CURRICULUM VITAE

1. **PERSONAL DATA**

NAME: ORIRE, Abdullahi Muhammad

SEX: Male

DATE OF BIRTH: 9th November, 1968

PLACE OF BIRTH: Ilorin

NATIONALITY: Nigeria

STATE OF ORIGIN: Kwara

LOCAL GOVERNMENT AREA: Ilorin-West

MARITAL STATUS: Married

LANGUAGES SPOKEN: English, Yoruba, Hausa

PERMANENT HOME ADDRESS: 22, Orire Compound, Baboko, Ilorin

CORRESPONDENCE ADDRESS: Department of Water Resources, Aquaculture and Fisheries Technology, School of Agriculture and Agricultural Technology, Federal University of Technology, Minna, P.M.B. 65, Niger State, Nigeria

TELEPHONE: +234-7032552295; +234-9029582227

E – mail: abdul.orire@futminna.edu.ng; abdullahiorire@gmail.com

DATE OF FIRST APPOINTMENT (PREVIOUS): Nil

DATE/RANK OF FIRST APPOINTMENT AT FUT MINNA: 1st October, 2005/Lecturer II

DATE OF CONFIRMATION OF APPOINTMENT: 1ST August, 2007

PRESENT RANK: Professor

PRESENT SALARY GRADE LEVEL/STEP: 07/01

DATE OF LAST PROMOTION: 1st October, 2020

2. EDUCATIONAL INSTITUTIONS ATTENDED/QUALIFICATION

S/NO	INSTITUTIONS ATTENDED	DATES	QUALIFICATIONS
1	Baboko L.S.M.B Primary School, Ilorin, Kwara State	1975-1980	School Leaving Certificate
2	Government Secondary School, Ilorin, Kwara State	1980-1986	WASC
3	College of Advanced College, Zaria, Kaduna State	1987-1989	I.J.M.B
4	Ahmadu Bello University, Zaria, Kaduna Satte	1990-1994	B. Agric. (Animal Production)
5	Federal University of Technology, Minna, Niger State	1997-1999	M. Tech. (Fisheries Technology)
6	Federal University of Technology, Minna, Niger State	2011	Ph.D Aquaculture Nutrition

3. WORK EXPERIENCE/CAREER PROGRESSION

S/NO	NAME OF ORGANIZATION	DATES	POSITIONS HELD/RANK
1	Federal University of Technology, Minna	2005 to 2007	Lecturer II
2	Federal University of Technology, Minna	2007-2010	Lecturer I
3	Federal University of Technology, Minna	2010-2013	Senior Lecturer
4	Federal University of Technology, Minna	2013-2016	Associate Professor
5	Federal University of Technology, Minna	2020	Professor

4. STUDENTS/MANPOWER DEVELOPMENT

4.1 **UNDERGRADUATE COURSES**:

Course Code	Course Title	Level	Session
WAF221	Introduction to Fisheries and Wildlife (Filed Trip)	500	2017 and 2018
WAF 211	Introduction to fisheries and wild life	200	2021/2022
AGR204	Introduction to Fisheries and	200	2018/2019
	Wildlife		
WAF321	Fish Nutrition	300	2005 till date

WAF314	Fish Ecology	300	2006 till date
WAF328	Aquaculture	300	2010 to 2011
FIS 303	Ichthyology	300	2018/2019
FIS499	Supervised practical year students (completed)	400	2018/2019
WAF514	Fish Population Dynamics	500	2007 till date
WAF515	Fish Farming Engineering	500	2007 to 2009
WAF522	Advanced Fish Nutrition	500	2007 till date
WAF527	Food Microbiology and Mycotoxicology	500	2008 till date
FIS 505	Fish Genetics	500	2018 till date
FIS 507	Nigerian Feeds and Feedstuffs	500	2018/2019
FIS 509	Fish Population Dynamics	500	2018 till date
FIS 504	Advanced Fish Nutrition	500	2018/2019
FIS 512	Fisheries Policy and Legislation	500	2018/2019
FIS 501	Fish Production and Management	500	2018/2019
FIS 503	Production of other Marine Products and Shell Fishes	500	2018/2019
FIS 599	Final year project	500	2018/2019
FIS 302	Fish Nutrition	300	2019/2020
FIS 504	Advanced Fish Nutrition	500	2019/2020

4.1.2 **POSTGRADUATE COURSES:**

S/NO	COURSE TITLE	COURSE CODE	CREDIT UNITS	SESSION(S)
1	Fish Nutrition	DWAF 020	2	2007 till date
2	Fish Ecology	DWAF 015	2	2007 till date
3	Fish Population Dynamics	WAF 618	2	2013 till date
4	Food Microbiology and	WAF729	2	2019 till date
	Mycotoxicology			
5	Feed formulation and	FAQ 806	2	2019/2020
	Utilization			
6	Fish post-harvest	FAQ 813	3	2019/2020
	Technology			

7	Advanced Fisheries	FAQ 814	2	2019/2020
	Management and			
	Control			

4.2 **PROJECT/THESIS SUPERVISION**

4.2.1 UNDERGRADUATE PROJECTS

S/NO	NUMBER OF STUDENTS	SESSION(S)
1	3	2010/2011
2	2	2011/2012
3	4	2012/2013
4	2	2013/2014
5	2	2014/2015
6	4	2015/2016
7	8	2016/2017
8	9	2017/2018
9	1	2018/2019
10	8	2019/2020
11	7	2021/2022

4.2.2 POSTGRADUATE PROJECTS/THESIS

M. TECH

S/N O	NAME OF STUDENT	REG NO	THESIS TITLE	Session	
1	OBONNA,	MTech/SAAT/2	Growth Performance of	2012/2013	2016
	Chinasa Kate	012/3730	Clarias gariepinus (Burchell, 1822) fingerlings fed processed locust bean (Parkia biglobosa) seed meal as replacement for fish meal.		

