

Publications

a) Books :

1. Ajani, E. K., **Akinwale, A. O.** and Ayodele, I. A. **(2011):** *Fundamentals of Fish Farming in Nigeria*. Walecrown Ventures, Ibadan.158 pages.ISBN 978-245-543-1

b) Chapters in Books :

2. **Akinwale, A. O. (2011):** Design and Operation of Recirculating Fish Production System. In: Aiyeloja, A.A and Ijeomah, H.M (eds) *Book of Reading in Forestry, Wildlife Management and Fisheries*. Topbase Nig. Limited Port-Harcourt. 823- 852. ISBN 978-978-919-624-1.
3. **Akinwale, A. O. (2011):** Fish Farm Biosecurity and Facilities Maintenance. In: B. O .Omitoyin and A. O. Abobarin (eds) *The Prevalence of Farmed Catfish Diseases in Nigeria*. Walecrown Ventures, Ibadan. 41-54.
4. **Akinwale, A. O. (2013):** Design and Construction of Pig House under Integration of Fish with Pig and Rice. In: Omitoyin, B.O., Ajani, E.K. and Akinwale, A.O. (eds.) *Integrated Fish Farming: Fish, Rice and Pig*. Printplace Concepts. 1-8. ISBN 978-978-31064-6-1.

c) Refereed Conference Proceedings:

5. Ogedengbe, K. and **Akinwale, A. O. (2000):** Evaluation of Goat and Poultry Manure as Soil Amendments for Okra Production on Sandy Loam Soil in Kaduna State of Nigeria. In: Nigerian Institution of Agricultural Engineers (eds) *Proceedings of the First International Conference of the Nigerian Institution of Agricultural Engineers (NIAE)*. Ibadan, Nigeria.11th -15th September, 2000. Vol.2: 140-143.
6. **Akinwale, A. O.** and Faturoti, E. O. **(2005):** Operational Profile of Recirculating Fish Production Facilities in Ibadan, Nigeria. In: A.M. Orheruata, S.O.Nwokoro, M.T. Ajay, S.T. Adekunle and G.N. Asumugha (eds). *Proceedings of the 39th Annual Conference of the Agricultural Society of Nigeria*, Benin City, Nigeria .9-13 October, 2005:404-407.

7. **Akinwale, A. O.** and Omole, A. O. **(2010)**: Highlights of the Potentials of Bamboo in Reducing Operational Cost of Fish Farming in Nigeria. In: J.C. Onyekwelu,V.A.J.Adekunle and D.O.Oke (eds). Proceedings of the 2nd Biennial conference of the Forest and Forest Products Society of Nigeria, Akure, Ondo State, Nigeria, 26 – 29 April, 2010.: 437-440.

8. **Akinwale, A. O.**, Omitoyin, B. O. and Amole, J. O.**(2010)**: Evaluation of Growth Performance of *Clarias gariepinus* Juveniles in Static Water Exchange and Water Reuse Culture Facilities In: T.T Rakestraw and L.S. Douglas (eds). Proceedings of the 8th International Conference on Recirculating Aquaculture.Roanoke, Virginia, United States of America. August 20-22, 2010:107-109

9. Olanrewaju, A. N., Agbelege O. O. and **Akinwale, A. O. (2012)**: Aquaponics: A New Trend in Food Production. In: A.O. Adeyemo, J.F. AlfredOckiya,M.E., Allison, R.I., Keremah, A.J.T. Otobotekere, C.C. Tawari, T. Kingdom and O.A. Aghoghovwia (eds). Proceedings of the 27th Annual Conference of FISON, Niger Delta University, Bayelsa State, Nigeria. 25-30 November 2012: 98-101

10. **Akinwale, A. O. (2013)**: Greening Nigerian Economy; A look at Sustainable Aquaculture Production Systems and Challenges. In: Labode Popoola, F.O.Idumah, O.Y.Ogunsanwo and I.O.Azeez (eds). Proceedings of the 35th Conference of the Forestry Association of Nigeria. 11-16 February, Sokoto, Sokoto State, Nigeria.: 625-631.ISBN 978-245-751-5.

