

CURRICULUM VITAE

- I
- (a) Name: Ayoola Olusegun AKINWOLE
 - (b) Date of Birth: 06 June, 1969
 - (c) Department: Aquaculture and Fisheries Management
University of Ibadan, Nigeria
 - (d) Faculty: Renewable Natural Resources
 - (e) Position: **Professor**
(Aquacultural Engineering and
Water Resources Management)
 - (f) Contacts: akinwoolu@yahoo.com,
aakinwole24@gmail.com,
ao.akinwole@mail.ui.edu.ng
+234 803 360 0554;
+234 802 500 4078
 - (g) Residence: Ibadan, Oyo State Nigeria

II University Education (with dates)

University of Ibadan, Ibadan, Nigeria (2000-2005)

University of Ibadan, Ibadan, Nigeria (1996-1999)

University of Agriculture, Abeokuta, Nigeria (1989-1994)

III Academic Qualification (with dates and granting bodies)

Ph.D. Fisheries Management (2005, University of Ibadan, Nigeria)

M.Sc. Agricultural Engineering (1999, University of Ibadan, Nigeria)

B.Sc. (Hons.) Agricultural Meteorology and Water Management (1994, University of Agriculture, Abeokuta, Nigeria)

IV Professional Qualifications and Diplomas (with date)

Certificate in Computer programming (1995)

Certificate in Aquaculture Technologies and Practices (2009)

Certificate in Advanced Water Treatment and Reuse (2014)

Certificate in Greenhouse Crop (Aquaponics) Production and Engineering Design (2016)

V Scholarships, Fellowships and Prizes (with date) in respect of Undergraduate and Postgraduate work only

Best Academic Performance (Departmental Prize)
University of Agriculture, Abeokuta, Nigeria. (1989/90 Session)

Best Academic Performance (Departmental Prize)
University of Agriculture, Abeokuta, Nigeria. (1991/92 Session)

Best Graduating Student, B.Sc. Degree Examinations in Agricultural Meteorology and Water Management (University of Agriculture, Abeokuta, Nigeria.) (1994)

VI Membership of Learned Societies and Research

- a. Member, Fisheries Society of Nigeria
- b. Member, Aquacultural Engineering Society, USA
- c. Graduate Member, Nigerian Society of Engineers
- d. Life Member, Forestry Association of Nigeria
- e. Member, Forest and Forest Products Society of Nigeria
- f. Member, Agricultural Society of Nigeria
- g. Visiting Research Fellow (MacArthur Foundations Fellowship) in Recirculating Aquaculture Systems (Louisiana State University, USA May-October 2010)
- h. Team Member, Collaborating Research Team on Intensive Urban and Peri-urban Aquaculture Production Systems in Nigeria. Field Study of the Institute for Marine Resources and Ecosystem Studies, Wageningen University, the Netherlands (September- November 2012)
- i. Team Member (Facilities Design and Water Resources Engineering Expert): West and Central African Council for Agricultural Research and Development (CORAF/WECARD) Commissioned Research Project no: 03/PA/10: -Sustainable Integrated Pond Based Aquaculture with Rice and Poultry Production: Economic, Social and Environmental Assessment.
- j. Team Member (Agricultural Engineering Expert): West and Central African Council for Agricultural Research and Development (CORAF/WECARD) Commissioned Research Project no: 03/PA/11: - Poverty Eradication and Grassroots Empowerment through Sustainable Integrated Aquaculture Development: Fish cum Rice and Piggery Production.

VII Details of Lecturing/Work Experience

Assistant Lecturer, Department of Wildlife and Fisheries Management, University of Ibadan (01 August, 2000 to 30 September, 2003).

Lecturer II, Department of Wildlife and Fisheries Management, University of Ibadan (01 October, 2003 to 30 September, 2006).

Lecturer I, Department of Wildlife and Fisheries Management, University of Ibadan (01 October, 2006 to 30 September, 2009).

Senior Lecturer, Department of Wildlife and Fisheries Management, University of Ibadan (01 October, 2009 to 30 September, 2014).

Professor, Department of Aquaculture and Fisheries Management, University of Ibadan (01 October, 2014).

Courses taught include the following:

Undergraduate Level:

		Units	
AFM 318:	Fish Farming Techniques and Hatchery Management	2	J
AFM 313:	Fish Pond Construction and Management	2	J
AFM 426:	Fisheries Engineering and Pond Management	3	S
AFM 428:	Techniques in Fish processing and Utilization	3	J
WEM 426:	Road and Bridge Construction in Wildlife Reserves	2	S
AFM 516:	Fish Processing Technology and Quality Assurance	2	J
AFM 520:	Fish Farming Engineering	2	J

Postgraduate Level:

BDM 713:	Aquatic Biodiversity Management	3	J
AFM 713	Advanced Fishing Gear Technology	2	J
AFM 723	Aquaculture Engineering and Culture Facilities Design	3	J
AFM 725	Advanced Techniques in Fish Nutrition	3	J
AFM 729	Advanced Techniques in Organic Aquaculture	2	J

S = Singly J= Jointly

Students Supervision (Students supervised to date)

		Completed	In Progress
B.Sc.	-	37	2
M.Sc.	-	24	1
Ph.D.	-	3	2

Administrative Responsibilities/Experience:

September, 2001 to February, 2012: Member, Practical Year Training Committee, Department of Wildlife and Fisheries Management. University of Ibadan, Nigeria.