2	SULEIMAN, Adamu Mohammed	MTech/SAAT/2 013/4415	Utilization of some growth promoting substances in the diet of <i>Clarias gariepinus</i> (Burchell, 1822).	2013/2014	2017
3	WAHAB, Hafeez Agbaji	MTech/SAAT/2 014/5283	Design, construction of aquatronics and comparative growth performance of <i>Clarias gariepinus</i> (Catfish) Reared in aquatronics and conventional culture system	2014/2015	2017
4	OJE, Emmanuel Oluwamuyiwa	MTech/SAAT/2 015/5454	Effects of replacement of synthetic vitamins with plant-based vitamins on the growth performance, survival and haematological parameters of clarias gariepinus fingerlings	2015/2016	2018
5	OLAGUNJU, Sola Bidemi	MTech/SAAT/2 016/6606	The effects of lipids, floating catalyst and shapes on fish feed buoyancy.	2016/2017	2020
6	MUHAMMA D, Hadiza Labakpan	MTech/SAAT/2 017FT/7050	Nutrient Composition And Microbial Load of Wild And Cultured <i>Clarias gariepinus</i> In Niger State	2017/2018	2021
7	MUSA, George	MTech/SAAT/2 017/FT/6944	Investigating the Effects of Microbial Infested Feedstuffs on The Performance And Survival of <i>Clarias gariepinus</i> Fingerlings	2017/2018	2021
8	GIMBA, Abdulraheem Abubakar	MTech/SAAT/2 017FT/6938	Utilization of Shea Fractions (Shea-nut) Meal and Shea-nut Residue) in Practical Diet of <i>Clarias gariepinus</i> .	2017/2018	2021

Ph.D

S/NO	NAME OF STUDENT	REG NO	THESIS TITLE	SESSION	REMARK
1	AKOMA, Ann Obilor	PhD/2015/6 89	Heavy metal concentrations in water, sediment and fish from selected fishing sites in North-Central Nigeria	2015/2016	

2	SHETTIMA,	(PhD/SAAT	Effect of albino gene on	2014/2015	
	Aishatu	/2014/645	intraspecific hybridization of		
			African catfish (Clarias		
			gariepinus)		

5. ADMINISTRATIVE RESPONSIBILITIES DEPARTMENT:

DETARTMENT.					
S/NO	TYPE OF RESPONSIBILITY	SESSION(S)			
1	Liberian, Water Resources, Aquaculture and Fisheries Technology,	2006-2012			
	FUT, Minna				
2	Academic Level Adviser for 200, 500 Level Students, Water Resources,	2008 to 215			
	Aquaculture and Fisheries Technology, FUT, Minna				
3	Member Commercial Ventures, Water Resources, Aquaculture and	2010-2011			
	Fisheries Technology, FUT, Minna				
4	Examination officer	2010-2012			
5	Member Welfare Committee, Water Resources, Aquaculture and	2010-2012			
	Fisheries Technology, FUT, Minna				
6	Coordinator Research, Water Resources, Aquaculture and Fisheries	2013-2014,			
	Technology, FUT, Minna	2021 till date			
7	Chairman, Consultancy Outreach, Water Resources, Aquaculture and	2015			
	Fisheries Technology, FUT, Minna				
8	Academic Level Adviser for 500 Level Students	2015-2018			
9	Staff Adviser to National Association of Water Resource, Aquaculture and	2015 till date			
	Fisheries Students.				
10	Acted Head of Department, Water Resources, Aquaculture and	$19^{th}-30^{th}$			
	Fisheries Technology, FUT, Minna	April,			
		2017			
11	Acted Head of Department, Water Resources, Aquaculture and	8th - 10th			
	Fisheries Technology, FUT, Minna	August,			
		2017			
12	Postgraduate Coordinator, Water Resources, Aquaculture and	2017 to 2018,			
	Fisheries Technology, FUT, Minna	2021 till date			
13	Level coordinator, Federal University Dutse, Jigawa State	2019/2020			
14	SIWES Coordinator, Federal University Dutse, Jigawa State	2019/2020			

15	Staff Adviser for Departmental National Association of Fisheries Students (NAFIS), Department of Fisheries, Federal University Dutse, Jigawa State.	
16	Practical Year Coordinator, Federal University Dutse, Jigawa State	2019/2020

SCHOOL:

S/NO	TYPE OF RESPONSIBILITY	SESSION(S)
1	Member School Library committee, School of Agriculture and Agricultural Technology, Federal University of Technology, Minna.	2010-2011
2	Member, Eagle Eye Committee, School of Agriculture and Agricultural Technology, Federal university of Technology, Minna.	(2010-2011)
3.	Secretary Local Organizing Committee 26 th Annual Conference of Fisheries Society of Nigeria-Niger 2011, Federal University of Technology, Minna	2011
4	Member, Enquiry Committee, Department of Water Resources, Aquaculture & Fisheries Technology, Federal University of Technology, Minna.	
6	Member, Committee to Design Format for Students' Assessment of the Teaching Quality of Their Lecturers, Federal University of Technology, Minna.	2012
7	Member, Committee on Domestication of SIWES in Federal University of Technology, Minna.	20112
8	Examination Officer, School of Agriculture and Agricultural Technology, Federal University of Technology, Minna, Nigeria.	2012-2016
9	Sabbatical Leave with Federal University Dutse, Jigawa State, Nigeria	2019/2020
10	Visiting Professor with Federal University Dutse, Jigawa State, Nigeria	2020 to 2022
11	Visiting Professor with Federal University of Lafia, Nasarawa State, Nigeria	2022-2023
12	Chairman investigation committee on missing item at Tetfund Research office, Motor park, Gidan Campus	January, 2023

6. COMMUNITY AND SPECIAL SERVICES

6.1 Community Services within the University

DEPARTMENT

S/NO	TYPE OF COMMUNITY SERVICE	SESSION(S)
1	Postgraduate Coordinator, Water Resources, Aquaculture and	2017 to 2018,
	Fisheries Technology, FUT, Minna	2021 till date
2	Development of Postgraduate prospectus, Department of Fisheries and	
	Aquaculture, Federal University Dutse, Jigawa	
	State	
3	Coordinator Research, Federal University of Technology,	2021
	Minna	

SCHOOL

S/NO	TYPE OF COMMUNITY SERVICE	SESSION(S)
1	Member, Committee investigation of staff misconduct, School of Agriculture and Agricultural Technology, Federal University of Technology, Minna	2012
2	School of Agriculture and Agricultural Technology's Departmental Representative at University Convocation Exhibition Committee	2015/2016
3	Member Editorial Board Journal of Agriculture and Agricultural Technology (JAAT), School of Agriculture and Agricultural Technology, Federal University of Technology, Minna.	2016 till date
4	Member LOC First International Conference of Agriculture and Agricultural Technology, School of Agriculture and Agricultural Technology, Federal University of Technology, Minna.	2017
5	Member, Research Ethical Committee, Federal University of Technology, Minna.	2018
6	Member, Accreditation committee, Faculty of Agriculture, Federal University Dutse, Jigawa State	2019
7	Member-Investigating committee- Faculty of Agriculture, Federal University Dutse, Jigawa State, Nigeria	2019
8	Chairman, AGRA Intervention Concept Drafting Committee	2023

UNIVERSITY:

