

CURRICULUM VITAE

NAME: Mohammed Yakubu **DIYAWARE** (B.Tech., M.Tech., PhD *Mfs*)
Date of Birth: 30th December, 1968
Place of Birth: Ngoshe
Local Government: Gwoza
State of Origin: Borno
Nationality: Nigerian
Country of Residence: Nigeria
Current Rank: Senior Lecturer
Current Position: Head, Department of Fisheries, University of Maiduguri, Nigeria
Number of Publications: 27
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Residential Address: No. NH79, University of Maiduguri Staff Quarters, Maiduguri, Nigeria.

Professional Membership: i) Fisheries Society of Nigeria (PM 382)
ii) Genetic Society of Nigeria
iii) Organic Agricultural Society of Nigeria.
vi) World Aquaculture Society (ID. 20140480).

Marital status: Married with five children (Amina, A'isha, Abdullahi, Yaqub and Amma-A'isha).

Spouse: Hauwa Abdullah
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2.0 ACADEMIC QUALIFICATIONS OBTAINED WITH DATES

Ph.D. Aquaculture and Fisheries Management (Fish Genetics and Breeding)	2012 (Yola)
Postgraduate Diploma Education (PGDE):	2012 (KICOE, MIAD)
M. Tech., Aquaculture and Fisheries Management (Fish Breeding):	2006 (Yola)
B. Tech., Animal Sci., Fisheries, and Range Management:	1997 (Yola)
Graduate Diploma Computer Application:	1999 (Maiduguri)
OND Fisheries:	1988 (Baga,)

WASC/GCE: 1984 (Gwoza)
Ngoshe 'A' Primary school: 1979 (Ngoshe)

MAJOR AREA OF SPECIALIZATION: Fish Genetics and Breeding
OTHER AREAS OF SPECIALIZATION: Integrated Fish Farming
Fish Nutrition

3.0 INSTITUTIONS ATTENDED WITH DATES

Modibbo Adama University of Technology (Formally Federal University of Technology), Yola, PhD. (Aquaculture and Fisheries Management): 2006-2012
Kashim Ibrahim College of Education, Postgraduate Diploma Education (PGE): 2012
Federal University of Technology, Yola, M. Tech (Aquaculture and Fisheries Management): 2003- 2006.
Federal University of Technology, Yola, B. Tech (Animal Sci., Fisheries, and Range Magt): 1993-1997
Kwari Computer Academy Maiduguri; Graduate Diploma Computer application: 1999
Federal Freshwater Fisheries School, Baga Lake Chad Research, Institute: (OND Fisheries): 1986 - 1988
Government Secondary School, Gwoza (WASC/GCE): 1979-1984.
Ngoshe 'A' primary School, (First School Certificate): 1973-1979

4.0 WORKSHOP/TRAININGS ATTENDED WITH CERTIFICATED AND DATES

1. Introductory to Molecular Techniques: Inqaba biotech in collaboration with ITTA Ibadan: 2015
2. Ecosystem Approach to Fisheries Management, FAO/LCBC Chad N'djamena: 2014
3. Fraud Prevention and Forensic Auditing: FGN- ITF Bauchi, Nigeria: 2013
4. Quality Assurance and Service Delivery in Nigerian Universities: UNIMAID, Nigeria: 2013
5. Molecular Biology and Biotechnology Research Skills: World Bank (Step-B) MAUTECH, Biotechnology centre, Yola, Nigeria: 2012.
6. South-South cooperation workshop on improved fish processing technology and value added fish products, FAO/NSPFC/SSC project, Jos Nigeria: 2004
7. Community based participatory Agricultural extension service in the NSPFS, ARTMTI, Ilorin Nigeria: 2004
8. Integrated Fish Farming; Asian Pacific Regional Research and Training Centre for Integrated Fish Farming (TCDC), Wuxi, Jiangsu province, China: 2003.
9. Induced breeding workshop, FAO/FDF, Dadin Kowa, Nigeria: 2002
10. Fish Feed Formulation and Induce breeding, FAO/FDF, Nigeria: 2001
11. Strengthening Fish Quality Assurance (HACCP), FAO/ FDF, Maiduguri, Nigeria: 2000.
12. Senior Level Aquaculture Management Training, Federal College of Freshwater Fisheries Technology New-Bussa, Nigeria, 1992.

