



**Prof. IDOWU, A. A**

**i. Brief Biography on Prof. IDOWU Adekunle Adedoyin**

Professor IDOWU Adekunle Adedoyin is currently a Professor of Fisheries Management and Ecotoxicology in the Department of Aquaculture and Fisheries Management, College of Environmental Resources Management, Federal University of Agriculture Abeokuta (FUNAAB), Nigeria.

Prof. Idowu has a B.Sc Zoology from the University of Lagos, M.Sc Fisheries Management, and PhD in Fisheries Management from University of Ibadan. He has been in Fisheries extension for sixteen years where he has rendered technical advice on fish farm management before joining the services of Federal University of Agriculture, Abeokuta

His research areas are focused in all aspect of Fisheries management and Ecotoxicology with the aim of evolving improved policy.

He was the immediate past Acting Head of Department, a member of Fisheries Society of Nigeria (FISON), member of Society of Toxicology, USA.

He is married with children

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Fisheries management and ecotoxicology

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### **Educational Institutions Attended (with dates)**

Madaki Primary School, Minna	-	1970 - 1976
St. Antony's Grammar School, Esure, Ijebu Imusin	-	1976 - 1981
University of Lagos, Lagos	-	1983 - 1987
University of Ibadan, Ibadan	-	1988 - 1990
University of Ibadan, Ibadan	-	2003 - 2008

### **Qualification**

Primary School leaving Certificate	-	1976
West African School Certificate	-	1981
General Certificate of Education 'O'L	-	1982
B.Sc (Zoology)	-	1987
M.Sc (Fisheries Management)	-	1990
PhD (Fisheries Management)	-	2008

### **Membership of Professional Bodies**

- i. Member, Fisheries Society of Nigeria (FISON)
- ii. Member, Society of Toxicology (SOT), USA
- iii. Member, Society for Conservation Biology (SCB), USA
- iv. Member, Royal Society of New Zealand
- v. Member, Network of Tropical Aquaculture Scientist (NTAS), Philippines

### **Research Conducted**

- (a) Morphometric and Molecular characterization of 'Wesafu' from  
Iwopin estuary and Akosa from Opeji river in Ogun State, Nigeria 2022
- (b) Effects of some water quality parameters on histological and haematological profiles  
of two important fish species from Ogun waterside lagoon system, Nigeria 2019
- (c) Toxicity effects of *Erythrophleum suaveolens* extracts on subadult  
*Clarias gariepinus* 2018
- (d) Phthalate influence on enzymes performance of *Clarias gariepinus* 2016

## Publication

- (1) **Idowu, A. A.**, Jenyo-Oni, A. and Ayoola, S. O. (2008): Fish resources of lagoon waters of Ogun waterside Local Government Area, Ogun State, Nigeria. *Obeche Journal*, 26 (2):15 – 22. Published by Faculty of Agriculture and Forestry, University of Ibadan, Nigeria.
- (2) **Idowu, A. A.** and Ayoola, S. O. (2008): Fish resources and physico-chemical parameters of lagoon systems in Ogun waterside Local Government Area, Ogun State, Nigeria. *Journal of Environmental Extension*, 7:56 – 62. Published by the Department of Agricultural Extension and Rural Development, University of Ibadan.
- f(3) Ayoola, S. O. **Idowu, A. A.** and Lawal-Are, A. O. (2009): Monoculture of Fresh Water Shrimps (*Macrobrancium Species*). *European Journal of Scientific Research*, 29 (4) 471 – 480. Published by EuroJournals Publishing, Inc., Seychelles, East Africa Available online (<http://www.eurojournals.com/ejsr.htm>)
- f(4) **Idowu, A. A.** (2010): Effect of some socio-economic activities on fish diversity of Lagoon systems in Ogun waterside local government of Ogun State, Nigeria. *International Journal of Biological and Chemical Science*, 4 (1):88-99. Published by the Department of Biochemistry, Dchang University, Cameroun. Available online at (<http://www.ajol.info>)
- f(5) Abdul, W. O., Omoniyi, I, Akegbejo-Samsons, Y, Agbon, A A, and **Idowu, A A** (2010): Length-weight relationship and condition factor of cichlid tilapia, *Sarotherodon galilaeus*, in the freshwater ecotype of Ogun estuary, Ogun state, Nigeria. *International Journal of Biological and Chemical Sciences*, 4(4):1153-1162. Published by the Department of Biochemistry, Dchang University, Cameroun. Available online at (<http://www.ajol.info>)
- (7) Ikenweiwe, N. B., **Idowu, A. A.** and Ayoola, S. O. (2010): Effects of oven and air dried pituitary hormone on the ovulative capacity of gravid *Clarias gariepinus*. *African Journal of Livestock Extension*, 8: 1-3. Published by the Department of Agricultural Extension and Rural Development, University of Ibadan.
- (7) Ayoola, S.O, **Idowu, A. A.**, Ikenweiwe, N. B and Ajagbe, E.F. (2010): Haematological Changes in *Clarias gariepinus* Exposed to Cypermerthrin. *Journal of Environmental Extension*, 9: 63-71. Published by the Department of Agricultural Extension and Rural Development, University of Ibadan.
- f(8) Ikenweiwe, N. B., **Idowu, A. A.**, Bamidele, N. A. Otubusin, S. O. and Fadipe,,E.O.. (2011): Effect of socio-economic factors of fish catch in Lower Ogun River, Isheri-Olofin and Ishasi Ogun State, Nigeria. *International Journal of Agricultural Management and Development.(IJAMAD)*, 1 (4):247-257. Published by the Islamic Azad University, Rasht Branch, Iran. Available online at <http://www.ijamad.com>.

