

Curriculum Vitae
Ejiroghene D. Mayor, Ph.D.
Tel: 443-365-9672 (cell)
E-mail: edmayor75@gmail.com

WORK EXPERIENCE

- Dec 2016 - present** **Postdoctoral Research Associate**, Center for the Integrated Studies of Ecosystem Dynamics and Processes in the Mid-Atlantic, UMES NSF- CREST Program, University of Maryland Eastern Shore, Princess Anne, MD 21853
- Apr – Nov 2016** **Associate Research Scientist**, Center for the Integrated Studies of Ecosystem and processes in the Mid-Atlantic, UMES NSF-CREST program University of Maryland Eastern Shore, Princess Anne, MD 21853
- Apr 2010 – Dec 2015** **Graduate Teaching/Research Assistant**, University of Maryland Eastern Shore, Princess Anne, MD 21853
- Sept 2003** **Lecturer/Research Scientist**, Delta state Polytechnic, Ozoro Nigeria
- Sept 2000** **Lecturer**, Delta state College of Education, Ozoro, Nigeria

EDUCATION

- Dec. 2015** Ph.D. Marine-Estuarine Environmental Sciences (Specialization: Fisheries Science), University of Maryland Eastern Shore, Princess Anne, MD
- Sep. 2008** Master of Science, Fisheries/Hydrobiology, University of Benin, Nigeria
- Nov. 1998** Bachelor of Science (Honors), Zoology, Delta State University, Nigeria,

RESEARCH INTERESTS

- Biology, Ecology and Life history of fish and macroinvertebrates
- Feeding habits and trophic interactions between macroinvertebrates and fishes in Coastal and Estuarine communities
- Population dynamics and influence of environmental factors on ecological systems

RESEARCH EXPERIENCE

- Doctoral Research:** Department of Agriculture and Natural Sciences, University of Maryland Eastern Shore
- Distribution, abundance and life history of Mysid shrimps in the Maryland Coastal Bays, Western Atlantic
 - Analysis of the influence of environmental parameters on the spatial and temporal distribution of macrobenthic species
 - Analysis of the role of macrobenthos (*Mysidacea*) in the trophic ecology of fishes of the Bays
 - Prey-predator relationship/interactions on a spatiotemporal scale
 - Estimation of predator consumption demand on prey species

M.S Research: Department of Animal and Environmental Science, University of Benin, Nigeria

- Fish feed formulation of a commercially important aquaculture fish (*Clarias gariepinus*) using local feedstuff
- Analysis of the effects of increasing oil levels (5 tested levels) on the growth of *Clarias gariepinus*
- Use of proximate analysis to estimate nutritional value of feed and experimental fish

Undergraduate Honors Research: Department of Zoology, Delta State University, Nigeria

- Field investigation of the Biology of the catfish species, *Synodontis eupterus* and *Synodontis schall*
- Microscopic analysis of the stomach content of fish species used in describing their feeding habits
- Used growth measurements and fecundity to describe aspects of species life histories and reproductive cycles

COMPUTATIONAL SKILLS

- Microsoft Office suite - Word, Excel, PowerPoint
- Biological science data analysis - *Statistix*, *SPSS*
- Advanced multivariate statistics - *Primer 6*, *Canoco 5*, *R stat.*
- GIS Spatial Analysis - *Arc map 10.1*

TEACHING EXPERIENCE

2010 – Present

Graduate Research Assistant - Research Experience Programs: UMES NSF-CREST: REU and CISCEP program:

- Teaching and hands-on laboratory training, emphasis on zooplankton identification and laboratory analysis
- Fish species identification, laboratory and empirical analysis of fish stomach contents
- Mentoring K-12, undergraduate and high school teachers on short term projects (4-10 weeks) that are presented as public seminars

2010

Visiting Lecturer: University of Maryland Eastern Shore

- Introductory cell biology

2010 – 2011

Graduate Teaching Assistant: University of Maryland Eastern Shore

- Principles of Biology I – Cell Biology Laboratory

2003 - 2010

Lecturer/Research Coordinator: Delta State Polytechnic, Ozoro, Nigeria

- Taught undergraduate courses in Invertebrate Biology, Freshwater and Marine Biology, Aquaculture, Genetics, Animal Ecology, Basic Biology and Fisheries science
- Supervised Research Projects for Undergraduate students in Fisheries Science, aquaculture and ecological studies
- Coordinated departmental school-wide research for the department of Fisheries Science and Technology
- Pioneer Patron for the Association of Fisheries Science Students, DSPZ chapter, Ozoro Delta state, Nigeria
- Provided academic advising to undergraduate students

2000 – 2003 Lecturer: Delta State College of Agriculture, Ozoro, Nigeria

- Lectured undergraduate courses in Biology, Fisheries science and Entomology
- Assisted in the development of course outline and curricula for the department of Fisheries science
- Taught and supervised laboratory classes
- Designed and supervised undergraduate students' research projects

1999 – 2000 Fisheries Administrator: Katsina State Agricultural Development Authority, Katsina, Nigeria

- Trained rural fish farmers on the aquaculture of commercial fish species and carried out administrative functions in the Fisheries department.