S/NO	TYPE OF COMMUNITY SERVICE	SESSION(S)
1	Appointed Invigilator – Post UME Screening exercise, Federal University of Technology, Minna.	2008
2	Member Senate Scrutiny and Business Committee, Federal University of Technology, Minna.	2012-2016
3	Member, Convocation Publication Committee, Federal University of Technology, Minna.	2013/2014
4	Member Committee of All Examination Officers, Federal University of Technology, Minna	2015
5	Congregation Representative for School of Agriculture and Agricultural Technology at University Senate, Federal University of Technology, Minna.	
6	Member, Committee on the Review of Junior Staff Conditions of Service, Federal University of Technology, Minna.	
7	7 Presentation of Lecture on "Fish Farming" to Nigeria Institute of	
	Mechanical Engineers, Minna Chapter Held at Engineering Lecture Theater, Federal University of Technology, Minna	2017
8	Member Research Ethical Committee, Federal University of Technology, Minna.	
9	Member, Adhoc-Committee on Accreditation, Federal University Dutse, Jigawa State, Nigeria.	2019
10	Chairman, Investigating Committee on Missing Items at Tetfund Research Office, Gidan Kwano Campus	2023
11	Chairman, Investigating Committee on a case of Lack of Commitment to Duty and Gross Misconduct	

6.2 COMMUNITY SERVICES OUTSIDE THE UNIVERSITY

S/NO	TYPE OF COMMUNITY SERVICE	YEAR
1	Examination Monitoring Officer – National Examination Council.	2011
2	Subject Matter Specialist on Fisheries Syllabus Development for	2011
	National Examination Council, National Examination Council, Minna,	
	Niger State	

3	Skill Acquisition and Entrepreneurship Development Programme Trainer Aquaculture Entrepreneur – National Youth Service Corp, Niger State Office.	2013-2019
4	Panel Review Meeting on Environmental Impact Assessment of Proposed	October,
	Etiama-A Exploratory Drilling Project	
5	Collation Officer-INEC General Election-Agwara Local Government	2015
	Area	
6	Monitoring Officer-National Examination Council	
7	Vice President, Training and Research-Fisheries Society of Nigeria	
	(FISON)	
8	Collation Officer - INEC General Election-Mokwa Local Government	
	Area	
9	Supervisor for BMGF/WorldFish Project on 'Aquaculture: increasing	16th-22nd
	income, diversifying diets and empowering women in Nigeria" at IITA,	June, 2019
	Ibadan, Oyo State, Nigeria	

E 10	Senior Secondary School Certificate Examination Monitoring- National	2019
	Examination Council, Dutse, Jigawa State	
11	Senior Secondary School Certificate Examination Monitoring, Suleja,	
	Niger State	
12	Senior Secondary School Certificate Examination Monitoring Suleja,	2021
	Niger State	
13	3 Senior Secondary School Certificate Examination Monitoring Minna,	
	Niger State	
14	National Conference Coordinator, Fisheries Society of Nigeria, Yola,	2022
	Adamawa Conference.	
15	Vice President, Industry- Fisheries Society of Nigeria (FISON)	2022-2024
16	INEC 2023 General election as LGA collation/Representative, Agwara	25 th
	LGA	February,
		2023
17	INEC 2023 State election as LGA collation/HoA Returning officer,	18 th March,
	Agwara LGA	2023

7. CONSULTANCY SERVICES

S/NO	TYPE OF CONSULTANCY SERVICES	YEAR
1	Service Provider to German Technical Cooperation (GTZ) on Employment-oriented Private Sector Development Program (EoPSD)	July, 2009
2	Subject matter specialist to Niger State Agricultural Mechanization	2012 till date
	Development Authority Technological Review Meeting (TRM), Niger	
	State.	
3	Subject matter specialist on Training Module development/Trainer at	17 th to 29 th
	Fadama Graduate Unemployed Youths and Women (GUYS)-Fadama	July, 2017
	Niger State office held at Federal University of Technology, Minna	
4	Subject Matter Specialist on Preparation on Development of Manuals on	10th-12th
	Best Practices and Methods for Teaching/Learning	April, 2019
	Entrepreneurship/Trade Subjects at Post Basic Level of Education in	and
	Nigeria, Federal Education Quality Assurance Service Department,	12th-13th
	Federal Ministry of Education	June,2019

5	Supervisor, BMGF/WorldFish Project on 'Aquaculture: increasing	July -
	income, diversifying diets and empowering women in Nigeria" Kebbi	October,
	State, Nigeria	
6	National Consultant-CILSS-FAO-FEWS NET-Federal Ministry of	
	Agriculture and Rural Development	
7	National Consultant-CILSS-FAO-FEWS NET-Federal Ministry of	
	Agriculture and Rural Development	
8	Technical Assistance on Livestock and Fisheries, Niger State Fadama	2022
	NCARE Delivery Unit, Niger State Ministry of Agriculture	

8. EXTERNAL EXAMINERSHIP/ACADEMIC SUPPORT SERVICES

S/NO	DEPARTMENT AND INSTITUTION	STATUS (OND/HND/ B.TECH/PH .D etc)	YEAR
1	School of Agricultural Technology, Department of Institute of Basic and Applied Science, Kwara State Polytechnic, Kwara State.	HND	2010/2011 and 2011/2012
2	University of Agriculture Makurdi, Benue State, Nigeria.	MSc	2017

9. EDITORIAL/ACADEMIC SUPPORT SERVICES (EDITORSHIP, MANUSCRIPT REVIEW ETC.)

1	Member Editorial	26 th Annual Conference Proceeding of Fisheries	2011
1	Board	Society of Nigeria	
2	Reviewer	American Journal of Experimental Agriculture	2014 till date
3	Reviewer	International Journal of Agricultural Policy and Research	2014 till date
4	Reviewer	Lapai Journal of Science and Technology,	2014 till date

5	Reviewer	International Journal of Education	2014 till date
6	Reviewer	Journal of Advances in Biology and Biotechnology	2015 till date
7	Reviewer	Nigerian Journal of Fisheries	2015 till date
8	Reviewer	Journal of Veterinary Medicine and Animal Health	2015 till date
9	Editorial Board	Journal of Agriculture and Agricultural Technology	2016
10	Reviewer	African Journal of Biotechnology	2016
11	Reviewer	International Journal of Fisheries and Aquaculture	2016 till date
12	Reviewer	Asian Journal of Fisheries and Aquatic Research	2017 till date
13	Reviewer	Annual Research & Review in Biology	2017 till date
14	Reviewer	Journal of Basic and Applied Zoology	2018 till date
15	Reviewer	Asian Journal of Research in Zoology	2018 till date
16	Chief editor	Fisheries Society of Nigeria (FISON) 35 th Annual Conference	2020

10. NATIONAL/INTERNATIONAL AWARD/PRIZES

S/NO	TYPE OF AWARD/PRIZE	
1	2 nd Position Individual Award on Agriculture Development at the 5 th Nigerian	2012
	Universities Commission Research and Development Fair Nigerian Universities	
	Research and Development Fair (NURESDEF) held at Federal University of Technology, Minna, Niger State, Nigeria.	
2	2 nd Prize FUT, Minna 1 st Convocation Exhibition Award "On-farm made floating	2015
	feed for Aquaculture species" held at Federal University of Technology, Minna,	
	Niger State, Nigeria	

