): 81-86
- (26) **Akinyele, A. O.** and Adzandeh, A.M. (2016). Improving mass propagation of *Alstonia boonei* De Wild from stem cuttings: requirement for cutting dimension and growth promotants. *Applied Tropical Agriculture*. Volume 21(1): 145-152
- (27) Salami, K. D., **Akinyele A. O.**, Adekola P. J. and Odewale M. A. (2016). Tree species composition and regeneration potential of Onigambari Forest Reserve, Oyo State. *Direct Research Journal of Agriculture and Food Science* Vol.4 (3) pp39-47
- (28) Iloh, A. C., Orosun B., **Akinyele, A. O.** and Onyenekwe P. C. (2016). Genetic Assessment of the Shrub *Syncepalum dulcificum* (SCHUMACH & THONN.) Daniell in Nigeria Using the Randomly Amplified Polymorphic DNA (RAPD). *International Journal of Genetics and Genomics*. Vol. 4(6) pp. 45-50.
- (29) **Akinyele, A. O.** and Orosun B. O. (2016). Influence of hormone in the propagation of *Synsepalum dulcificum* (Schumach & Thonn.) Daniell. *Ghana Journal of Forestry*. Vol. 32 pp.16-23.
- (30) Bello, O. A. and **Akinyele A.O.** (2016). In vitro seed germination of *Pycnanthus angolensis* (Welw.) *African Journal of Agriculture, Technology and Environment* Vol. 5(2): 40-50.
- (31) Bello, O. A. and **Akinyele A.O.** (2016). Effects of priming and inoculation media on in vitro germination of *Zanthoxylum zanthoxyloides* (Lam.) seed. *African Journal of Agriculture, Technology and Environment* Vol. 5(2): 1-10.
- (32) Kazeem-Ibrahim, F., **Akinyele A. O.** and Asinwa, O. I. (2016). Influence of different storage temperatures and periods on the germination of *Caesalpinia bonduc* (L.) Roxb seeds. *Journal of Forestry Research and Management*. Volume 13:71-82.
- (33) **Akinyele, A. O.** and Ajayi, A.O. (2017). The effect of pre-treatment and storage conditions on the germination potential of *Albizia lebbeck* (l.) Benth. and *A. odoratissima* (l.f.) Benth. Seeds. *Tanzania Journal of Forestry and Nature Conservation*, Volume 87(1): 39-50.
- (34) **Akinyele, A. O.** and Wakawa, L. D. (2017). Physiological response of *Tetrapleura tetraptera* (Schum. and Thonn.) Taub. to soil textural class, moisture and light intensity *Journal of Forest and Environmental Science*. 33(2) 97-104

- (35) Agwu, O. P, **Akinyele, A. O.** and Aduradola, A. M. (2017). Agroforestry Potential of *Dacryodes edulis* (G. Don) HJ Lam: A Tool for Agro Industry Innovation in South West Nigeria. *Journal of Agricultural Science and Food Research* 8: 190.
- (36) Bello, O. A. and **Akinyele A. O.** (2018). Qualitative morphology of *Pycnanthus angolensis* (Welw.) fruits and seeds. *African Journal of Agriculture Technology and Environment* Vol. 7(2):90-98.
- (37) Bello, O. A. and **Akinyele, A. O.** (2018). Population Distribution and Diversity of *Pycnanthus angolensis* in Southwest, Nigeria. *Journal of Natural Sciences, Engineering and Technology* (Formerly ASSET Journal series B). Vol. 17: 21-27.
- (38) Salami, K. D. and **Akinyele, A. O.** (2018). Floristic Composition, Structure and Diversity Distribution in Omo Biosphere Reserve, Ogun State, Nigeria. *Ife Journal of Science* Vol. 20(3):639-648.
- (39) **Akinyele, A. O.**, Bown, D. and Appiagyei, B.D. (2018). Species composition and diversity in IITA Forest Reserve, Ibadan, Oyo State, Nigeria. *Tanzania Journal of Forestry and Nature Conservation*, Volume 87(2): pp1-17.
- (40) Bolanle-Ojo, O. T, **Akinyele, A. O.** and Aduradola, A. M. (2018). Morphological and Physiological Response of *Artocarpus heterophyllus* Lam. (Jackfruit) Seedlings to Selected Environmental Factors. *Journal of Agricultural Science and Food Research* 9: 211.