- f(9) **Idowu, A. A.**, Ayoola, S. O., Opele, A. I. and Ikenweiwe, N. B. (2011): Impact of Climate in Nigeria. *Iranica Journal of Energy & Environment*, 2 (2): 145-152. Published by IJEE an Official Peer Reviewed Journal of Babol Noshirvani University of Technology, Iran.
- (10) Olaoye, O. J., Ashaolu, O. F., **Idowu, A. A.**, Akintayo, I. A and Talabi, J. O. (2011): Fish production variables and determinants of demand for Ogun State Agricultural and Multipurpose Credit Agency Loans among fish farmers in Ogun State, Nigeria. *Obeche Journal*, 29 (1): 218-226. Published by Faculty of Agriculture and Forestry, University of Ibadan, Nigeria.
- (11) Abdul, W.O., Omoniyi, I.T., Agbon, A.O., Odulate, D.O., **Idowu, A.A.**, and Adeoye, A.A. (2012): Growth and Population Indices of *Tilapia zillii* in Freshwater Ecotype of Ogun Estuary, Ogun State, Nigeria. *Obeche Journal*, 30 (1): 396-405. Published by Faculty of Agriculture and Forestry, University of Ibadan, Nigeria.
- f(12) Obasa, S. O, Alegbeleye, W. O, Akinyemi, A. A , **Idowu, A. A**, Bamidele, N. A. and Adesanya, A. N. (2013): Replacement of maize meal by toasted African breadfruit (*Treculia africana*) seed meal in the diet of *Clarias gariepinus* (Burchell 1822) fingerlings. *Livestock Research for Rural Development*, 25 (6):1-8. Published by Fundación CIPAV, Cali, Colombia  
Available online at <http://www.lrrd.org/lrrd25/06/obas25108.htm>
- (13) Odulate, D. O., George, F.O. A., and **Idowu, A. A** (2012): Role of Women in Fisheries in Coastal Wetland Areas of Ogun State, SouthWest Nigeria. *Journal of Agricultural Science and Environment*, 12 (1): 74 – 82. Published by Federal University of Agriculture, Abeokuta, Nigeria.
- (14) **Idowu, A. A**, Odulate, D.O, Olaoye, O. J, Ikenweiwe, N. B, Obasa, S. O and Abdul, W. O (2012): Morphometric and Meristic Study of *Ethmalosa fimbriata* (Bowdich) from Brackish Water and Marine Environment, *Journal of Agricultural Science and Environment*, 12 (1): 60 – 66 Published by Federal University of Agriculture, Abeokuta, Nigeria.
- (15) **Idowu, A. A**, Odulate, D. O, Adeosun, F. I, Abdul, W. O, Akinyemi, A. A and Akinware, T. H (2013): Food and feeding habits of *Mugil cephalus* (grey mullet) from wetland of Ogun water-side Local Government Area. *Ibadan Journal of Agricultural Research (IJAR)*, 9: 183 – 189 Published by Faculty of Agriculture and Forestry, University of Ibadan.
- (16) **Idowu, A. A**, Odulate, D. O, Adeosun, F. I, Abdul, W. O, Akinware, T. H and Akinyemi, A. A (2014): Morphometric and Meristic characteristics of *Mugil cephalus* (grey mullet) from wetland of Ogun water-side Local Government Area. *Nigerian Journal of Animal production*, 41(2): 226 – 235 Published by the Nigerian Society for Animal production.