3	Winner of the 3 rd Prize in the Individual (Development)	2016
	"Aquatronics (Auto water Re-Circulatory Aquaculture System)" by Group of	
	Disciplines Agriculture and Veterinary Medicine Category at the 6 th Nigerian	
	Universities Research and Development Fair (NURESDEF) held at Nnamdi Azikuwe University Awka, Anambra State, Nigeria.	
4	Winner of the 3 rd Prize in the Individual (Development) "On-Farm Made	2016
	Floating Fish Feed" by Group of Disciplines Agriculture and Veterinary	
	Medicine Category at the 6 th Nigerian Universities Research and Development Fair (NURESDEF) held at Nnamdi Azikuwe University Awka, Anambra State, Nigeria.	
5	Winner of the 2 nd Prize in the Best University by Group of Disciplines	2016
	Agriculture and Veterinary Medicine Category at the 6 th Nigerian Universities	
	Commission Research and Development Fair (NURESDEF) held at Nnamdi Azikuwe University Awka, Anambra State, Nigeria.	
6	School of Agriculture and Agricultural Technology.2016 Academic Award of excellence	2016
7	Winner 2 nd Prize Convocation Exhibition Ceremony, Federal University of	2017
	Technology, Minna on a Research Project "Solar Powered Aquatronics, held at Federal University of Technology, Minna, Niger State, Nigeria.	
8	Vice Chancellor's Award for the Distinguished Accomplishments in University	2021
	Intellectual Property Development and for Invaluable Contributions to the High	
	Performance of the University Between December, 2017- Nov ember, 2020	
9	Innovation Fellowship for Aspiring Inventors and Researchers (I-FAIR)	2021

11. INVOLVEMENT IN NATIONAL/INTERNATIONAL LINKAGES

S/NO	Type of Linkage	Institution/Organization	Year
1	Regional Centre of Expertise-Niger State-	United Nation University, Kenya	2013
1	FUT, Minna		
2	AIRCentre-NARSDAFUTMinna	AIRCentre Portugal-Abuja, Nigeria	2021

12. RESEARCH ACTIVITIES

12.2 RECENTLY COMPLETED RESEARCH (WITHIN THE LAST 36 CALENDAR MONTHS)

S/NO	TITLE OF RESEARCH	YEAR	SOURCE OF FUND
1	Nutrient requirements of <i>Oreochromis</i> niloticus- A multidimentional approach	2007	FUTMinna University Board of Research
2	Optimal protein utilization using carbohydrate and lipid sources in the practical diets of <i>Clarias gariepinus</i> (African catfish) and <i>Oreochromis niloticus</i> (Tilapia sp.)	2010	World Bank STEP-B
3	Development of Solar Powered Autofeeder Mobile Recirculation Multipurpose System	2015	Institutional Based Research Grant TETFund (TETFund/FUTMINNA/2014/41)
4	Development of High Floating Level On-Farm Fish Feed Using Microprotein and Selected Lipids as Floating Agents"	2017	TETFund, 2017 (TETFund/FUTMINNA/2017/B/03)

12.3 ONGOING FUNDED RESEARCH

S/NO	TITLE OF RESEARCH	SOURCE OF FUND
	Development of Artificial Intelligence Based	TETFund, 2019
1	Water Quality Monitoring and Control of	(TETFund/FUTMINNA/2016-
	Recirculating Aquaculture System	2017/6 th BRP/01)
2	Africa Centre of Excellence for Mycotoxin and Food Safety, Federal University of Technology, Minna, Niger State, Nigeria.	World Bank Grant, 2019
3	Cooperation for Holistic Agriculture Innovation Nests in Sub-Sahara Africa (CHAIN) EU	EU-ERASMUS+Programme

13. MAJOR ACADEMIC CONFERENCES/SEMINARS/WORKSHOPS ATTENDED

13.1 INTERNATIONAL

S/NO		TITLE		VENUE	YEAR
1	International	Conference	on	Elenite, Bulgaria	5-9, June 2014
	Agriculture an	d Food			

2	International Conference in Recent Advances in Agriculture, Biological, and Environmental Engineering	Dubai, United Arab Emirate	15-16, October, 2014
3	Agriculture and Agricultural	Federal University of Technology, Minna-Niger State-Nigeria	23 rd -26th April, 2018
4	Air Atlantic International Research Centre, Portugal	Online Webinar Conference	2020
5	Online QGIS Training Program using QGIS	Department of Geography, School of Earth Sciences, Central University of Karmataka, India and State Institute of Urban Development, Karmataka, India (Online)	13 th July to 2 nd August, 2020
6	Universities	Worcester Polytechnic Institute (WPI) Massachusetts, USA and National Universities Commission (Online)	13 th -17 th July, 2020; 20 th -27 th August, 2020
7	Aquaculture in Egypt-Flagship for Africa	Online Webinar Training	20 th August, 2020

13.2 **NATIONAL**

S/NO	TITLE	VENUE	YEAR
1.	UNICEF/NMEC Assisted Train The	Minna	5 th -16 th May,
	Trainer's Workshop on PRA/REFLECT for States		2003
2	Exhibited Research Products at the 1 st Nigerian Universities Research and Development Fair	Federal University of Technology, Minna, Nigeria State, Nigeria.	2005

3	Exhibited Research Products at the	Federal University of Technology,	2006
	2 nd Nigerian Universities Research	Minna, Niger State, Nigeria.	
	and Development Fair		

4	International Training Programme on	Maizube Abu Turab	24 th April-5 th
	Aquaculture	International Training Centre, Minna, Niger State, Nigeria.	May, 2006
5	Universal Mandatory IT Training UMITT Organized by AfriHUB ICT Solution for Africa	Federal University of Technology, Minna, Niger State, Nigeria.	2006
6	Exhibited Research Products at the 3 rd Nigerian Universities Research and Development Fair	University of Nigeria-Nsuka, Enugu State, Nigeria.	2008
7	Exhibited Research Products at the 4 th Nigerian Universities Research and Development Fair	University of Lagos, Lagos State, Nigeria	2010
8	26 th Annual Conference of Fisheries Society of Nigeria	Federal University of Technology, Minna, Niger State-Nigeria	2011
9	Exhibited Research Products at the 5 th Nigerian Universities Research and Development Fair	Federal University of Technology, Minna	2012
10	School and Level Academic Advisers on Fundamental Knowledge, Skills and Abilities organized by Quality Assurance and Productivity.	Federal University of Technology, Minna, Niger State, Nigeria.	21st June, 2012
11	27 th Annual Conference of Fisheries Society of Nigeria	Yenalgoa, Bayelsa State, Nigeria.	2012
12	28 th Annual Conference of Fisheries Society of Nigeria	Federal Capital Territory, Abuja – Nigeria	2013
13	Training on Corruption and its Effect on the University System	Federal University of Technology, Minna, Niger State, Nigeria.	2013
14	Training on 'Grant Proposal Writing"	Federal University of Technology, Minna, Niger State, Nigeria.	30 th January,2013