5.0 WORKING EXPERIENCE

Asst. Fisheries Supt. Min. of Agric. and Nat. Resources, Maiduguri, 1989
Officer In-charge Fishing operation, Min. of Agric. and Nat. Resources, Maiduguri: 1991– 1992.
Subject matter specialist (SMS) Fisheries, Borno state ADP, Maiduguri: 1992 – 1996.
Zonal Research Coordinator Zone III, Kukawa, Borno state ADP, Maiduguri, 1998– 2002.
Part-Time Lecturer (Fisheries) Ramat Polytechnic Maiduguri: 2000– 2002.
Part-Time Lecturer Institute of Management and Engineering Studies, Maiduguri: 2002–2006.
Assistant Director Adaptive Research (Fisheries), Borno state ADP, Maiduguri: 2002– 2003.
Associate Lecturer, Department of Fisheries University of Maiduguri: 3rd October 2006
Lecturer II, Department of Fisheries, University of Maiduguri: 1st October 2007.
Lecturer I, Department of Fisheries University of Maiduguri: 1st October 2009.

Senior Lecturer, Department of Fisheries University of Maiduguri: 1st October 2012.
Currently under assessment for Associate Professor from 1st October, 2015.

6. APPOINTMENTS WITH DATES (AT UNIVERSITY LEVEL)

- i. SIWES Coordinator, Department of Fisheries University of Maiduguri: 2006 – 2012
- ii. Member Admission Screening Committee Faculty of Agriculture: 2010-2012
- iii. Associate Editor (Fisheries and Aquaculture) Journal of Arid Agriculture, 2009 – Date
- iv. Overseer, Department Fisheries, University of Maiduguri: April 2010 to 30th September 2012
- v. Deputy Editor-In-Chief, Nigerian Journal of Fisheries and Aquaculture 2013 – Date
- vi. Ag. Head, Department Fisheries, University of Maiduguri: 1st October 2012 to 1st August, 2014
- vii. Head, Department Fisheries, University of Maiduguri: 1st October 2014 to Date
- viii. Member Senate, University of Maiduguri, Nigeria: 1st October, 2014 to Date

7. APPOINTMENTS WITH DATES (OUT SIDE UNIVERSITY)

- i. State Facilitator Fisheries & Aquaculture NSPFS/FAO: 2003 – 2007.
- ii. Nigerian Counterpart (Fisheries), Chinese South-South Cooperation, NSPFS/FAO: 2003 –2006
- iii. Member, National Sub-Technical Committee on Naming and Registration of Fish Strains in Nigeria National Genetic Centre for Research and Biotechnology, Ibadan: 2013 to Date.
- iv. Focal Point Officer, Ecosystem Approach to Lake Chad Fisheries Management, LCBC/PRODABELT: 2014-Date
- v. External Examiner, Federal College of Freshwater Fisheries Technology, Baga: 2014- date
- vi. Member Constitution Review committee, Fisheries Society of Nigeria (FISON) 2016

8.0 COMMUNITY SERVICES

- i. Service Provider, Fisheries and Aquaculture IFAD: 2006 to Date
- ii. Training of Fisher folks on Co-Fisheries Management in Lake Chad Basin: 2006
- iii. Development of local feed to fish farmer: 2007 to date
- iv. Training fish farmers on fish pond construction and management 2006 to Date
- v. Monthly Technical Review meeting in Fisheries and Aquaculture: Bauchi ADP. 2007- 2010
- vi. Service Provider, Aquaculture Fisheries II, Borno State: BOSADP/NFP: 2010 – Date
- vii. Training of small scale fish farmers on Fish Breeding: 2011 to Date

9.0 PROJECT/DISSERTATIONS/THESIS SUBMITTED

1. Studies on the Inter-generic hybridization between *Clarias anguillaris* and *Heterobranchus bidorsalis* Through Male ablation in the Northeast Nigeria. **Ph.D Thesis**, Department of Biological Sciences, Modibbo Adama University of Technology, Yola (2012).
2. Attitudes of Secondary school students toward fisheries Education in Borno State. **Post Graduate Diploma in Education Project**. Kashim Ibrahim College of Education, Maiduguri, Nigeria 2013.
3. Studies on the effect of Carp and Clarias and Pituitary Extracts on Induced Spawning of the African catfish, *Clarias gariepinus* in the arid zone of Nigeria. **M. Tech Thesis**. Department of Biological Science, Federal University of Technology, Yola, Nigeria (2006).
4. Food and Feeding habits of the African catfish (*Clarias gariepinus*) and the Nile Tilapia (*Oreochromis niloticus*) in Lake Geriyo, Adamawa State, Nigeria, **B. Tech Project**, Department of Animal Science, Fisheries and Range Management F. U.T. Yola (1997).
5. Brackish water fish pond construction in Onne, Rivers State, Nigeria. **OND Project**, Federal Freshwater Fisheries School, Baga, Maiduguri, Nigeria (1988).