- f(17) Agbebi, O. T., Olowofeso, O., **Idowu, A. A.** and Sofela, S. O. (2014): Protein Profile Expression of *Clarias gariepinus*, *Heterobranchus bidorsalis* and their Reciprocal Hybrids in Southwest Nigeria. ***Biotechnology***, 13 (5): 233–238. Published by Asian Network for Scientific Information.
- (18) **Idowu, A. A.**, Ikenweiwe, N.B, Akinyemi, A, A and Alimi, A. A (2015): Efficacy of some synthetic antibiotics on *Streptococcus pneumonia* and *Proteus mirabilis* isolated from fish tanks. ***Nigerian Journal of Animal Production***, 42 (1): 223 – 230 Published by the Nigerian Society for Animal production.
- (19) **Idowu, A. A.**, Jenyo-Oni, A, Olaoye, O. J., Ojelade, O.C and K. A, El-Imam (2015): Analysis of fishing technology and fish production by women in small scale fishing enterprise in Ogun waterside LGA, Ogun state, Nigeria. ***Nigerian Journal of Fisheries***, 12 (1): 787-794. Published by the Fisheries Society of Nigeria.
- (20) Adeosun, F. I., **Idowu, A. A.**, Abdul, W. O. and Odulate, D. O.(2017): Food and feeding habits of *Hydrocynus brevis* Gunther, 1864 (Tiger Fish) in Oyan Lake, Ogun State, Southwestern Nigeria. ***The Nigerian Field***. 82:89-95 Published by The Field Society of Nigeria
- (21) **Idowu, A. A.**, Odulate, D. O, Adeosun, F. I, Abdul, W. O, Akinware, T. H and Akinyemi, A. A (2016): Some biological aspects of *Mugil cephalus* (grey mullet) from wetland of Ogun water-side Local Government Area. ***Nigerian Journal of Animal Production***, 43 (1): 314 – 324. Published by the Nigerian Society for Animal production.
- f(22) Abiona, B. G., Fakoya, E. O., Alegbeleye, W. O., Fapojuwo, E. O., Adeogun, S. O., **Idowu, A. A.**, and Aromolaran, A. K (2011): Constraints to Integrated and Non-Integrated Fish Farming Activities in Ogun State, Nigeria. ***Journal of Agricultural Science***, 3 (4): 233 – 240. Published by Canadian Center of Science and Education. Canada. Available online at ([www.ccsenet.org/jas](http://www.ccsenet.org/jas))
- (23) Ajayi, O. L, **Idowu, A. A.** Mshelbwaln, M, Adebisi, A. A, Olaniyi, M. O and Oluwabi, T. M. (2018): Outbreak of cutaneous papilloma in cultured African catfish (*Clarias gariepinus*) (Burchell, 1822) in Nigeria. 36 (4): 249 – 260. ***Tropical Veterinarian***, Published by Faculty of Veterinary Medicine, University of Ibadan.
- (24) **Idowu A. A.**, Odulate, O. O, Bamidele, N. A, Obasa, S. O and Oyeboade, O (2018): Utilization of *Ipomea aquatic* as energy source in the diet of juvenile *Coptodon zillii*. ***Nigerian Journal of Fisheries and Aquaculture***, 6 (1): 7 – 15. Published by the Department of Fisheries, University of Maiduguri.
- (25) **Idowu, A.A.**, Bamidele, N.A, Babalola, O.E and Olajide, O.E (2018): Growth performance and nutrient utilization of *Polygonum tomentosum* as partial substitute for corn meal in the diet of *Clarias gariepinus* fingerlings. ***Dutse Journal of Agriculture and Food Security***, 5(2): 140 – 151. Published by Faculty of Agriculture, Federal University Dutse.