15	29 th Annual Conference of Fisheries	Makurdi, Benue State, Nigeria.	2014
	Society of Nigeria		
16	Research Exhibition at the 12 th Niger State National Trade Fair	Minna, Niger State, Nigeria.	2014
17	Research Product Exhibition at 1 st Convocation Exhibition	Federal University of Technology, Minna, Niger State, Nigeria.	2015
18	Examination Result Software Training	Federal University of Technology, Minna, Niger State, Nigeria.	2015
19	Research Professional Africa (RPA)	Federal University of Technology, Minna, Niger State, Nigeria.	2015
20	30 th Annual Conference of Fisheries Society of Nigeria	Asaba, Delta State, Nigeria.	2015
21	Training on Mendeley Application	Federal University of Technology, Minna, Niger State, Nigeria.	2015
22	Attitude and Organizational Growth	Federal University of Technology, Minna, Niger State, Nigeria.	2015
23	Research Product Exhibition at 2 nd Convocation Exhibition	Federal University of Technology, Minna, Niger State, Nigeria.	2016
24	Training on Research Methodology and Statistical Analysis	Federal University of Technology, Minna, Niger State, Nigeria.	2016
25	Exhibited Research Products at the 6 th Nigerian Universities Research and Development Fair	Nnamdi Azikwe University, Awka, Anambra State, Nigeria.	2016
26	Effects of Examination Officers and Academic Level Advisers on Academic Achievements	Federal University of Technology, Minna, Niger State, Nigeria.	2016
27	31st Annual Conference of Fisheries Society of Nigeria, Umar Musa Yar'adua University, Katsina	Katsina, Katsina State, Nigeria.	2016

28	Training in Role of Examination Officers and Academic Level	Technology, Minna, Niger State,	April, 2016
	Advisers on Students' Academic	Nigeria.	
	Achievements-Organized by		
	Quality Assurance and Productivity Unit.		
29	Training in "Institutional Leadership	Federal University of	7th - 9th
	Actions towards	Technology, Minna, Niger State, Nigeria.	November,
	Institutional Effectiveness" Organized by Quality Assurance and Productivity Unit.		2016
30	Research Product Exhibition at 3 rd	,	2017
	Convocation Exhibition	Technology, Minna, Niger State, Nigeria.	
31	Exhibited Research products at	Capital Territory, Abuia.	3 rd – 8 th March,
	"First Science and Technology Expo"		2017
	Organized by Ministry of		
	Science and Technology, Abuja		
32	32 st Annual Conference of Fisheries	Nnamdi Azikwe University,	2017
	Society of Nigeria	Awka, Anambra State	
33	Training on Econometrics for	FEEDTHEFUTURE, Federal	2017
	Policy Analysis Using Stata	University of Technology,	2017
	Toney Analysis Using Stata	Minna, Niger State, Nigeria.	
34	Training on Value Chain Concepts and		2018
34	Analysis (Aquaculture and	Hotel, Tunga, Minna, Niger State,	
	Fisheries)-	Nigeria.	
35		Federal University of	30th -1st
	Ceremony Exhibition	_	January,2018
36	Research Fair Show at Niger State	Niger State Trade fair	2018
	Trade Fair	Complex, Minna, Niger State, Nigeria.	
37	33 rd Annual Conference of Fisheries	Lagos State Polytechnic, Ikorodu,	2018
	Society of Nigeria	Lagos State, Nigeria.	

38	5-Day Training on Agricultural Value	The Nigeria incentive-Based	September,
	Chains (AVC) Upgrade	Risk-Sharing System for	2018
	by NIRSAL, Niger State	Agricultural Lending	
		(NIRSAL), Niger State,	
		Nigeria,	
39	34 th Annual Conference of Fisheries	Law Auditorium, Ebonyi State	28 th October –
	Society of Nigeria	University (CAS Campus),	1 st November,
		Abakaliki	2019
40	10 days Online Agribusiness Boot Camp	Farm-global Technologies using a Sustainable value chain system	10 _{th} -10 _{th} August, 2020
41	35 th Annual Conference of Fisheries	Conference Centre of Raw	15th -19th
	Society of Nigeria "Niger 2020"	Material Research and	November,
		Development, Abuja	2020
42	36 th Annual Conference of Fisheries	Ebitimi Banigo Auditorium,	24th -29th October,
	Society of Nigeria "Garden City	University of Port	2021
	2021"	Harcout, Choba, Rivers State	
43	37 th Annual Conference of Fisheries	Federal College of Education,	30 th October –
	Society of Nigeria "Yola 2022"	Yola, Adamawa State	4 th November,
			2022

14. MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS/BODIES/

INSTITUTES

S/NO	NAME OF PROFESSIONAL ASSOCIATION
1	Fisheries Society of Nigeria (FISON)- November, 2012

15. **PROJECT/THESIS OF THE APPLICANT**

S/NO	TITLE OF PROJECT/THESIS	YEAR
1	The Use of Vulva Colour in Matting Rabbit Doe	1994
2	The Effect of Binders on Feed Quality	1999
3	The Protein Sparing Effect of Lipid and Carbohydrate in the Practical Diets of Clarias gariepinus and Oreochromis niloticus	2011

16. PUBLICATIONS 16.1 Book

1. **Abdullahi Orire** (2014). Protein sparing effects of energy sources in diets of fishes. LAMBERT Academic Publishing. ist ein Imprint der / is a trademark of OmniScriptum Gmbh & Co. KG Heinrich-Bocking-Str. 6-8, 66121 Saarbrucken, Deutschland /Germany ISBN:978-3-659-39577-2 238PP

