



## **CURRICULUM VITAE**

- I
- (a) Name (underline Surname) Bernadette Tosan Fregene
  - (b) Date of Birth 18 December, 1959
  - (c) Department: Aquaculture and Fisheries Management
  - (d) Faculty Faculty of Agriculture and Forestry
- II
- (a) First Academic Appointment Assistant Lecturer (01 September, 1997)
  - (b) Present post (with date) Reader (01 October, 2009)
- III University Education (with dates)**
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|----------------------|-------------|
| University of Ibadan | (1979-1983) |
| University of Ibadan | (1995-1996) |
| University of Ilorin | (1997-1998) |
| University of Ibadan | (1999-2002) |
- IV. **Academic Qualification (with dates and granting bodies)**
- |                             |                                       |
|-----------------------------|---------------------------------------|
| B. Sc. Fisheries Management | (1983, University of Ibadan, Nigeria) |
| M. Sc. Fisheries Management | (1996, University of Ibadan, Nigeria) |
| Ph. D. Fisheries Management | (2002, University of Ibadan, Nigeria) |
- V. **Professional Qualifications and Diplomas (with date)**
- (a) M. B. A. Business Administration (1998, University of Ilorin, Nigeria)
  - (b) Post-graduate Diploma in Statistics (2007, University of Agriculture, Abeokuta, Nigeria)
  - (c) Post-graduate Diploma in Education (2009, University of Ibadan, Ibadan, Nigeria)
  - (d) Certificate in Aquaculture Field Training (Hatchery and Pond Management) Department of Fisheries and Allied Aquaculture, Auburn University, Auburn, Alabama State, USA (24 June to 22 July, 2011)
  - (e) International Postgraduate Certificate Course in Aquaculture: Production and Management at the Robert H. Smith Faculty of Agriculture, Food and Environment,

- Division of External Studies, Rehovot Campus, Hebrew University of Jerusalem, Israel:(5 March to 29 March, 2012)
- (f) Certificate Course in Fish/Seafood Marketing and Market Modelling: Economic Theories and Estimation Techniques, University of Arkansas, Pine Bluff, USA, 16-27 June, 2014

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

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|-----|--|-----------|
| (a) | Bendel State Bursary Award   | 1981-1983 |
| (b) | Zard Scholarship for Post-Graduate student   | 1996-1997 |
| (c) | Visiting Research Scholar, International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria | 2000-2002 |

**VII Honours, Distinction and Memberships of Learned Societies**

- (a) Member, Fisheries Society of Nigeria (FISON)
- (b) Life Member, Agricultural Extension Society of Nigeria (AESON)
- (c) Member, Pan African Fish and Fisheries Association (PAFFA)
- (d) Member, Sub-Saharan African Network of the International Biometric Society (SUSAN-IBS)
- (e) Member, World Aquaculture Society (WAS)
- (f) Member, American Fisheries Society (AFS)
- (g) Member, International Association of Aquaculture Economics and Management, (IAAEM)
- (h) Member, Catfish Farmers Association of Nigeria (CAFAN)

**VIII Details of Teaching/Work Experience**

Assistant Lecturer, Department of Wildlife and Fisheries Management, University of Ibadan (8 September, 1997 - 30 September, 2000)

Lecturer II, Department of Wildlife and Fisheries Management, University of Ibadan (1 October, 2000 - 30 September, 2003)

Lecturer I, Department of Wildlife and Fisheries Management, University of Ibadan (1 October, 2003 - 30 September, 2006)

Senior Lecturer, Department of Wildlife and Fisheries Management, University of Ibadan (1 October, 2006 - 30 September, 2009)

Reader, Department of Wildlife and Fisheries Management, University of Ibadan (1 October 2009 to December 2011)

Reader, Department of Aquaculture and Fisheries Management, University of Ibadan (January 2012 to date)

## Courses taught

i) Undergraduate Courses	<u>Units</u>	<u>Singly/Jointly</u>
AFM 314: Fisheries Extension and Aquaculture	2	J
AFM 326: Fisheries Business Management and Marketing	2	J
AFM 413: Fisheries Business, Product Development and Marketing	3	J
AFM 500: Seminar	2	J
AFM 514: Fisheries Economics	2	J
AFM 515: Farm Management and Fisheries Business Management	2	J
AFM 521: Fish Production and Management	2	J
AFM 524: Fisheries Policy and Legislation	2	J
AFM 525: Administrations, Programme Planning in Extension	2	J
AFM 526: Special Project	4	S