10.0 LIST PUBLICATIONS

10.1 Journal Publications

1. **Diyaware, M. Y.**, Sule, O.D. and Raji, A. (2006). Determination of optimum dosage of fresh *Clarias* pituitary extract for inducing *Clarias gariepinus* (Burchell, 1822). *Journal of Arid zone Fisheries*. 2:15-20
2. **Diyaware, M. Y.**, and Sule, O.D. (2006). Food and Feeding habits of African catfish *Clarias gariepinus* (Burchell, 1822) in Lake Geriyo, Adamawa State Nigeria. *Journal of Arid zone Fisheries*. 2:74-79.
3. **Diyaware, M. Y.**, Haruna A.B. and Sule, O.D. (2007). Determination of dry carp pituitary extracts dosage for inducing *Clarias gariepinus* (Burchell, 1822) in the arid zone of Nigeria. *PAT*, 3(1) 93-103.
4. **Diyaware, M. Y.**, Haruna A.B. and Sule, O.D. (2007). Determination of latency time using dry pituitary extract for *Clarias gariepinus* in the arid zone of Nigeria. *PAT*, 3(1) 104 -111
5. Sule, O.D., Bello, M.M., and **Diyaware, M.Y.** (2007). Polyculture and fish yield in Rice-cum fish culture systems in Dadin Kowa Gombe, Nigeria. *Animal Research International*. 4(3) 737-740.
6. **Diyaware, M. Y.**, Sule, O.D., and Abubakar, K.A. (2007). Integrated fish farming (IFF) system: As an alternative for sustainable fish production in Nigeria. *Nigerian Journal of Tropical Agriculture* 9: 168-182.
7. **Diyaware, M. Y.** Modu, B. M. and Yakubu, U. P. (2009). Effect of different dietary protein levels on growth performance and feed utilization of hybrid catfish (*Heterobranchus bidorsalis* x *Clarias anguillaris*) fry in Northeast Nigeria. *African Journal of Biotechnology*, 8:(16), 3954-3957.
8. **M.Y. Diyaware**, Haruna, A.B. and K.A. Abubakar (2010). Growth and survival of hybrid fingerlings of *Clarias anguillaris* and *Heterobranchus bidorsalis* in North East Nigeria. *Journal of Arid Agriculture* 19, 24-30.
9. **Diyaware, M. Y.**, Haruna A.B. and Abubakar, K.A. (2010). Determination of testes regeneration period in African catfish (*Clarias anguillaris*) after milt (semen) collection through ablation. *Current Research journal of Biological Science* 2(6) 375-377.
10. **Diyaware, M. Y.**, Akang, U. J., Tagogo, T.A. and Bankole, N.O. (2011). Effect of different levels of alpha-tocopherol acetate on growth and fat composition *Clarias gariepinus* fingerlings. *International Journal for forestry and Environment* 3(2), 60-69.
11. **Diyaware, M.Y.**, Haruna, A.B. and Abubakar, K.A. (2012). Serum protein characterisation of intergeneric hybrids of *Clarias anguillaris* x *Heterobranchus bidorsalis* from semi-arid zone of Nigeria. *Journal. Microbiology and Biotechnology Research* 2 (1):70-77
Available on: <http://scholarsresearchlibrary.com/archive.html>
12. **Diyaware, M.Y.**, A.B. Haruna and K.A. Abubakar (2012). Some Haematological parameters of Intergeneric Hybrid of African catfish (*Clarias anguillaris* x *Heterobranchus bidorsallis*) and their pure lines in North East Nigeria. *Journal of Fisheries and Aquatic Science*, 8:33-42.
Available on: <http://scialert.net/abstract/?doi=jfas.2012.33.42>
13. **Diyaware, M.Y.**, Kwaji, P.J. and Tagogo, T.A. (2012). Effects of *Garcinia kola* (Bitter cola) on milt quality of African catfish (*Clarias gariepinus*, Burchell 1822) *Journal of Agriculture and environment*, 8:(2):43-49.
14. Chukwu, J., **Diyaware, M. Y.** and Ude, E. F. (2012). Evaluation of Pawpaw (*Carica papaya*) seed for controlling reproduction in the Nile Tilapia (*Oreochromis niloticus*). *Journal of the Science of Agriculture, Food Technology, and Environment (JSAFE)*, 12:(1) 1-8
15. Peter, K.J. and **Diyaware, M.Y.** (2014). The length- Weight Relationship, Condition Factor and Fecundity of *Clarias anguillaris* in Luhu Reservoir, Michika Local Government Area, Adamawa State, Nigeria. *Nigerian Journal of Fisheries and Aquaculture*, 2(1):74-80
16. Gwary, M. M., Yekini, I. B. and **Diyaware, M.Y.** (2014) Value Chain Analysis of Fish Caught in Lake Alau, Borno State, Nigeria. *Nigerian Journal of Fisheries and Aquaculture* May 2014, 2(1): 15 – 23.