February 2012 to date: Member, Practical Year Training Committee, Department of Aquaculture and Fisheries Management. University of Ibadan, Nigeria.

August 2006 to July 2008: Undergraduate Coordinator, Department of Wildlife and Fisheries Management, University of Ibadan, Nigeria.

August 2008 to July 2012: Sub-Dean (Forestry), Faculty of Agriculture and Forestry University of Ibadan, Nigeria.

Publications

a) **Books:**

1. Ajani, E. K., **Akinwole, 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. **Akinwole, 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. **Akinwole, 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. **Akinwole, 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 Akinwole, A.O. (eds.) *Integrated Fish Farming: Fish, Rice and Pig*. Printplace Concepts. 1-8. ISBN 978-978-31064-6-1.
5. **Akinwole, A. O. (2022):** Managing the African Ocean (Water Bodies) for Blue-Growth in Fisheries and Aquaculture: Recirculating Aquaculture Systems and Aquaponics Techniques in the Blue Growth. In: Bolorunduro, P., Ajani, E.K., Omitoyin, B. O., and Orisasona, O. (eds). *Blue Economy, Food Security and Poverty Alleviation Strategies in Africa: The Role of Aquaculture and Fisheries Management*. A textbook in Honour of Retiring Professor A.E. Falaye. Exotic Continental Dezines Ltd, 112 -119. ISBN 978-978-594192-2.

c) **Refereed Conference Proceedings:**

6. Ogedengbe, K. and **Akinwole, 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.
7. **Akinwole, 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.
8. **Akinwole, 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.
9. **Akinwole, 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
10. Hall, S.G., **Akinwole, A.O.**, Belion, K.K. and Davis, T. (2011) Development of a Low Cost Recirculating Fish Holding System. Proceedings of the Aquaculture America 2011, the National Conference and Exposition of the National Aquaculture Association, USA. New Orleans Marriott, New Orleans, Louisiana, United States of America. February 28 - March 3, 2011: 203
11. Olanrewaju, A. N., Agbelege O. O. and **Akinwole, A. O. (2012)**: Aquaponics: A New Trend in Food Production. In: A.O. Adeyemo, J.F. Alfred Ockiya, 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
12. **Akinwole, 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.

13. Ayanboye, A. O., **Akinwole, 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.
14. **Akinwole, 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.Akinwole (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.
15. Adesina, B. T., Omitoyin, B. O., **Akinwole, 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.
16. Dauda, A. B. and **Akinwole, 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*
17. 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*
18. Fregene, B. T., Ajani, E. K., Omitoyin, B.O., **Akinwole A.O.**, Adeshinwa 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*
19. 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, 2015:404-407.

20. **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.
21. **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.
22. **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.*
23. **Akinwole, A. O.** and Akinbebije, T.O (2016): Reduction of Fish Culture Effluent Turbidity Using Maize Seed Powder as Coagulation Aid. In: O.Y. Ogunsanwo and A.O.Akinwole (eds). Proceedings of the 38th Conference of the Forestry Association of Nigeria. 7-11 March 2016, PortHarcourt, Rivers State, Nigeria.: 390-395. ISBN 978-978-31064-9-0.
24. Adeniyi, A.O. and **Akinwole, A. O.** (2016): Fish Fauna in Lower River Niger at Agenebode, Edo State, Nigeria. Proceedings of the 31st Annual Conference of Fisheries Society of Nigeria, Kastina, Kastina State, Nigeria, 31 October – 04 November, 2016: 193-198.
25. Ojuwoni, A. A., **Akinwole, A. O.** and Omorodion, J. I. (2017): Potentials of Non-Timber Forest Products in Population Control of Tilapia Fish Species. In: V.A.J. Adekunle, O.Y., Ogunsanwo and A.O.Akinwole (eds). Proceedings of the 39th Annual Conference of the Forestry Association of Nigeria. 20-24 February 2017, Ibadan, Oyo State, Nigeria.: 558-573. ISBN 978-978-3106-38-0.
26. Omorodion, J. I. and **Akinwole, A. O.** (2018): Potential Usage of Renewable Energy in Nigerian Aquaculture. In: A.O. Akinwole, V.A.J. Adekunle, and O.Y. Ogunsanwo (eds). Proceedings of the 40th Annual Conference of the Forestry Association of Nigeria. 12-16 March, 2018, Lagos, Lagos State Nigeria.: 710-717. ISBN 978-978-310-854-2
27. **Akinwole, A. O.** (2018): Forest-Water Nexus: A Relationship for Sustainable Development. A Lead Paper presented at the 40th Annual Conference of the Forestry Association of Nigeria. In: A.O. Akinwole, V.A.J. Adekunle, and O.Y., Ogunsanwo (eds). Proceedings of the 40th Annual Conference of the Forestry Association of Nigeria. 12-16 March 2018, Lagos, Lagos State Nigeria.: 745-760. ISBN 978-978-310-854-2.