(ii) Postgraduate Courses	<u>Units</u>	<u>Singly/Jointly</u>
M. Sc. Fisheries Management:		
AFM 700: Special Topics in Aquaculture and Fisheries Management	2	J
AFM 717: Fisheries Economics and Marketing	2	J
AFM 719: Fisheries Extension	2	J
AFM 727: Fisheries Planning and Management	3	J
AFM 720: Project in Aquaculture and Fisheries Management	6	S

**J=Jointly**

**S=Singly**

(iii) Students' Projects Supervision	Completed	In Progress
B. Sc.	25	3
BDM	1	-
M. Sc.	27	1
M. Phil	2	-
Ph. D.	2	4

## Participation in University Administration

- Member of the Practical Year Coordinators for the Fisheries Program (2003-date).
- Member of the Departmental Postgraduate Committee (2005 till date)
- Undergraduate Coordinator, 2011 - 2012 academic session

## IX Research

### (a) Completed

- (i) Community-led Climate Adaptation Programme for Sustainable Livelihoods in Coastal Areas of South Western Nigeria
- (ii) Frozen Fish Value Chain Analysis in Nigeria.
- (iii) Survey of Artisanal Fisheries Resources and Technologies Adopted in Taraba State.

### (b) In Progress

- (i) Aquaculture Value Chain Analysis in South West Nigeria- The study was focused on comparative assessment of actors along the value chain and consumers preference of cultured fish. Presently work has been completed for the study in Ogun State, while that of Lagos, Oyo and Ondo are on-going.
- (ii) Technologies Adopted for Fingerling Production in South West States of Nigeria- More than 80 percent of the total pond and hatchery seed produced come from the southern part of the country, where most of the medium- and large- scale producers are located. Fingerlings of *Clarias species and Heterobranchus species* (80%) and tilapias (14%) are mainly produced by producers are private (80%). Majority of the functioning hatcheries use artificial spawning method in which ovaprim or pituitary extract is used.

### (c) Dissertation and Thesis

- i. Fregene, B. T. (2002) Poverty Assessment in Fishing Communities in Lagos State, Nigeria, Ph. D Thesis, University Ibadan, Ibadan, Nigeria, 227p

### List of Publications:

(a) Books Already Published: **Nil**

(b) Chapters in Books already published

- 1) **Fregene, B. T.**, Inyang, I. and Awolumate, S. (2011): Operational Attributes of Urban Aquaculture Systems in Ibadan Municipal, Oyo State, Nigeria. In: Remi Adeyemo (ed.), *Urban Agriculture, Cities and Climate Change*, 173-178. ISBN: 978-3-86955-813-4, Cuvillar Verlag Gottingen
- 2) **Fregene, B. T.** (2014): Economic and Resources Management under Integration of Fish, Pig and Rice Production, In: Omitoyin, B. O.; Ajani, E. K. and Akinwale, A. O. (eds.), *Integrated Fish Farming: Fish, Rice and Pig*, 18-40, ISBN: 978-2170-34-0