17. Biu, A.A., **Diyaware, M.Y.**, Yakaka, W. and Rita D.J. (2014). Incidence of Parasites of *Clarias gariepinus* (Burchell, 1822) Caught from Lake Alau, Maiduguri, Borno State, Nigeria. *Nigerian Journal of Fisheries and Aquaculture*, 2(1):74 - 80
18. Biu, A.A., **Diyaware, M.Y.**, Yakaka, W. and Joseph, E. (2014). Survey of Parasites Infesting the Nile Tilapia (*Oreochromis niloticus* Linnaeus, 1758) from Lake Alau, Maiduguri, Nigeria, *Nigerian Journal of Fisheries and Aquaculture*, 2(2):6-15.
19. L.U. Onyia, **M.Y. Diyaware**, K.G. Micheal, M. Musa and I.J. Ochokwu (2015). Comparison of Haematological Indices, Blood Group and Genotypes of *Clarias gariepinus* (Burchell, 1822) and *Clarias anguillaris* (Linnaeus, 1758). *Journal of Fisheries and Aquatic Science*, 10(5):392-399
<http://scialert.net/onlinefirst.php?issn=1816-4927>
20. **Diyaware, M.Y.**, Bokko, B.P. and Suleiman, S.B. (2015). Anaesthetic Effect of Clove Seed Extract on *Clarias gariepinus* (Burchell, 1822) Broodstock. *International Journal of Fisheries and Aquatic Sciences*, 4(2)30-34.
21. Onyia, L.U. and Ochokwu, I.J., **Diyaware, M.Y.** and Micheal, K.G. (2015). Effects of *Azanza garckeana* on Egg quality of African catfish *Clarias gariepinus* Burchell, 1822) Broodstock. *International Journal of Fisheries and Aquatic Sciences*, 4(2)35-39.
22. **Diyaware, M.Y.**, and Suleiman, S.B. and Bokko, B.P. (2015). Anaesthetic Effect of Clove Seed Extract on *Clarias gariepinus* (Burchell, 1822) fingerlings. *Trakia Journal of Science* (In Press)

10.2 Conference Proceedings

23. **Diyaware, M.Y.**, Haruna A.B. and Abubakar, K.A. and Olufeagba, S.O. (2010). Embryogenesis of hybrid African catfish. *Proceedings of 33rd Annual conference of the Genetic society of Nigeria*, 27-30 September, 2009, Ilorin, Nigeria.
24. **M.Y. Diyaware**, N.O. Bankole, F.C. Okoye and A.A. Madu (2010). Utilization of organic wastes for aquaculture: A review. *Proceeding of the 6th Annual conference of Organic Agriculture*, 22nd to 25th November, 2010, Maiduguri.
25. Nyako, R. E. **Diyaware, M. Y.** and Suleiman, S. B. (2015). Hybridization between *Clarias gariepinus* (Burchell, 1822) and *Heterobranchus longifilis* (Valenciennes, 1840) in the semi-arid zone of Nigeria. *Proceedings of the 39 Annual conference of the genetic Society of Nigeria, 27th – 31st October, 2015 at A.T.B.U.Bauchi Nigeria*, 266-271
26. Onyia, L. U., Ochokwu, I. J. and **M. Y. Diyaware** (2015). Effects of *Azanza garckeana* pilpmeal on milt quality and hatchability on male *Clarias gariepinus* (Burchell, 1822) broodstock for fingerling production. *Proceedings of 39th Annual conference of the Genetic society of Nigeria, 27-31st September, 2015, at ATBU, Bauchi, Nigeria* 248-251.
27. Onyia L.U., **Diyaware, M.Y.** Etab, S.O. and Ochokwu, I. J. (2015). Effects of different natural extenders on sperm count, motility and fertility of *Clarias gariepinus* (Burchell, 1822) for enhancement of fingerling production. *Proceedings of 39th Annual conference of the Genetic society of Nigeria, 27-31st September, 2015, at ATBU, Bauchi, Nigeria*, 252-254.