- (41) Onefeli, A. O. **Akinyele, A. O.** and Fatoba, H. T. (2019). Agroforestry potential of *Ricinodendron heudelotii* (Baill.) Pierre ex Pax in Nigeria. ŽEMĖS ŪKIO MOKSLAI. T. 26. Nr. 2. P. 94–102. Lietuvos mokslų akademija
- (42) **Akinyele, A. O.** and Ayinde, M. O. (2019). Effects of light intensity and drought stress on growth and biomass allocation of *Parkia biglobosa* (Jacq.) Benth seedlings *Ghana Journal of Forestry*, Vol. 35:98 – 111
- (43) Bello, O. A. and **Akinyele, A. O.** (2020). Fruits and seeds source variability studies of *Pycnanthus Angolensis* (Welw.). *European Journal of Biotechnology and Bioscience*. Volume 8(4): 27-32.
- (44) Salami, K. D., **Akinyele, A. O.** and Jibo, A. U. (2020). Population density and values of avenue trees: a case study of Ibadan metropolis, Oyo State, Nigeria. *FUDMA Journal of Sciences*, 4(1), 163 - 170.
- (45) Kazeem-Ibrahim, F., **Akinyele, A. O.** and Asinwa, I. O. (2020) Effect Of Seed Size variation and sowing media on the germination performance of *Caesalpinia bonduc* (L) Roxb *Journal of Research in Forestry, Wildlife & Environment* Volume 12(2):257 – 262
- (46) Ibeh, K. G. and **Akinyele, A. O.** (2020) Effect of pawpaw latex, plantain stem juice and sulphuric acid on seed germination of *Albizia lebbeck* (L.) Benth. *Journal of Research in Forestry, Wildlife & Environment* Volume 12(2): 277 – 285

- (47) Yakubu, F.B. and **Akinyele, A. O.** (2021). Scion Source Effects on the Growth Performance of Grafted Seedlings of *Garcinia kola* Heckel *Singapore Journal of Scientific Research*, Volume 11(1): 10-16
- (48) **Akinyele, A.O.** and Donald-Amaeshi, U. (2021). Leaf litter decomposition and nutrient release of three selected agroforestry tree species. *Agroforestry Systems*. 95, p 559–570 <https://doi.org/10.1007/s10457-021-00606-w>
- (49) Appiagyei B. D. and **Akinyele A. O.** (2021) Natural regeneration status and soil seed bank composition in IITA Forest Reserve, Ibadan, Oyo State, Nigeria, Southern Forests: a Journal of Forest Science, 83:1, 1-9, DOI: [10.2989/20702620.2020.1759293](https://doi.org/10.2989/20702620.2020.1759293)
- (50) Bello. A., **Akinyele, A. O.** and Bello, F. A. (2021). Performance of Nodal Explants of *Pycnanthus angolensis* on different Ascorbic Acid Concentrations. *Nature and Science* Volume 19, 8:33-39
- (51) Bandoh, W.K.N., Adjonou, K. Segla, K., Dumenu, W.K., Johnson, B.N., Alaba, P., Kokutse, A.D., Rabiou, H.G., Ouinsavi, C.A.I.N, Jimoh, S.O., Akinyele A. and K. Kokou (2022). Towards Sustainable Management of African Rosewood in West and Central Africa: A Scoping Review of Current Research. *International Forestry Review* Vol.24 (2): 129-144
- (52) Kolapo, S. R, Akinyele, A. O., Jimoh S. O and M. A. Kolapo (2023). Propagation of *Pterocarpus erinaceus* Poir. seeds from four vegetation zones of Nigeria, using different pre-sowing treatments and sowing media. *Journal of Biodiversity and Environmental Sciences* Vol. 22(5): 92-103.
- (a) Technical Report and Training manuals**
- (1) **Akinyele, A. O.** (2013). FRM 314 Principles of Silviculture. Ibadan Distance Learning Center Series. University of Ibadan Distance Learning Center. 57 pp. ISBN: 978-021-635-9.
  - (2) **Akinyele, A. O.** (2016). FRM 517 Forest Soils. Ibadan Distance Learning Center Series. University of Ibadan Distance Learning Center. 55 pp. ISBN: 978-620-2-05009-8.
  - (3) Akinbile, C.O., **Akinyele, A. O.**, Motala-Timol, S. and Yesu, M.B. (2016). Young Scientists' Perspectives on "Climate Change Adaptation and Resilience in Africa, Recommendations to Policy Makers". Report on the booklet, 'Climate Change Adaptons and Resilience in Africa', Network of African Science Academies (NASAC). Global Young Academy. [https://saa.project.globalyoungacademy.net/wp-content/uploads/sites/14/2016/12/Commentary\\_Climate-1.pdf](https://saa.project.globalyoungacademy.net/wp-content/uploads/sites/14/2016/12/Commentary_Climate-1.pdf)