11. Ayanboye, A. O., **Akinwale, A. O.** and Adedokun M. A. **(2013)**: Perceived Effect of Deforestation for Charcoal Production on Water Availability for Fish Farming in Ibarapa Area, Oyo State, Nigeria. In: Derkyi M., Awuah, E., Obeng-Ofori,D.,Derkyi, N.S.A. and Owusu- Ansah, F.(eds) Technical Proceedings of the Second Africa Regional Conference of the Organization for Women in Science for the Developing World. 15-18 October, Sunyani, Ghana. 899-909.

12. **Akinwale, A. O.** and Ojo-Awo, A. P. **(2013)**: The Role of Algaculture in Solving Energy Sustainability Crises. In: Labode Popoola, O.Y.Ogunsanwo, P.I.Oni, F.O.Idumah and A.O.Akinwale (eds). Proceeding of the 36th Conference of the Forestry Association of Nigeria. 11-16 November, Uyo, Akwa Ibom State, Nigeria. Vol. 2:186-196.ISBN 978-978-50793-7-1.

13. Adesina, B. T., Omitoyin, B. O., **Akinwale, A. O.**, Adesina, O. A., and Afolayan, J. L.**(2014)**: Fresh Root-Bark Extract of *Moringa oleifera* (Lam) Induced Histopathological Changes in the Liver of Freshwater Fish, *Oreochromis niloticus* (L.).In:A.R.Abdullah,G.O. Tayo, A. O.Okubanjo and O. A. Akinsoyinu (eds). Proceedings of the 39th Conference of the Nigerian Society for Animal Production. 16-19 March, Ilishan-Remo, Ogun State, Nigeria. 432-435. ISSN:1596-5570. March, 2014.

14. Dauda, A. B. and **Akinwale, A. O. (2014)**: Performance of Palm Kernel shell as a Denitrification Media at Different Drying Times in Recirculating Aquaculture System. *Proceedings of the*

10th International Conference on Recirculating Aquaculture. The Hotel Roanoke and Conference Center, Roanoke, Virginia, United States of America. August 22-24, 2014:116-117

15. Ajani, E. K., Omitoyin, B.O., **Akinwole, A.O.**, Fregene, B. T., Adeshinwa, A. O. K., Kazeem, K. O., Osho. E. F. and Olojo, B.O.(2014) : Biological Factors and Performance Indicators under Integration of Fish, Poultry And Rice Production. *Proceeding of the Humbolt Kellog Conference, Federal University of Technology Akure, Ondo state, Nigeria. Sept 29- Oct., 1, 2014.* Pp 13

16. Fregene, B. T., Ajani, E. K., Omitoyin, B.O., **Akinwole A.O.**, Adesehinwa A. O. K., Kareem, K. O., **Osho. E. F.** And Onoda, O. A. (2014): Production Indices and Profitabilty Analysis of Integrated Fish Farming (Fish, Rice, Poultry and Pig Production). *Proceeding of the Humbolt Kellog Conference, Federal University of Technology Akure, Ondo state, Nigeria. Sept 29- Oct., 1, 2014.* Pp 47

17. Rurangwa, E., S.K. Agyakwah, O.M. Onagbesan, B.G. Abiona, **Akinwole, A.O.**, S. Touré, and Bolman, B.C. (2015): Aquaculture Development in West Africa; Opportunities and Bottlenecks. *Proceedings of the International Conference: Aquaculture Europe 2015, Rotterdam, Netherlands 9-13 October, 2005:404-407.*

18. **Akinwole, A. O.**, Akinbebije, T.O. and A.B. Dauda (2015): Performance of Maize seed Powder as Coagulant in the Treatment of Fish Culture Effluent. *Proceedings of the 30th Annual Conference of Fisheries Society of Nigeria, Asaba, Delta State, Nigeria, 22 – 27 November, 2015: 126-128.*