(c) Articles in Refereed Conference Proceedings

- 3) **Fregene, B.T.**, Nokoe, K.S. and Falaye, A.E. (2003) Canonical Analysis of the Role of Fishing Inputs on Poverty Alleviation Among Marine Fisher Folks in Lagos State, Nigeria. In: Njuho, P.M. and Mwambi, H.G. (eds.), *Proceedings of the Eighth Scientific Conference of the Sub-Saharan Africa Network (SUSAN) of the International Biometric Society (IBS), Biometry in Poverty Alleviation*, Programmes held at the University of KwaZulu-Natal Pietermaritzburg Campus, South Africa, 7-11 July 2003, 172-180.
  - 4) **Fregene, B. T.** and Nwogu, C. (2010): Adoption of Fishing and Aquaculture Technologies in Lagos State. In: Madukwe, M. C., Igbokwe, E. M.; Garforth, C. J. and Dube, M. A. (eds.), *Proceedings of the 15<sup>th</sup> Annual National Conference of the Agricultural Extension Society of Nigeria (AESON)*, Obafemi Awolowo University, Ile-Ife, Nigeria, 10-14 May, 2010, 119-130.
  - 5) **Fregene, B. T.** (2010): Product Processing, Storage and Utilization of Grass Cutter. In: Bolorunduro, P. I.; Iyiola-Tunji, A. O.; Adeokun, I. K. and Adesina, M. A. (eds.) *Proceedings of NAERLS National Training Workshop on Grass Cutter Production*, Forestry Research Institute of Nigeria (FRIN), Ibadan, Nigeria, 9-13 August, 2010, 80-86.
  - 6) **Fregene, B. T.** (2010): Adaptation Strategy by Fisher Folks to Climate Change in Ogun State, Nigeria Coastal Fishing Communities: Implications for Sustainable Artisanal Fisheries Livelihood. In: Ansa, E. J.; Fashina-Bombata, H. A. and Ndimele, P. E. (eds.), *Proceedings of the 25th Annual Conference and Fair of the Fisheries Society of Nigeria (FISON)*, Administrative Staff College of Nigeria (ASCON), Topo, Badagry, Lagos, Nigeria, 25-29 October, 327-330.
  - 7) **Fregene, B. T.** and Akiande, T. (2012): Fish Farmers' Perception of the Influence of Second National Fadama Development Project (Fadama II) on their Livelihood in Oyo State, In: Kuponiyi, A.; Adeokun, O. A.; Adeola, R. G.; Farinde, A. J. and Akinbile, L. A. (eds.), *Proceedings of the 21<sup>st</sup> Annual Congress of the Nigerian Rural Sociological Association (NRSA)* held at The University of Ibadan, Ibadan, Nigeria; 7 – 11 October, 2012, 1-11.
  - 8) **Fregene, B. T.** and Ogunnika, O. F. (2013): Perception of Fish Farmers to Climate Change and Adoption Strategies in Oyo State, Nigeria. In: Ndimele, P. E. (ed.), *Proceedings of the 28th Annual Conference of the Fisheries Society of Nigeria (FISON)*, NICON Luxury Hotel, 903, Tafawa Balewa Way Area 11, Garki II, Abuja, Nigeria, 25-29 November ,2013, 408-411.
- (d) Patent: Nil
- (e) Articles in Learned Journal:
- 9) Bolorunduro, P. I. and **Fregene, B. T.** (2000): Fisheries Technology Transfer in Nigeria: Institutional Structures, Problems and Determinants of Appropriate Technologies. *The Nigerian Journal of Agricultural Extension*, Vol. 12 No. 2: 69-83.
  - 10) **Fregene, B. T.**, Bolorunduro, P. I. and Ekpiwhre, E. (2001): Adoption of Aquaculture Technologies of Delta State in Nigeria. *The Nigerian Journal of Agricultural Extension*, Vol. 13, No. 2: 88-98.