16.2 JOURNALS

International

- 2. **Orire, A.M.,** Sadiku, S.O.E and Tiamiyu, L.O (2010). Evaluation of yam starch (*Dioscorea rotundata*) as aquatic feed binder. *Pakistan journal of nutrition*. 9 (7) 668-671.
- 3. OBI M. N., Kolo, R.J. and **Orire, A.M**. (2011). The production of floating fish feed using melon shell as a floating agent. *International journal of science and nature*. 2 (3): 477-482.
- 4. J.O. Abdulkadir, S.O.E. Sadiku and **A. M. Orire** (2011). Comparative study of commercial feeds and farm-made aqua-feed on the growth of *Clarias gariepinus* fingerlings. *Journal of agricultural research and development*. 10 (2) 21-26.
- 5. Adekunle, H.L., Sadiku, S.O.E and **Orire, A. M.** (2012). Development of farm made floating feed for aquaculture species. *International journal of advanced biological research*.2 (4) 579-583.
- 6. **A. M. Orire** and S.O. Fawole (2012). Growth performance of *Clarias gariepinus* fed dietary milk fat. *Pakistan journal of nutrition*. *11 (11): 1041-1043*.
- 7. **Orire, A. M**. S.O.E. Sadiku and Emmanuel, A.J. (2013). Fish species diversity and abundance of Tagwai dam Minna-Niger State. *Journal of environmental science, toxicology and food technology.* 3(1) 22-25.
- 8. **Orire, A. M.** and Rickets, A.O. (2013). Utilization of melon shell as dietary energy sources in the diet of nile tilapia (*Oreochromis niloticus*) *International journal of engineering and science.* 2(4):5-11.
- 9. **Orire, A. M.** and Abubakar, S. (2013). Graded level inclusion of melon shell in the diet of hybrid catfish (Hetroclarias) as energy source. *Continental journal of fisheries and aquatic science*. 7(1):8-17
- 10. **Orire, A. M.** and Emezi, G.I. (2013). The growth and body composition of *Clarias* gariepinus juveniles fed combined different sources of lipid. *Continental journal of fisheries* and aquatic science. 7(1):32-41

- 11. **A. M. Orire**., Omotoyinbo S.O and Sadiku S.O.E (2013). The growth and body composition of *Clarias gariepinus* fingerlings fed combined different sources of lipid Journal of aquaculture research and development. 4 (4) 1-5.
- 12. **Orire, A. M**. and Sadiku, S.O.E. (2014). Effects of carbohydrate sources on the growth and body compositions of African catfish (*Clarias gariepinus*). *International journal of fisheries and aquaculture*. 6 (5): 55-61.
- 13. **Orire, A. M.** and Ozoadibe, T.N. (2015). Evaluation of growth performance and body composition of *Clarias gariepinus* fed graded level inclusion of soybean waste. *Journal of fisheries and aquatic science*. 10 (5):384-391.
- 14. **Orire, A. M**. Sadiku, S.O.E. and Gana, S.N. (2015). Evaluation of growth performance and body composition of *Clarias gariepinus* fingerlings fed graded level of bambara nut meal (*Vigna substrareana*) *Journal of agriculture and food technology*. 5(3) 7-13.
- 15. Yisa, T. A., and **Orire, A. M**. and Oyeyemi, O.I. (2015). Graded inclusion level of *Canarium schweinfurtii* waste chaff (CSWC) in the diet of african catfish (*Clarias gariepinus*) fingerlings as Energy Source. *IOSR Journal of agriculture and 5 veterinary science*. 8(9) 4751.
- 16. Suleiman Adamu Mohammed, **Orire Abdullahi Muhammad** and Sadiku Suleiman Omeiza Eku (2018). Effects of *Moringa oleifera* leaves, bark stem of *Lannea barteri* and antibiotic Oxytetracycline) on haematological parameters of *Clarias gariepinus* fingerlings. *Fisheries and aquaculture journal*. 9 (2) 2-5.
- 17. Taliah A.Folorunsho, Abiodun M. Aibinu, Jonathan G. Kolo, Suleiman O.E. Sadiku, **Abdullahi M. Orire** (2018). Effects of Data Normalization on Water Quality Model in a Recirculatory System Using Artificial Neural Network. *i-manager's journal on pattern* recognition. 5 (3) 21-27.
- 18. **Orire A. M.** and Emine G. I. (2019). Effects of Crude Protein Levels and Binders on Feed Buoyancy. *Journal of aquaculture research & development* 10 (2): 2-5.
- 19. Emmanuel A.J., S.O. Olufeagba and **A.M. Orire (2019).** Survey of tilapia consumption in Benue State Nigeria: A case study of Makurdi metropolis. *International journal of fisheries and aquaculture research* 5 (4) 10-24
- 20. Folorunso Taliha A, Aibinu Musa Abiodun, Kolo Jonathan Gana, Sadiku Suleiman Omeiza Eku and **Orire Abdullahi Muhammed** (2019). Water quality index estimation model for aquaculture system using artificial neural network. *Journal of advanced computer engineering technology* 5 (3)195-204

- 21. **A.M. Orire** and Z.A. Salihu (2020). Effects of nutrient inclusion levels on aquafeed bouyancy. *Tanzania journal of agricultural sciences* 19 (2):161-166
- 22. Suleiman, A.M., **Orire**, **A.M**., Sadiku, S.O.E. and Bake, G.G. (2023). Growth performance, nutrient utilization and survival rate of *Clarias gariepinus* fed varied inclusion of processed *Moringa oleifera* diets. *International journal of fisheries and aquatic studies*. 2 (1) part A, 36-40

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- 23. **Orire, A. M;** Sadiku, S.O.E and Tiamiyu, L.O (2001) Suitability of Cassava (*Manihot* **esculenta**) Starch as Feed Binder *Journal of pure and applied science forum.* 4 (1): 61-65.
- 24. **Orire, A. M;** Sadiku, S.O.E and Tiamiyu, L.O (2005). Evaluation of corn (*Zea mays*) *starch* as feed binder. *Journal of sustainable tropical agricultural research*. 16: 107-110.
- 25. Suleiman, A. M, S.O. E. Sadiku, and **Orire, A. M** (2008). Production of floating pellets using appropriate methods. *Journal of agriculture, forestry and the social sciences*. 6 (2): 208-217.
- 26. Suleiman, I., Sadiku, S.O.E and **Orire**, **A. M**. (2009). Effect of binder processing on feed quality" *Journal of agriculture, forestry and the social sciences*. 7 (1):158-166.
- 27. Awoku, D.T., Sadiku, S.O.E. and **Orire, A. M** (2009). Utilization of agricultural wastes Cocoa Pod Husk) in the diet of *Clarias gariepinus* (Burchell 1822) *Journal of agriculture, forestry and the social sciences*. 7 (2) 164-171.
- 28. Ndakatu, A.M; **Orire, A. M** and Cordelia, E.C (2010). Replacement of fishmeal with yeast (*Saccaromyces cerevisiae*) in the diet of *Oreochromis niloticus* fingerlings. *Journal of agriculture, forestry and the social sciences*. 8 (1) 159-166.
- 29. **Orire, A. M** and Sadiku, S.O.E (2011). Protein Sparing Effects of Carbohydrate in African Catfish, Clarias gariepinus. Nigerian journal of fisheries science and technology. 2 (1):11-20.
- 30. **Orire, A. M** and S.O.E. Sadiku (2011). The protein sparing effect of lipid in african Catfish, Clarias gariepinus (BURCHELL, 1822) Nigerian journal of fisheries science and technology. 2 (2): 69-78.
- 31. **Orire, A. M** and Sadiku, S.O.E (2011) Protein Sparing Effects of carbohydrate in the practical diets of *Oreochromis niloticus* (Nile tilapia). *Nigerian journal of fisheries*. 8 (1)168-175.