19. **Akinwole, A. O.**, Dauda, A.B. and E.C. Nwolisa (2015): Effect of Wastewater from African Catfish (*Clarias gariepinus*) on Growth Performance of Okra (*Abelmoschus esculentus*) under Combined Culture System. *Proceedings of the 30th Annual Conference of Fisheries Society of Nigeria, Asaba, Delta State, Nigeria, 22 – 27 November, 2015: 668-670.*

20. **Akinwole A. O.**, Dauda, A.B. and Oyewole, E.B. (2016): Evaluation of Growth and Fruit Quality of Cucumber (*Cucumis sativus*) Irrigated with African Catfish Culture Wastewater. *Proceedings of the First International Conference of The Ivorian Association for Agricultural Sciences (AISA/IAAS) held at the Foundation Felix Houphouet-Boigny, Yamoussoukro, Cote d'Ivoire. February 16-20, 2016.*

d) Articles in learned journals

21. Ogedengbe, Kola, **Akinwole, A. O.** and Babatunde, A. O. (2003): Effluents Characteristics of Selected Industries in Western Nigeria and Implications for Re-Use in Agricultural Production. *Journal of Environmental Extension. Vol. 4: 79-82.*

22. **Akinwale, A. O.** and Sangodoyin, A. Y. (2003): A Comparison of Three Methods of Estimating Onset and Cessation dates of Rainfall in Sub-Sahara Region: a case study of International Institute of Tropical Agriculture, Ibadan, Nigeria. *Journal of Tropical Forest Resources*. Vol.19: 173-182.
23. **Akinwale, A. O.** and Agbeja, Y. E. (2003): Design and Operation of Sedimentation Basin for Aquaculture Wastewater. *Journal of Tropical Forest Resources*. Vol. 19: 153-158.
24. **Akinwale, A. O.** (2005): Effect of Media Size and Depth on Performance of Sand Filter for Fish Farm Wastewater Treatment. *Ibadan Journal of Agricultural Research*. Vol. 1: 18-23.
25. **Akinwale, A. O.** (2005): Utilization of Lava Stones as Water Treatment Media for the Culture of African Catfish (*Clarias gariepinus*) in Recirculating System in Ibadan. *African Journal of Livestock Extension* Vol. 4: 24 -28.
26. Ogedengbe, K. and **Akinwale, A. O.** (2006): Effect of Septa Removal Methods on Performance of *Bambusa vulgaris* for Water Conveyance. *FUTA Journal of Engineering and Engineering Technology* Vol.5.No.1, 20-24.
27. Ogedengbe, K., **Akinwale, A. O.** and Adeoye, P. A. (2006): Development of a Low Cost Laboratory Jig for Soil Erosion Studies. *Nigerian Journal of Tropical Engineering* Vol.6: 56-65.
28. **Akinwale, A. O.** and Faturoti, E. O. (2007): Biological Performance of African Catfish (*Clarias gariepinus*) Cultured in Recirculating System in Ibadan. *Aquacultural Engineering* Vol. 36: 18-23.
29. **Akinwale, A. O.**, Faturoti, E. O. and Enilolobo, D. (2009): Interplay of Nutrition and Feeding Frequency on the Growth of African Catfish, *Clarias gariepinus* Fry. *Ibadan Journal of Agricultural Research*. Vol. 5: 3-7.
30. Jenyo-Oni, Adetola, **Akinwale, A. O.** and Dauda, A. B. (2010): Benthic Macro-Invertebrates and Physicochemical Quality of Reservoirs in University of Ibadan Fish Farm. *Ibadan Journal of Agricultural Research*. Vol. 6: 19-26.

31. **Akinwale, A. O.** and Azode, S. A. (2010): Operational Characteristics, Profitability and Resource Utilization Efficiency of Aquarium Production in the Metropolis of Lagos and Ibadan, Nigeria. *Journal of Tropical Forest Resources*. Vol. 26: 63-71.