- 11) **Fregene, B. T.** (2003): Fisheries Laws and the Marine Environment: Implications for Poverty Reduction in Marine Fishing Communities of Lagos State, Nigeria, *Journal of Tropical Forest Resources*, Vol. 19. No. 1: 183-191.
- 12) **Fregene, B. T.** (2005): Socio-economic Analysis and Fishing Activities of Lagoon and Marine Fishermen in Lagos State. *African Journal of Livestock Extension*, Vol. 4: 67-71.
- 13) **Fregene, B. T.** (2005): Economic Status of Fisher Folks on Lagos Lagoon Nigeria. *Nigerian Journal of Forestry*, Vol. 35, No.1: 44-50.
- 4) Falaye A. E. and **Fregene, B. T.** (2005): Growth Performance of the African River Prawn (*Macrobrachium vollenhovenii*) on Some Artificial Diets Nigeria. *Journal of Tropical Forest Resources*, Vol. 21, No, 1: 20-26.
- 15) **Fregene B. T.** (2006): Role of Women in Badagry and Bariga Fishing Communities of Lagos State, Nigeria. *Tropical Journal of Animal Science*, Vol. 9, No. 1: 69-74
- 16) **Fregene B. T.** and Bamiduro, T. A. (2006): Analysis of Artisanal Fish Production in Nigeria. *Journal of Tropical Forest Resources*, Vol. 22, No. 1: 38-47
- 17) **Fregene, B. T.** (2007): Poverty Perception and the Role of Fishing Inputs among Marine Fisher Folks of Lagos State in Nigeria. *Journal of Afrotropical Zoology*, Special Edition, 81-86
- 18) **Fregene B. T.** and Falaye, A. E. (2007): Sustainability of Marine Artisanal Fishing as a Livelihood and the Environment in Lagos State. *Journal of Environmental Extension*, Vol. 6: 39-45
- 19) Amaza P. S., Adejobi, A. O. and **Fregene, B. T.** (2008): Measurement and Determinants of Food Insecurity in North-East Nigeria: Some Empirical Policy Guidelines. *Journal of Food, Agriculture and Environment*, Vol.6, No.2: 132-136.
- 20) Abohweyere, P. O., Falaye, E. A. and **Fregene, B. T.** (2008): Mortalities Estimate and Exploitation Rate of *Macrobrachium vollenhovenii* in the Lagos - Lekki Lagoon System, Nigeria, Using Length Frequency Data. *The Zoologist*, Vol. 6: 61-68
- 21) **Fregene B. T.** and Digun-Aweto, T. (2008): Use of Aquaculture Technologies in Osun State, Nigeria. *African Journal of Livestock Extension*, Vol. 6: 36-41.
- 22) **Fregene, B. T.** and Adesola, A. A. (2008): Analysis of Artisanal Fishermen's Attitude to Fish Farming in Ogun and Oyo States. *Journal of Tropical Forest Resources*, Vol. 24, No. 1: 12-21
- 23) Omitoyin S. A. and **Fregene, B. T.** (2009): Effect of Micro-Credit on Sustainable Livelihood of Artisanal Fisherfolks in Lagos Lagoon, State, Nigeria. *African Journal of Livestock Extension*, Vol. 6: 70-76
- 24) **Fregene B. T.** and Muideen, M. (2009): Factors Influencing Consumption and Consumer Preference for Frozen and Smoked in Ibadan Metropolis, Oyo State, Nigeria. *Nigerian Journal of Forestry*, Vol. 39, No. 1: 22-27

- 25) Okoruwa, V., **Fregene, B. T.** and Awolumate, S. (2009): Performance Differentials among Urban Aquaculture Systems in Ibadan Metropolis of Oyo State Nigeria: Partial Budgeting Analytical Approach. *Applied Tropical Agriculture*, Vol. 14 No. 2: 77-81
- 26) **Fregene B. T.** and Bolorunduro, P. I. (2009): Role of Women in Food Security and Seasonal Variation of Expenditure Pattern in Coastal Fishing Communities in Lagos State, *Journal of Agricultural Extension Society of Nigeria*, Vol. 13 No. 2: 21-33
- 27) **Fregene, B. T.** and Kolawole, O. A. (2009): Fish Smoking in Ibeju Lekki in Lagos State. *Tropical Journal of Animal Science*, Vol. 11: 32-39.
- 28) Bolorunduro, P. I. and **Fregene, B. T.** (2011): Determinants of Adoption of Improved Fish Smoking Kilns by Processors in North Western Nigeria, *The Nigerian Journal of Agricultural Extension*, Vol. 16. No.1: 48-53
- 29) Suleiman, A and **Fregene, B. T.** (2011) Analysis of Costs and Returns of Artisanal Fish Marketing in Kebbi State, Nigeria, *Journal of Rural Economics and Development*, Vol. 20, No. 1, 21-29.
- 30) **Fregene, B. T.** and Ayansanwo, T. (2011) Yield and Revenue of Cultured *Clarias gariepinus* in Different Enclosure Systems Adopted in Ogun State, South West Nigeria, *Tropical Animal Production Investigations*, Vol.14, No. 1: 12-17.
- 31) **Fregene, B. T.** and Ojo, E. O. (2012): Effect of Credit Facility on Aquaculture Technology Adoption by Fish Farmers in Oyo State, *Nigerian Journal of Agricultural Extension and Development*, Vol. 6: 62-68.
- 32) **Fregene, B. T.** and Olanusi, A. S. (2012) Consumer Preference and Consumption Pattern of Marine Fish Species in Ibadan Metropolis, Oyo State, Nigeria, *Journal of Agricultural Science and Technology*, B 2: 835- 840.
- 33) Omitoyin, S. A. and **Fregene, B. T.** (2012) Potential Impacts of Climate Change on Livelihood and Food Security of Artisanal Fisher Folks in Lagos State, Nigerian. *Journal of Agricultural Science*, Vol. 4, No. 9: 20-30
- 34) **Fregene, B. T.** and Adewale T.A (2012) Adoption of Integrated Fish Farming in Ogun State, South-West of Nigeria, *The Nigerian Journal of Agricultural Extension*, Vol. 17, No. 1:, 21-27
- 35) **Fregene, B. T.** and Amure T. O. (2013) Role of Catfish Farmers Association of Nigeria (CAFAN) in Adoption of Aquaculture Technologies in Lagos State, *Tropical Animal Production Investigations*, Vol. 16, No. 1: 13-17
- 36) Jenyo-Oni, A., Ajani, E. K., Omitoyin, B.O., Akinwale A.O., **Fregene, B. T.**, Adeshinwa A. O. K., Kareem, O. K., Osho. E. F. and Olojo, B.O (2014): Biological Factors and Performance Indicators under Integration of Fish, Poultry and Rice Production, *Journal of Tropical Forest Resources*, Vol: 30, 84-93