28. Ojuwoni, A. A., **Akinwale, A. O.** and Faturoti, E. O. (2018): Performance of *Clarias gariepinus* and *Oreochromis niloticus* reared on Chicken By-products In: A.O. Akinwale, V.A.J. Adekunle, and O.Y. Ogunsanwo (eds). Proceedings of the 40th Annual Conference of the Forestry Association of Nigeria. 12-16 March, 2018, Lagos, Lagos State Nigeria.:788-797. ISBN 978-978-310-854-2.
29. Adeyemi, A. Y. and **Akinwale, A. O.** (2018): Evaluation of the Efficiency of Different Processing Methods in Improving the Potential of Baobab Seeds in FishDiets. In: Fagbenro, O.A., Ajani, E.K., Magawata, I., Shinkafi, B.A., Ayoola, S.O. and Orisasona, O. (Eds). *Proceedings of the 1st Conference of Association of Nigerian Fisheries Scientists. 10-12 July, 2018, University of Ibadan, Ibadan, Oyo State Nigeria.*:209-216. ISBN 978-978-54826-7-6.
30. Abiodun-Solanke, A. O. **Akinwale, A. O.** and Ayano, A. E. (2018): Effects of Daily Drying Time on Drying Rates Efficiency of African Catfish (*Clarias gariepinus*) Under UI-CORAF Smoking Kiln. In: Fagbenro, O.A., Ajani, E.K., Magawata, I., Shinkafi, B.A., Ayoola, S.O. and Orisasona, O. (Eds). *Proceedings of the 1st Conference of Association of Nigerian Fisheries Scientists. 10-12 July, 2018, University of Ibadan, Ibadan, Oyo State Nigeria.*:271-276. ISBN 978-978-54826-7-6.
31. **Akinwale, A. O.** (2022): Agroforestry Practices, Blue-Green Infrastructures Development for Ecosystem Integrity and Livelihoods. A Lead Paper presented at the 44th Annual Conference of the Forestry Association of Nigeria. In: A.O. Akinwale, V.A.J. Adekunle, and O.Y., Ogunsanwo (eds). Proceedings of the 44th Annual Conference of the Forestry Association of Nigeria. 21-26 November 2022, Abeokuta, Ogun State Nigeria.: 745-760. ISBN 978-978-310-854-2.

d) **Articles in learned journals**

30. Ogedengbe, Kola, **Akinwale, 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.
31. **Akinwale, A. O.** and Sangodoyin, A. Y. (2003): A Comparison of Three Methods of Estimating Onset and Cessation dates of Rainfall in Sub-Saharan Region: a case study of International Institute of Tropical Agriculture, Ibadan, Nigeria. *Journal of Tropical Forest Resources*. Vol.19: 173-182.
32. **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.
33. **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.

34. **Akinwole, 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.
35. Ogedengbe, K. and **Akinwole, 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.
36. Ogedengbe, K., **Akinwole, 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.
37. **Akinwole, 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.
38. **Akinwole, 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.
39. Jenyo-Oni, Adetola, **Akinwole, 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.
40. **Akinwole, 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.
41. **Akinwole, 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.
42. Adesina, B. T., Omitoyin, B. O., Oguntuga, O. A. and **Akinwole, 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.
43. **Akinwole, 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.

44. Bello, M. M., Jenyo-Oni, A. and **Akinwole, 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.
45. **Akinwole, 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
46. Omole, A. O. and **Akinwole, 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.
47. **Akinwole, 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.
48. **Akinwole, 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.
49. **Akinwole 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.
50. **Akinwole, 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.
51. **Akinwole, 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.
52. **Akinwole, 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.
53. **Akinwole 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
54. **Akinwole, 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

55. **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
56. **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.
57. Dauda, A. B., **Akinwale, A. O.** and Olatinwo, L. K. (2014): Biodenitrification of Aquaculture Wastewater at Different Drying Times in Water Reuse System. *Journal of Agriculture and Food Technology*. Vol. 4. No.2, 6 -12.
58. **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.
59. **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.
60. 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
61. **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.
62. Jenyo-Oni, A., Ajani, E. K., Omitoyin, B.O., **Akinwale A. O.**, Fregene, B. T., Adeshinwa 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.
63. **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.

64. **Akinwole, A. O.** and Faturoti, 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.
65. **Akinwole, 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.
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