32. **Akinwale, A. O.** (2011): Operational Simplicity and Capital Prudence as Antidote for Failure of Recirculating Aquaculture System: A case study of Selected Facilities in Ibadan. *Nigerian Journal of Rural Extension and Development* Vol. 5: 52 - 58.

33. Adesina, B. T., Omitoyin, B. O., Oguntuga, O. A. and **Akinwale, A. O.** (2011): Organic Coagulants as Turbidity Removal in Water Treatment and Their Toxicity to Freshwater Fauna: A Review. *International Journal of Organic Agriculture Research and Development* Vol. 3: 51 – 59.

34. **Akinwale, A. O.** and Kolawole, R. O. (2011): Fish Farming Practices and Farmers Perception of Constraints to Aquaculture Development in Ibarapa Area, Oyo State, Nigeria. *Journal of Tropical Forest Resources*. Vol.27: 29-38.

35. Bello, M. M., Jenyo-Oni, A. and **Akinwale, A.** (2011): Traditional Sun and Solar Drying of Tilapia Fish Species in the Semi Arid Region of Nigeria. *Journal of Arid Agriculture* Vol. 20: 23-27.

36. **Akinwale, A. O.** and Akinnuoye, F. C. (2012): Effects of the Shape of Culture Tanks on Production of the African Catfish, *Clarias gariepinus* Juveniles. *Journal of Agriculture and Social Research* Vol.12.No.1, 11-18

37. Omole, A. O. and **Akinwale, A. O.** (2012): Assessment of Technical Compliances to Landowners Guides in Forest Roads of Oluwa Forest Reserve, Ondo State, Nigeria. *Nigerian Journal of Agriculture, Food and Environment*. Vol. 8. No.2, 41-44.

38. **Akinwale, A. O.** (2012): Evaluation of Two Water Treatment Media in Commercial Recirculating Fish Production Facilities. *Nigerian Journal of Agriculture, Food and Environment* Vol 8. No.2, 59-65.

39. **Akinwale, A. O.** and Akinnuoye, F. C. (2012): Influence of Culture tank Shapes on Haematology and Proximate Composition of *Clarias gariepinus* Juveniles. *Aquafield: Journal of Field Aquatic Studies*. Vol.8: 9-17.

40. **Akinwale A. O.** and Adeola I. O. (2012): Interrelationship of Temperature, pH, Dissolved Oxygen and Nitrogenous Wastes in Fish Culture Systems. *Nigerian Journal of Rural Extension and Development* Vol.6: 38-42.

41. **Akinwale, A. O.** (2012): An Evaluation of the Oil Content of Two Aquatic Plants and Algae in Fish Culture Facilities in Ibadan, Nigeria. *Nigerian Journal of Forestry* Vol. 42. No.1, 7-12.

42. **kinwale, A. O.** and Raimi, K. A. (2013): Influence of Waste Load, Drying Time and Loading Volume on Performance of Sand Filter for Aquaculture Wastewater Treatment. *Journal of Tropical Forest Resources*. Vol. 29: 1-11.

43. **Akinwale, A. O.** and Oguntade, S. T. **(2013)**: Concentration Reduction of Selected Pollutants in Fish Culture Effluents Using Plastic Straws and Palm Kernel Shells. *Journal of Environmental Extension*. Vol. 11: 32-37.

44. **Akinwale A. O.** and Oguntuga, O. A. **(2013)**: Piscicidal Effect of Cold Water Extracts of *Plumbago zeylanica* (Leadwort) Fresh Root –Bark on *Clarias gariepinus* (Burchell, 1822) Juveniles. *Aquafield: Journal of Field Aquatic Studies*. Vol. 9: 29-35

45. **Akinwale, A. O.** and Ogunjimi, D.O. **(2013)**: Soil Physical and Chemical Characteristics of Some Selected Fish Ponds in Ibadan, Nigeria. *Nigerian Journal of Forestry* Vol.43.No.1, 20-25

46. **Akinwale, A. O.**, Omitoyin, B. O. and Amole, J. O.**(2013)**: Comparison of African Catfish Growth in Static Water Exchange and Water Reuse Culture Systems. *Journal of Agriculture, Socioeconomics and Sustainable Environment*. Vol.1. No.2, 116-120

47. **Akinwale, A. O.** and Adedayo, P. A. **(2013)**: Influence of Tanks Liner Material on Water Quality and Growth of *Clarias gariepinus*. *Journal of Agriculture and Social Research*. Vol. 13. No.2, 94-99.