10.3 Seminar/Paper Presented

1. **Diyaware, M.Y.**, Ayansanyo, T.O. Aremu D. Iwanegbe, A.T. and Akpaniteaku, R.C. (2003). Status of fisheries and Aquaculture in Nigeria. A paper presented at opening ceremony of the 2003 TCDC training on integrated fish farming at Asian Pacific Regional Research and Training Center for Integrated Fish Farming, Wuxi, Jiangshu province, P.R.China. 14.
2. **Diyaware, M.Y.**, Benxing, Y., Mshelia, B.Y., Jun, J. Yu, J.Y. (2004). Integrated rice-cum fish farming in demonstration Kulolori, Maiduguri, Borno state, South-South cooperation final project reported presented to NSPFS/SSC team at Borno state A.D.P.8p.

3. **Diyaware, M.Y.**, Benxing, Y., Mshelia, B.Y., Jun, J. Yu, J.Y. (2004). Integrated vegetable fish farming demonstration, Alau Lawanti, South-South cooperation final project report presented to NSPFS/SSC team at Borno state A.D.P.12p.
4. **Diyaware, M.Y.** (2006). Co-Fisheries Management for Lake Chad fishermen. *A paper presented at 2 Days workshop, Dabban Masara, Borno State Nigeria* 6p.
5. **Diyaware, M.Y.** (2007). Simple techniques for Fish fingerling production and Management. *A paper presented during training workshop conducted for Bauchi State A.D.P. 3rd to 7th December, 2007. Maiduguri.*
6. **Diyaware, M.Y.** (2008). Fish feed formulation and production using locally available feed ingredients. *Paper presented at the Monthly technical review meeting of Gombe State Agricultural Development programme, 17th January, 2008.*
7. **Diyaware, M.Y.** (2009). Fish fry and fingerling production and management. *A paper presented at Quarterly review meeting of Gombe State A.D.P, 5th-6th Gombe, January, 2009.*
8. **Diyaware, M.Y.** (2012). Aquatic Flora and Flora of Lake Chad: Nigerian Section. Environmental impact assessment for the exploration of oil in the Lake Chad Basin Area. 196P.

11. UNDER GRADUATE PROJECT/THESIS SUPERVISED

1. Sani ABDULLAHI (*HND Project*). The effect of brine concentration on the quality of dried fish (*Heterotis niloticus*). Ramat Polytechnic Maiduguri, (2001).
2. Mohammed HASSAN (**B. Fisheries**). Effect of different stocking densities on growth and survival of *Clarias gariepinus* fingerlings in net hapa University of Maiduguri (2008).
3. Umaru Buba WAKIL, (**B. Fisheries**) Evaluation of different commercial feeds on growth and survival of African catfish (*Clarias gariepinus*) fingerlings University of Maiduguri (2008).
4. Ubang Jeremiah AKANG, (**B. Fisheries**). Effect of different levels of alpha-tocopherol acetate on growth and fat composition *Clarias gariepinus* Fingerlings University of Maiduguri (2010).
5. Bunmi Elizabeth AJALA (**B. Fisheries**). Comparative studies on haematological profiles of wild and cultured Clarrids in North east Nigeria, University of Maiduguri (2010).
6. Yunusa IBRAHIM (**B. Fisheries**). Fish noodle production using different carbohydrate sources University of Maiduguri (2010).
7. Mahmud Tasiu MOHAMMED (**B. Fisheries**). Comparative studies of performance of solar tend and traditional sun drying in semi-arid zone of Nigeria, University of Maiduguri (2010).
8. Adeshina IBRAHIM (**B. Fisheries**). Effects of different smoking periods on nutritional value of African bonny tongue fish (*Heterotis niloticus*), University of Maiduguri (2010).
9. Joy CHUKWU (**B. Fisheries**). Production of all male tilapia using *Carica papaya* (papaw) seed 2011. University of Maiduguri (2011).
10. Abdurahman Mohammed DADDILE (**B. Fisheries**). Inducement of sterility in hybrid African catfish (*Clarias gariepinus x Heterobranchus bidorsallis*). Department of Fisheries, University of Maiduguri (2011).
11. Amina Ahmed GIWA (**B. Fisheries**). Blood parameter of cultured African Catfish *C. gariepinus*. Department of Fisheries, University of Maiduguri 2011.
12. Bridget OKEKE (**B. Fisheries**). Effect of *Garcinia kola* on milt quality of African catfish *Clarias gariepinus*. Department of Fisheries, University of Maiduguri 2011.
13. Maryam Garba IBRAHIM (**B. Fisheries**). Effect clove seed extract and powder on keeping qualities of smoked tilapia. Department of Fisheries, University of Maiduguri (2012).
14. Buzi EZELEIL (**B. Fisheries**). Preliminary studies on the effect fish pond water on growth performance of onion (*Allium sativum*). Department of Fisheries, University of Maiduguri (2012).
15. Judith LEKWOT (**B. Fisheries**) Some aspect of the biology of *Bryconus nurse* from Lake Alau Nigeria. Department of Fisheries, University of Maiduguri (2012).