- 32. **A. M. Orire** and S.O.E. Sadiku (2011). Protein sparing effect of lipids in the practical diets of *Oreochromis niloticus* (Nile Tilapia) *Nigerian journal of basic and applied sciences*. 19 (1): 142-129.
- 33. **Orire, A. M** and Adam, A. (2012) The Effects of feeding frequency and feeding rate on the growth of *Clarias gariepinus*. *Journal of science, technology, mathematics and education*. 8 (3) 125-132.
- 34. **Orire, A. M.,** Fache, P.O. and S.O.E Sadiku (2015). The effects of varying inclusion levels of *Saccharomyces cerevisiae* and incubation periods on aqua-feed buoyancy. *Nigerian journal of fisheries*. 12 (1) 2015 864-870.
- 35. **Orire, Abdullahi Muhammad**, Amupitan Oluwatoyin Omolade and Safiya Yahya Daniyan (2016). Growth performance and body compositions of *Clarias gariepinus* fed graded levels of detoxified *Jatropha curcas* meal. *Journal of agriculture and agricultural technology* 3 (5) 1-5.
- 36. Adegboye, M.A. Aibinu, A.M., Kolo, J.G., **Orire, A. M.**, Folorunso, T.A. & Aliyu, I. (2017). A vibration processing analysis approach to the development of fish feeding regime system. *Computing information systems & development informatics & allied research journal*. 8(1). 141-148. www.cisdijournal.ne
- 37. Ibrahim Aliyu; Kolo Jonathan Gana; Aibinu Abiodun Musa; James Agajo; **Abdullahi Mohammed Orire;** Folorunso Taliha Abiodun; Mutiu Adesina Adegboye (2017). A proposed fish counting algorithm using digital image processing technique. ATBU *Journal of science, technology & education* (JOSTE).; 5 (1). 1-11.
- 38. **Orire A. M.**, Ebonyi, G. E. and Daniyan, S.Y. (2018). Effects of replacement of vegetable oil with detoxified *Jatropha curcas* oil in the diet of *Clarias gariepinus* (Burchell, 1822) fingerlings. *Nigerian journal of fisheries and aquaculture* 6 (1):7 –14.
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- 40. Haruna, M. A., Ipinjolu, J. K. and **Orire, A. M**. (2019). Effects of processing methods on fatty acid composition, physical and chemical properties of *Moringa oleifera seed* oil. *Journal of aquatic sciences*. *34* (2) 117-124 DOI: https://dx.doi.org/10.4314.jas.v34i2.3.
- 41. **Orire, A. M.**, Fasomo, G. B. and Haruna, M. A. (2019). Effects of replacing fish meal with cockroach (*Periplaneta americana*) meal in the diet of African catfish (*Clarias gariepinus*) fingerlings. *Journal of aquatic sciences*, 34(2):133-142

 DOI: https://dx.doi.org/10.4314.jas.v34i2.3

- 42. Haruna, M. A., Ipinjolu, J.K. and **Orire, A.M.** (2019). Effects of graded levels of *Moringa* oleifera seed meal on apparent digestibility coefficient and body composition of *Clarias* gariepinus. Taraba journal of agricultural research 7 (2): 117-122
- 43. **Orire, A. M.**, Idume-David, J. E. and Haruna, M. A. (2019). The effects of cockroach (*Periplenata americana*) meal on the haematological parameters of African catfish (*Clarias gariepinus* Burchell 1822) fingerlings. *Taraba journal of agricultural research*. 7 (2): 139149
- 44. Muhammad A. Haruna, Joseph K. Ipinjolu, Israel O. Obaroh and **Abdullahi M. Orire** (2020). Cost and benefit of utilizing processed *Moringa oleifera* Seed Meal in the diets of *Clarias gariepinus* (Burchell, 1822). *Equity journal of science and technology* 7(1):35-40
- 45. **Orire A. M.**, & Paul, B. N (2020). Growth performance of *Clarias gariepinus* larvae fed with varying starter diets *Journal of science, technology, mathematics and education* (JOSTMED). 16(4), 21-27
- 46. **Orire, A. M.**, & Nwafor, B. (2020). The effect of salt concentrations on brine shrimp hatchability. *Journal of science, technology, mathematics and education* (JOSTMED), 16(4),54-57
- 47. **Orire A. M.,** Musa, Y. and Haruna, M. A (2020). Effects of some natural preservatives on the nutrient composition and shelf life of smoked tilapia species (*Oreocromis niloticus*) *Journal of agriculture and agricultural technology* 11(1):17-22.
- 48. **Orire, A.M;** 1., Chinenyem, F. S. and Haruna, M.A (2020). Nutritional evaluation of cooked *Tamarindus indica* seed meal and performance of *Clarias gariepinus* fingerlings. *Journal of agriculture and agricultural technology* 11(1):43-48
- 49. Ekundayo, T. M., S. O. E. Sadiku, J. O. Oyero, G.G. Bake and A. M. Orire (2021). Effects of photoperiod and feeding frequency on the growth performance and feed utilization of *Clarias gariepinus*. *Nigerian journal of fisheries* (18) 2 pp. 2324-2326

16.3 **CONFERENCE PROCEEDINGS**

International

50. A. T. Yisa, **Abdullahi, Orire M.** and Yusuf, G.A. (2014). Growth performance and body composition of *Clarias gariepinus* fingerlings fed varying inclusion level of *Canarium schweinfurtii* (African Elemi) oil. *Proceeding of International Conference in Recent Advances in Agricultural, Biological and Environmental Sciences* (AABES 2014) edited Prof. Dr. Md, Aminur Rahman, Prof. Dr. Rahim Ahmadi organized by International Institute of Chemical, Biological and Environmental Engineering held at Holiday Inn DubaiDowntown Dubai, Al Rigga Road, Dubai-United Arab Emirates between 15-16th October, 2014. Pp. 74-78.

51. **Orire, A.M** and Muhammad R. (2014). Growth performance of *Clarias gariepinus* fingerlings fed graded inclusion of fermented locust bean (*Pakia biglobosa*). *Proceeding* of *International Conference in Recent Advances in Agricultural, Biological and Environmental Sciences* (AABES 2014) edited by Prof. Dr. Md, Aminur Rahman, Prof. Dr. Rahim Ahmadi organized by *International Institute of Chemical, Biological and Environmental Engineering* held at Holiday Inn Dubai-Downtown Dubai, Al Rigga Road, Dubai-United Arab Emirates between 15-16th October, 2014 Pp 79-87.