- 37) Talabi, F. M. and **Fregene, B. T.** (2014): Livelihood Diversification among Artisanal Fisher-Folks in Communities around Oyan Dam, Ogun State, Nigeria, *Journal of Tropical Forest Resources*, Vol. 30: 46-58, (**Nigeria; Contribution 40%**)
- 38) **Fregene, B. T.** and Adelekan, I. O. (2014) Marine Fisher Folks' Perception of Climate Change and Indigenous Knowledge for Sustainable Livelihood in Coastal Fishing Communities in Ogun State, Nigeria, *Ibadan Journal of Agricultural Research*, Vol. 10: 66-77, (**Nigeria; Contribution 60%**)
- 39) Adelekan I. O. and **Fregene, B. T.** (2014): Vulnerability of artisanal fishing communities to flood risks in coastal southwest Nigeria, *Climate and Development*, 17p, Vol. 7, No. 4: 322–338, Accepted 11 June 2014, (**United Kingdom; Contribution 40%**)
- (f) Books, Chapters in Books and Articles already accepted for Publications:
- 40) **Fregene, B. T.** (2014) Assessment of Fishing Technology Adoption by Artisanal Fishermen and Perceived Effectiveness of Extension Services in Taraba State, Nigeria, *The Nigerian Journal of Agricultural Extension*, No. 19, No. 1: 1-12 Accepted 02 June 2014,
- (g) Technical Papers and Monographs
- 41) Ayodele, I. A. and **Fregene, B. T.** (2003) *Essentials of Investments in Fish Farming*; Hope Publications Limited, Ibadan; 38 pages, Monograph (**Nigeria; Contribution 60%**)
- 42) **Fregene, B. T.** (2007) *Profile of Fishermen Migration in Nigeria and Implications for a Sustainable Livelihood*; African Migration Workshop, Understand Migration Dynamics in the Continent, International, International Migration Institute, James Martin 21<sup>st</sup> Century School, University of Oxford, United Kingdom in collaboration with Centre for Migration Studies, University of Ghana, Legon Ghana in Accra, Ghana – 18-21 September 2007, 20 pages, <http://www.imi.ox.ac.uk/pdfs/research-projects-pdfs/african-migrations-workshops-pdfs/ghana-workshop-2007/Fregene%20Ghana%2007>,
- 43) **Fregene, B. T.** and Osho, E. F. (2013): Value Addition Options under Integrated Fish cum Poultry and Rice Production, In Omitoyin, B. O., Ajani, E. K. and Nwanna, L. C. (eds.), *Sustainable Integrated Pond Based Aquaculture with Rice and Poultry Production: Economic, Social and Environmental Assessment*, WaleCrown Ventures Publishers, Ibadan, 44-56. ISBN: 978-978-31064-6-1, Monograph