



Department of Aquaculture and Fisheries  
Management, University of Ibadan



AU Centre of Excellence in Aquaculture and Inland  
Fisheries

**By**

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# Vision and Mission



- Vision statement
  - To build a Department that will be a centre of excellence for coordinating and facilitating state-of-the-art research and dissemination on fisheries and aquaculture production in Nigeria and sub-Saharan Africa
- **Mission**
  - Creation of a conducive environment for learning
  - To produce knowledgeable graduates of integrity in the fisheries and aquaculture sector that are highly employable and able to create employment
  - Establish strong research links in collaboration with world-class fisheries-related institutions both at home and abroad
  - Creation of a sustainable template for the enhancement of fisheries and aquaculture production for the benefit of the community within and outside the University.



# The CORE AREAS



- The first Department in SSA that offers full-fledged degrees in Fisheries Management
- Areas of Strength
  - Capacity Development
  - Entrepreneurship
  - Innovative Research
  - Grants and Linkages



# Staff Strength



- The Department is endowed with experienced Lecturers at senior and middle cadres, who are experts in their different areas of specialization
  - with a rich crop of technical and administrative staff, work diligently to maintain the high academic standard and discipline of the University
- There are 13 academic staff comprised of six staff at the Professorial cadre, four senior lecturers and three in other cadres
- 33% of the academic staff are female
- All have Ph.D.
- In addition, there are 5 technical and 3 administrative staff.



# Capacity Development



- The Department since its inception has graduated over 910 first-degree holders in Nigeria and various countries within the West and Central Africa sub-region (Benin - 5, Mali - 10, Niger- 5, Chad- 4, and Cameroon- 8, Guinea Conakry-5).
- The Department has trained over 525 M.Sc. students under this programme and 212 Ph.Ds and 85 M.Phil graduates in aquaculture and fisheries management.
- Currently, the Department has 520 undergraduate students, 62 M.Sc., 22 M.Phil and 97 Ph.D. students, the composition comprises 85% Nigerians and 15% students from the African sub-region and Europe
- In terms of gender distribution, 52% and 48% of the students in the programme are males and females, respectively



# Entrepreneurship



- Another stronghold of the Department curricula is entrepreneurship
- The entrepreneurship content of the Department's programme pride her as a first destination of choice by students as its graduates are among the most sought after by the employers
- This is clearly demonstrated through the practical year programme whose objectives include:
  - ✓ Knowledge through practice
  - ✓ Greater confidence through participation and learning, and
  - ✓ Increased impact and production through the application of relevant and affordable technology



- In a bid to boost the entrepreneurial skills of the youths in Nigeria (figure 1)
- the Department has been admitting students from over fifteen tertiary institutions in Nigeria for practical training on the Departmental fish farm.
- So far more than 1,500 students have been trained through these initiatives



**Figure 1: PYTP students Interaction with the Chief Executive Officer of Triton Farm on Assessment tour for staff recruitments**



# The Fish Farm



- The Department has a model fish farm for research, training, and demonstration of commercialisation of our research output
- This farm has become a prototype for other Departments of Fisheries Management in Nigerian Universities and private sectors who want to invest in commercial aquaculture
- The Uniqueness of this farm is based on the fact that the management and day-to-day running of the farm are carried out by the students
- The farm has the capacity to produce 200 tons of fish annually with a smoke fish processing capacity of 1 tonne of fish per day
- Fish seed production capacity of 100,000 seeds per month







# The Fish Farm Cont'd





# Research linkages



- The Department is also well recognised in Nigeria, sub-region, Africa and globally in the area of conducts of demand-driven innovative and pioneering research which has engendered the fisheries communities to the ability of academics from the Department to proffered seasoned and tested solutions to challenges in the industry.
- Since its inception, the Department has been able to manage grants and funding supports from various local and international institutions such as Cap feed, Grand Cereal, Tertiary Educational Fund, University Research Grant, European Union, World Bank, British Council, DAAD, NUFFIC, African Development Bank, Commonwealth Fund, Fulbright fellowship, Japan Government Fellowship, African Union, WorldFish Center, CORAF/WECARD fund, Royal society fellowship among others, valued in millions of dollars



# Some of the key innovations developed in the Department include:



- Development of modern smoking kilns
- Design of integrated fishpond systems for increased and sustainable productivity
- Fish Feed development (Low or Zero fish meal inclusion)
- Zero waste generation model under an integrated system
- Probiotic development for fish feed
- Use of Phytogenics in sex reversal of tilapia



# Some of the key innovations developed by experts from the Department include:



- Fish Health Management through the use of identified phytochemicals
- Genetic improvement of African catfish
- Development of easy and locally adaptable technology for mass production of African catfish seeds
- Aquaculture development of indigenous tilapia and Freshwater prawn
- Aquaponics development
- Waste water reuse systems
- Development of alternative fish species for culture in the region
- Bionomics study of key freshwater species in Nigeria
- Development of insect protein for fish feed



# Collaborations and grants



- In the last decade, some of our collaborations include
- DAAD In-country and In-region Fellowship in Fisheries Management
  - Training of 14 African scholars and 25 Nigerian Scholarships for M.Sc. Training
- WAAPP (West Africa Agricultural Productivity Programme) training of 140 aquapreneurs within the subregion
- Worldfish: Collaborations for regional fish trade
- USAID Feed Innovation Laboratory. The Department currently manages three projects under this initiative



# Collaborations and grants



- CORAF Collaboration on integrated aquaculture innovations for the West and Central African regions on capacity building of farmers and youth
- FAO of the United Nation collaboration on integrated aquaculture
- The University of Georgia, USA collaborations on fish feed development
- The University of Venda, South Africa for capacity building and development



- In addition, many members of staff in the Department are recipients of individual grants and consultancies to notable international development agencies such as
  - AU-IBAR
  - African Development Bank
  - FAO of United Nations
  - World Bank
  - WorldFish
  - International Foundation for Science
  - USAID
  - CORAF
  - and many others



# Areas of Needs



- Solar for uninterrupted power supply
- Exchange programmes for staff and students
- Feed mill Equipment
- Equipment for canning and Training

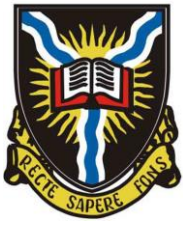




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