48. Dauda, A. B., **Akinwale, A. O.** and Olatinwo, L. K. **(2014)**: Bionitrification of Aquaculture Wastewater at Different Drying Times in Water Reuse System. *Journal of Agriculture and Food Technology*. Vol. 4. No.2, 6 -12.

49. **Akinwale A. O.**, Bankole, A. F., Dauda, A. B. and Ayanlere, S. V. **(2014)**: Fish Farming Facilities and Operation in Ibarapa Area of Oyo State. *European International Journal of Applied Science and Technology*. Vol.1. No.2, 85-94.

50. **Akinwale, A. O.** and Dauda, A.B. **(2014)**: Performance of Palm Kernel Shell as Nitrification Media for Aquaculture Wastewater at Varying Drying Time. *Global Journal of Science Frontier Research: Agriculture and Veterinary*. Vol.14. No.5, 33-39.

51. Dauda, A. B. and **Akinwale, A. O.** **(2014)**: Interrelationships among Water Quality Parameters in Recirculating Aquaculture System. *Nigerian Journal of Rural Extension and Development*. Vol.8: 20-25. June, 2014

52. **Akinwale, A. O., Bankole, A.F., Dauda, A. B. and Saliu, O.E. (2014):** Growth and Survival of *Clarias gariepinus* (Burchell 1822) Fingerlings Cultured at Different Stocking Densities in Igboora, Oyo State, Nigeria. *Journal of Agriculture and Biodiversity Research* Vol.3. No.4, 58- 60.
53. **Jenyo-Oni, A., Ajani, E. K., Omitoyin, B.O., Akinwale A. O., Fregene, B. T., Adesehinwa A. O. K., Kareem, O. K., Osho, E. F. and Olojo, B. O. (2014):** Biological Factors and Performance Indicators under Integration of Fish, Poultry and Rice Production. *Journal of Tropical Forest Resources*. Vol. 30: 85- 93.
54. **Akinwale A.O., Dauda, A.B. and Nwolisa, E. C. (2014):** Influence of Culture Water Draw-off on Growth of the African Catfish *Clarias gariepinus*, (Burchell 1822) Cultured under Integrated System. *International Journal of Applied Agricultural and Apicultural Research*. Vol. 10.No.1&2, 139 -144.
55. **Akinwale, A. O. and Fatureti, E. O. (2014):** Cost Characteristics of the African Catfish Culture in Recirculating Production Facilities in Ibadan, Oyo State, Nigeria. *International Journal of Applied Agricultural and Apicultural Research*. Vol. 10. No.1&2, 188 -197.
56. **Akinwale, A. O. (2014):** Evaluation of *Moringa oleifera* Seed as Coagulation Aid for Treatment of Fish Farm Effluents. *African Journal of Livestock Extension*. Vol.14: 106-109.
57. **Akinwale, A. O. and OjoAwo, A.P. (2014):** Extraction of Oil from Microalgae and Aquatic Plants Harvested from Fish Rearing Structures. *Transnational Journal of Science and Technology* e-ISSN 1857-8047 April 2014, Vol.4 No.2:45-57
58. **Akinwale A. O. and Oguntuga, O. A. (2014):** Haematological Responses, Serum Biochemistry and Histology of *Clarias gariepinus* (Burchell, 1822) Exposed to Sublethal Concentrations of Cold Water Fresh Root Bark Extracts of *Plumbago zeylanica* (Leadwort). *Journal of Aquaculture Research and Development* November ISSN 21559546 2014, Vol.5 No.7: 2858-2865
59. **Akinwale A. O., Dauda, A.B. and Oredein, T.A. (2014):** Effect of Aeration on Selected Water Quality Parameters in Freshwater Fish Culture. *International Journal of Biological and Chemical Sciences*. December 2014 Vol.8 No.6: 2858-2865