- (26) **Idowu, A. A.** Adeosun, F. I., Nwekoyo, V. E. and Folorunso, O. G. (2018): Effect of runoff from alluvial soil on fish diversity from Oko mayon water body Okun owa, Ogun State. *Nigerian Journal of Animal Production*, 45 (4): 72 – 83. Published by the Nigerian Society for Animal production.
- (27) **Idowu, A. A.**, Abdul, W. O, Alimi, A. A. and Tijani, M. O. (2018): Preliminary studies on red belly Tilapia *Coptodon zillii* caught from Oyan Dam, Ogun State, Nigeria, *Journal of Agricultural Science and Environment*, 18 (1&2): 1-15. Published by Federal University of Agriculture, Abeokuta, Nigeria.
- (28) **Idowu, A. A.** Soetan, M.O, Akinde, A. and Popoola, O. C. (2019): Effect of *Euphorbia hirta* leaf extracts on histopathology of juvenile *Clarias gariepinus*. *Nigerian Journal of Animal. Science*. 21 (1): 96-109. Published by the Animal Science Association of Nigeria.
- (29) **Idowu, A. A.**, Nwekoyo, V. E. and Olanrewaju, O. R. (2019): The Effects Of Okra (*Abelmoschus esculentus*) on Cannibalism, Health and Growth Performance In Catfish (*Clarias gariepinus*). *Applied Tropical Agriculture*, 21 (1): 96-109 Published by School of Agriculture and Agriculture Technology, Federal University of Technology Akure.
- (30) **Idowu, A. A.**, Nwekoyo, V,E and Olatunji, P. O. (2019): Microplastic Pollution in the aquatic ecosystems and its effects on aquatic fauna . *Nigerian Journal of Fisheries*, 16 (2): 1813 -1818. Published by the Fisheries Society of Nigeria.
- (31) **Idowu, A.A.**, Abduraheem, I. Adenuga, O.T., Ipadeola, A. A and Nwekoyo, V. E. (2019): Acute toxicity effect of aqueous leaf extract *Adenia lobata* on Nile Tilapia *Oreochromis niloticus* juveniles. *Journal of Agriculture, Forestry and Fisheries*, 18(1&2): 7-12. Published by Faculty of Agriculture, Forestry and Fisheries, University of Benin.
- (32) **Idowu, A.A.**, Bamidele, N.A. and Adeboyejo, T. A. (2019): Utilization of *Nymphae lotus* as partial replacement for maize in the diet of *Clarias gariepinus* fingerlings,. *Ife Journal of Agriculture*, 31(3):50 – 59. Published by Faculty of Agriculture, Obafemi Awolowo University, Ile-Ife, Nigeria.
- (33) **Idowu, A.A.**, Ayoola, S.O, Nwekoyo, V.E., Adeosun, F. I. and Adesiyani, G.E (2019): Toxicity effect of varying concentrations of *Raphia vinifera* fruit extract on African catfish (*Clarias gariepinus* Burchell, 1822) fingerlings. *Dutse Journal of Agriculture and Food Security*, 6 (1): 140 – 151. Published by Faculty of Agriculture, Federal University Dutse.

- f(34) Adeosun, F. Idowu, **Idowu A. Adedoyin**, Oghenochuku, M. Titilayo Ogheneborhie, Adebowale, A. Quddus, and Adekoya, O. Micheal (2019): Morphometric and meristic features and length-weight relationship as indicators of quality of *Brycinus macrolepidotus* in lower River Ogun, Nigeria. ***Egyptian Journal of Aquatic Biology and Fisheries***, 23 (2): 139-143. Published by Ain Shams University, Cairo, Egypt. Available online ([www.ejabf.journals.ekb.eg](http://www.ejabf.journals.ekb.eg)). Indexed in Scopus.
- f(35) **Idowu, A. A.**, Towolawi, A. T., Akinde, A. O., Nwekoyo. V. E., Olatunde, K. A., Oladepo, T. T. and Opara, C. F. (2021): Piscicidal effects of methalonic castor seed extract on catfish juveniles. ***Makerere University Journal of Agricultural and Environmental Science***, 10 (2): 144 – 162. Published by Makerere University. Available online at (<https://mujaes.mak.ac.ug>)
- f(36) **Adekunle Adedoyin Idowu.**, Azeez Ayodele Alimi, Adeleke Taofik Towolawi, Abiodun Oluwolw Akinde, Kolapo Fasina and Joy Aigbemekhe (2021): In vitro antibacterial potentials of the sensitive plant (*Mimosa pudica*) and bitter lemon (*Momordica charantia*) leaf extracts and synthetic antibiotics against some bacteria isolates of *Clarias gariepinus* ***Egyptian Journal of Agricultural Research***, 99 (1): 20-25 Published by Agricultural Research Center and Land Reclamation (MALR), Egypt.
- (37) **Idowu, A. A** and Oke, I. O. (2021): Sex Relationship among Fishermen and Fish Traders in Lagoon Communities of Ogun State, Nigeria. ***Applied Tropical Agriculture***, 26 (1): 238-246. Published by School of Agriculture and Agriculture Technology, Federal University of Technology Akure.
- f(38) Adeosun, F. I., **Idowu, A. A.**, Ajiboye, E. O. and Oghenochuko, M. T. O. (2019): Relationship between water physico-chemical parameters and growth of *Brycinus macrolepidotus* (Valenciennes, 1850) in Akomoje water reservoir, Ogun State, Nigeria. ***International Journal of Biological and Chemical Science***. 13(3):1231-1244 Published by the Department of Biochemistry, Dchang University, Cameroun.
- f(39) **Adekunle Adedoyin Idowu**, Olamilekan Johnson Egunjobi, Adeleke Taofik Towolawi, Wilfred Olusegun Alegbeleye, Omotola Abiola Jaiyeola and Andrew Osereme Agbon (2020): Phyto-quantitative assessment and influence of *Erythrophleum suaveolens* extracts on *Clarias gariepinus*. ***Journal of Bangladesh Agricultural University***. 18 (2): 529-536. Published by the Bangladesh Agricultural University
- (40) **Idowu, A.A.**, Olujimi, O.O., Edunjobi, G. O., Towolawi, A. T., Akinde, A. O. and Ezeri, G. N. (2021): Impact of Benzyl Butyl Phtalate on Haematology and Metabolic Enzymes of *Clarias gariepinus*. ***Ife Journal of Agriculture***, 33(3): 21 – 31. Published by Faculty of Agriculture, Obafemi Awolowo University, Ile-Ife, Nigeria.