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- 52. **Orire, A. M**. (2013). Digestible protein sparing effects of digestible lipids in *Clarias gariepinus* Proceedings of 28th Annual Conference of Fisheries Society of Nigeria, Abuja, Nov. 25-29, 2013 Pp 358-361.
- 53. Ogbonna, C.K and **A.M. Orire** (2015). Growth and body composition of catfish (*Clarias gariepinus*) fingerlings fed graded inclusion levels of raw locust bean meal (*Pakia biglobosa*) as replacement for fish meal. *Proceedings of the 30th Annual Conference of Fisheries Society of Nigeria*, ETF Lecture Theatre, Delta State University, Asaba, Delta State. 22nd -27th November, 2015 Pp 273-276
- 54. Suleiman, A. M., **Orire, A. M.** and Sadiku, S.O.E. (2016). Utilization of *Moringa oleifera* leaves and *Lannea barteri* bark extract as growth promoting additives in the diet of *Clarias gariepinus* fingerlings (2016). *Proceedings of the 31st Annual Conference of Fisheries Society of Nigeria. Umar Musa Yar'adua University Auditorium, Katsina State* 30th October 4th November, 2016 Pp 104-107
- 55. Folorunsho, T. A., Aibinu, A.M., Kolo, J.G., Sadiku, S.O.E., and **Orire, A.M**. (2017). Iteractive Parameter selection based artificial neural network for water quality prediction in tank-cultured aquaculture system. 2nd International Engineering Conference (IEC 2017), held at Federal University of Technology, Minna, Niger Pp 148-154
- 56. **A. M. Orire** and N. I. Ogbu (2018). Nutrition evaluation and growth performance of *Clarias gariepinus* fingerlings fed varying inclusions of toasted *Tamarindus indica* seed meal. *Proceedings of the 33th Annual Conference of Fisheries Society of Nigeria*. Lagos State Polytechnic, Ikorodu, Lagos State, Nigeria. 28th October to 2nd November, 2018. Pp 422-425
- 57. A. M. Orire; S.O.E. Sadiku, H.A. Wahab, S. Isiyaku; and A.B, Garba (2018). Comparative evaluation of growth performance of *Clarias gariepinus* juvenile reared in solar-powered aquatronics and conventional aquaculture systems. *Proceedings of the 33th Annual Conference of Fisheries Society of Nigeria*. Lagos State Polytechnic, Ikorodu, Lagos State, Nigeria. 28th October to 2nd November, 2018. Pp 563-565

- 58. Suleiman, A.M; **Orire, A.M**. and Suleiman, S.O.E (2019). Impacts of *Moringa oleifera* leave, *Lamea barteri* and Oxytetracycline on the Body composition of *Clarias gariepinus* fingerlings. *Proceedings of the 34th Annual Conference of Fisheries Society of Nigeria*, held at Law Auditorium, Ebonyi State University, Ebonyi State. Oct. 28th -1st Nov, 2019 Pp 105110.
- 59. **Orire, A. M.**, and O.J. Esther (2019). Body composition and nutrient utilization of *Clarias gariepinus* fingerlings fed cooked *Albizia lebbeck* seed meal. *Proceedings of 1st International Conference of Agriculture and Agricultural Technology on Food Security in Nigeria: Agricultural Diversification as a Panacea* edited by Dr. C. E. Chinma, Mr. A. Ibrahim and Prof. J. N. Nmadu organized by School of Agriculture and Agricultural Technology, Federal University of Technology, Minna held at School of Agriculture and Agricultural Technology between 23rd 26th April, 2019. Pp 316 321.
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- 61. H. L. Muhammad, **A.M. Orire**, and S.O.E. Sadiku (2019). Proximate compositions of *Clarias gariepinus* from selected dams in Niger state. *Proceeding of 53rd Annual Conference of Agricultural Society of Nigeria (ASN)*. National Cereals Research Institute, Badeggi, Niger State. 21st -25th October, 2019. Pp 93-95
- 62. Shettima. A, Yisa T. A Tsado M.S, **Orire A.M**, Sogbesan O. A and Apollos T. G (2020). Some morphometric and meristic characteristic of cross between albino Clarias and normal *Clarias gariepinus*. 35th Annual Conference of Fisheries Society of Nigeria (FISON), held at Raw Material Research and Development Centre (RMRDC), Abuja, 15th -19th November, 2020.Pp 38-41.
- 63. Kolo R.J., **Orire, A.M.**, Jidelola F.B. and Haruna, M.A. (2020). Effect of garlic as feed additive on the growth performance of African catfish (*Clarias gariepinus*). 35th Annual Conference of Fisheries Society of Nigeria (FISON), held at Raw Material Research and Development Centre, Abuja (RMRDC), 15th -19th November, 2020. Pp 92-96.
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- 65. Mamman, T., **Orire, A. M.**, Sadiku, S.O.E., Bake, G.G. and Jibrin, H. (2022). Nutritional evaluation of processed calabash (Lagemaria vulgaris) seed meal on various processing

- methods for fish feeds. 37th Annual conference of Fisheries Society of Nigeria (FISON), held at Federal College of Education, Yola, Adamawa State, 30th October-4th November, 2022.
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- 67. Suleiman, **A.M., Orire**, A.M., Sadiku, S. O. E. and Bake, G.G. (2022). Effect of processed selected medicinal plants diets on haematological parameters of *Clarias gariepinus* (Burchell, 1822). 2nd *International Conference of Agriculture and Agricultural Technology*, Minna, Nigeria, 11th to 13th December, 2022.
- 68. A. S. Fayemiwo, S.O.E. Sadiku and A.M. Orire (2022). Utilization of maize bran chemical hydrolysate using mineral acid in the practical diets of *Clarias gariepinus*. 2nd International Conference of Agriculture and Agricultural Technology, Minna, Nigeria, 11th to 13th December, 2022.

16.4 Technical Papers

17. Patent/Inventions

S/No.	PRODUCT NAME	PATENT CODE	YEAR
1.	On-farm Floating Fish Feed	NG/P/2018/373	2018
2.	Invention/innovation- SOGI-Fish Autofeeder		
3.	Automated Multipurpose Aquaculture System		

18. EXTRA-CURRICULAR ACTIVITIES

Volunteering, Reading, Teaching, Traveling and Meditating

18. **REFEREE**

- 1. Prof. S.O.E. Sadiku, Department of Water Resources, Aquaculture and Fisheries Technology, Federal University of Technology, Minna. soesadiku@futminna.edu.ng
- 2. Prof. S.M. Tsadu, Department of Water Resources, Aquaculture and Fisheries Technology, Federal University of Technology, Minna. shaba.tsadu@futminna.edu.ng
- 3. Prof. R.J. Kolo, Department of Water Resources, Aquaculture and Fisheries Technology, Federal University of Technology, Minna. reubanjiya.kolo@futminna.edu.ng



	31/03/2023
SIGNATURE OF APPLICANT	DATE