60. Dauda, A. B. and **Akinwale, A. O. (2015)**: Evaluation of Polypropylene and Palm Kernel Shell as Biofilter Media for Denitrification of Fish Culture Wastewater. *NSUK Journal of Science and Technology*. Vol.5 No.1:207-213
61. **Akinwale A. O.**, Dauda, A.B. and Oredein, T.A. (2015): Performance of Three Simple Aeration Columns in Freshwater Aquaculture System. *International Journal of Fisheries and Aquatic Studies* e-ISSN 2347-5129 2015; Vol.2No.3: 149-152
62. **Akinwale A. O.**, Dauda, A.B. and Ololade, O.A. (2016): Haematological Response of *Clarias gariepinus* Juveniles Reared in Treated Wastewater after Solids Removal using Alum or *Moringa oleifera* Seed Powder. *International Journal of Aquaculture* June 2016, Vol.6, No.11: 1-8

e) Technical Reports and Monographs:

63. Ajani, E. K. and **Akinwale A. O. (2011)**: Prevalence of Farm Raised Catfish Diseases in Nigeria. Technical Report submitted to Federal Department of Fisheries, Abuja, Nigeria. 44pp. May, 2011.
64. **Akinwale, A.O. (2013)**: Design and Construction of Fish Pond under Integration of Fish with Poultry and Rice. In: B.O. Omitoyin, E. K.Ajani and L. C. Nwanna (eds.). Sustainable Integrated Pond Based Aquaculture with Rice and Poultry Production: Economic, Social and Environmental Assessment. Training Manual, CORAF/WE CARD. Walecrown Ventures, Ibadan. 24 -33. ISBN 978-2170-34-0.
65. Rurangwa, E., **Akinwale, A. O.**, Abiona, B. G. and Onagbesan, O. M. (2013): Urban and Peri-Urban Aquaculture Production Systems in South West Nigeria. Research and Business Opportunities. IMARES– Institute for Marine Resources and Ecosystem Studies) Wageningen UR Technical Report no. C 048/13. 64 pages
66. **Akinwale, A.O.** and Faturoti, E.O. (2015). Selection and Construction of Fish Rearing Devices. In: B.O. Omitoyin, E. K. Ajani and A.O. Akinwale (eds.). Entrepreneurship Development Training in Aquaculture Business. Training Manual, WAPPP/PPAAO. Printplace Concepts Ibadan. 9 -24. ISBN 978-978-31064-6-6.

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f) Editorial Work:

67. Labode Popoola, O.Y.Ogunsanwo, P. I. Oni, F. O. Idumah and **Akinwale, A.O. (2013)**: Proceedings of the 36thConference of the Forestry Association of Nigeria. Vol 2.728 pages ISBN 978-978-50793-7-1.
68. Omitoyin, B. O., Ajani, E. K. and **Akinwale, A. O. (2013)**: Integrated Farming: Fish, Rice and Pig. Printplace Concepts. 104 pages. ISBN 978-1. Fish 978-31064-6-
69. Ogunsanwo, O.Y., **Akinwale, A.O.**, I.O. Azeez, V.A.J. Adekunle and N.A. Adewole **(2014)**: Proceedings of the 37th Conference of the Association of Nigeria.857 pages ISBN 978-978-8013-76-1. Forestry
70. Omitoyin, B. O, Ajani, E. K. and **Akinwale, A. O. (2015)**: Entrepreneurship Development Training in Aquaculture Business. Printplace Concepts Ibadan. 138 pages. ISBN 978-978-31064-6-6.
71. Ogunsanwo, O.Y. and **Akinwale, A.O. (2016)**: Proceedings of the 38th Conference of the Forestry Association of Nigeria.934 pages ISBN 978-31064-9-0. 978-