f: Papers in foreign journal

## (II) EDITED CONFERENCE PROCEEDINGS

- (41) Odulate, D. O., Ajagbe, S. O., **Idowu, A. A.** and Adeosun, F.I.(2015): Gillnet selectivity: Case study of *Oreochromis niloticus* in Asejire Lake, Nigeria. **Proceedings of the 30<sup>th</sup> Annual Conference of Fisheries Society of Nigeria (FISON)**, J. A. Meye (Ed.) 460 – 462. Published by the Fisheries Society of Nigeria (FISON)
- (42) Agbebi, O. T. Olowofeso, O. **Idowu, A. A** and Sofela, S. O. (2013): Protein profile expression of *Clarias gariepinus*, *Heterobranchus bidorsalis* and their reciprocal hybrids in South-west Nigeria. Paper presented at the 28<sup>th</sup> Annual of Fisheries Society of Nigeria (FISON) (ABUJA 2013) held in Best Western Plus Ajayi Gudu District, Abuja, 25<sup>th</sup> – 29<sup>th</sup> November, 2013.

## MAJOR CONFERENCES ATTENDED WITH PAPERS READ

- i. 36<sup>th</sup> Annual Conference of Fisheries Society of Nigeria (FISON). Garden city 2021. Port Harcourt. 24<sup>th</sup> October – 29<sup>th</sup> October, 2021.  
**Paper Presented:** Sonification and its use fishes.
- ii. 33<sup>rd</sup> Annual Conference of Fisheries Society of Nigeria (FISON). Itesiwaju EKO 2018. Ikorodu. 29<sup>th</sup> October – 2<sup>nd</sup> November, 2018.  
**Paper Presented:** Microplastics pollution in water bodies and its effects on aquatic fauna.
- iii. 30<sup>th</sup> Annual Conference of Fisheries Society of Nigeria (FISON). DELTA 2015. Asaba. 23<sup>rd</sup> – 27<sup>th</sup> November, 2015.  
**Paper Presented:** Gillnet Selectivity for *Oreochromis niloticus* in Asejire Lake, Nigeria.
- iv. 28<sup>th</sup> Annual Conference of Fisheries Society of Nigeria (FISON). ABUJA 2013. Abuja, 25<sup>th</sup> – 29<sup>th</sup> November, 2013.  
**Paper Presented:** Protein profile expression of *Clarias gariepinus*, *Heterobranchus bidorsalis* and their reciprocal hybrids in South-west Nigeria.
- v. 52nd Annual International Conference of Society of Toxicology. USA 2013. San Antonio, Texas. 10<sup>th</sup> – 14<sup>th</sup> March, 2013.  
**Paper presented:** Cytotoxicity effect and Utilization of *Mytilus edulis* shell in the diet of *Clarias gariepinus*.