16. Hadisa Isa YAKUBU (**B. Fisheries**). Production of Fish sauce from *Heterotis niloticus*. Department of Fisheries, University of Maiduguri (2012).
17. Bukar Ibrahim MOHAMMED (**B. Fisheries**). Effects of Sesame (*Sesamum indicus*) leaf on growth and survival of *Oreochromis niloticus* Fingerlings (Linnaeus, 1758) (2012).
18. Abdullahi ADAMU (**B. Fisheries**). Evaluation of pawpaw (*Carica papaya*) leaf meal based diet on growth and survival of African catfish *Clarias gariepinus* (Burchell, 1822) fingerlings (2012).

12. POSTGRADUATE DISSERTATION/THESIS SUPERVISION

19. Zakaria Dauda (**Ph.D Entomology**) Genetic Characterization of *Sytippilus* spp from the North East Nigeria – Co-Supervision): On going in Department of Crop Protection, University of Maiduguri, Nigeria
20. Sa'adu Bala SULEIMAN Genetic Characterization of Wild and Cultured *Clarias gariepinus* in North east Nigeria Using Microsatellite (**MSc. Fisheries and Aquaculture**) On going in Department of Fisheries, University of Maiduguri, Nigeria
21. Zannah Mohammed BARDE (**MSc. Fisheries and Aquaculture**): Evaluation of Camel, Sheep and Goat testis for sex reversal in the Nile Tilapia (*Oreochromis niloticus*): On going in Department of Fisheries, University of Maiduguri, Nigeria
22. Wanas Lalai Ndirmbita (**MSc. Fisheries and Aquaculture**): Replacement of soybean with *Faldabia albida* in the diet of *Clarias gariepinus*: On going in Department of Fisheries, University of Maiduguri, Nigeria.
23. Ibrahim Yunusa Adoke (**MSc. Fisheries and Aquaculture**): Evaluation of *Casia tora* as dietary protein in the diet of *Oreochromis niloticus*: On going in Department of Fisheries, University of Maiduguri, Nigeria.
24. Ashe GAZALLI (**MSc. Risk and Disaster Management**): On going in Centre for Risk and Disaster management, University of Maiduguri, Nigeria.
25. Mohammed Aliyu (**MSc. Fisheries and Aquaculture**). Studies on the Effects of *Terminalia suberpa* extracts on ovulation of *Clarias gariepinus* (Burchell, 1882): Department of Fisheries, University of Maiduguri, Nigeria
26. Abdulrahman Hassan Umar (**MSc. Fisheries and Aquaculture**). Genetic diversity of *Oreochromis niloticus* using RAPD from the north eastern Nigeria: Department of Fisheries, University of Maiduguri, Nigeria

13.0 RESEARCHES

On-going

1. Genetic Diversity of Clariids fish from the North East Nigeria.
2. Sex reversal in the Nile Tilapia using natural hormones.
3. Development of floating feed using locally available vegetables as binder/encapsulation.
4. Selective breeding of *Clarias gariepinus* from Lake Chad and Alau Maiduguri, Nigeria.
5. Haemoglobin polymorphism in Culturable Fish species in the North east Nigeria.

14.0 HOBBIES

Fishing, Sports (Badminton and Table Tennis), Travelling

15.0 REFEREES

1. Professor Ibrahim Abubakar Njodi
Vice-Chancellor,
University of Maiduguri,
PMB 1069, Maiduguri, Nigeria.
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2. Professor Mohammed Buba Sastawa
Dean, Faculty of Agriculture
Department of Crop Protection,
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3. Professor Ali Benjamin Haruna
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Department of Fisheries and Aquaculture,
Kogi State University, Ayigba, Nigeria,
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