PUBLICATIONS

1. **Mayor E***, Chigbu P, Pierson J and Kennedy, V (2016). Composition, Abundance and Life history of mysids (Crustacea: Mysida) in the Coastal lagoons of Maryland, USA. *Journal of Estuaries and Coasts* 40(1), 224-234. DOI 10.1007/s12237-016-0131-z
2. **Mayor E*** and Chigbu P. (2016). Distribution of mysid species in relation to environmental factors in a Mid-Atlantic Estuary, USA (*completed for submission, Journal of Estuarine. Coastal & Shelf Science.*)
3. **Mayor E. D*** and Omoruwou P. E. (2010). Effect of increasing lipid levels in the diet of the catfish hybrid *Clariidae*, *Frontiers* Vol 1(2): 41-48.
4. **Mayor E***, Meye J, Nwanbueze E, and Omoruwou P. (2009). Comparative study on the growth performance of the Hybrid catfish *Heteroclarias* reared in concrete and earthen ponds. *The Zoologist* Vol 7: 52-56.
5. Meye J, Omoruwou P, and **Mayor E***. (2008). Food and feeding habits of *Synodontis ocellifer* from River Adofi, Southern Nigeria. *Journal of Tropical Freshwater Biology*, Vol. 17 (1), pp 1-12.
6. Ikomi R, and **Kogoroh E*** (2001). Studies on some aspects of the Biology of the catfish *Synodontis schall* in the Benin River, Nigeria. *Journal of Biosciences Research communications* Vol. 14 (6), pp. 567-578.

CONFERENCE PRESENTATIONS

1. **Ejiroghene Mayor** and Paulinus Chigbu (2017). The role of mysids in the trophic ecology of juvenile fishes, and the impact of fish predation on mysid abundance in the coastal lagoons of Maryland (ID # 29603). Oral presentation, Aquatic Sciences Meeting, Association for the Sciences of Limnology and Oceanography (ASLO 2017) Honolulu Hawaii, February 26 – March 3 2017.
2. Alexis Smith, **Ejiroghene Mayor** and Paulinus Chigbu (2016). Relationship between mysid abundance and fish predators in Maryland Coastal Bays. Poster Presentation – NOAA - Educational Partnership Program - Eighth Biennial Education and Science Forum, The City College of New York, New York, 28 - 31 August, 2016.
3. **Ejiroghene Mayor** (2016). Population dynamics of Mysids in Maryland Coastal Bays. Oral presentation. Maryland Coastal Bays Program Science and Technical Advisory Committee (MCBP-STAC). Horn Point Environmental Laboratory, Cambridge Maryland. June 14 2016.
4. **Ejiroghene Mayor** and Paulinus Chigbu (2016). Distribution of Mysid species in relation to environmental factors in Maryland Coastal Bays. Poster Presentation - Association for the Sciences of Limnology and Oceanography (ASLO – Aquatic Sciences Meeting) New Orleans, Louisiana, 21-26 February 2016.
5. **Ejiroghene Mayor** and Paulinus Chigbu (2014). Life history and ecology of mysids in the Coastal Bays of Maryland. Oral Presentation – NOAA - Educational Partnership Program -Seventh Biennial Education and Science Forum, UMES Princess Anne Maryland 26-29 October, 2014.

6. **Ejiroghene Mayor** and Paulinus Chigbu (2014). Macrobenthic Invertebrate Abundance and Distribution in the Maryland Coastal Bays. Oral Presentation - Atlantic Estuarine Research Society (Spring Meeting), Ocean City MD, March 2014.
7. **Ejiroghene Mayor**, Victor Kennedy, James Pierson, Paulinus Chigbu (2014). Population Biology of Mysids in the Maryland Coastal Bays. Poster Presentation - University of Maryland Eastern Shore, School of Graduate studies - 5th Annual Regional Research Symposium, University of Maryland Eastern Shore, Princess Anne MD, April 2014.
8. Hector Malagon, **Ejiroghene Mayor** and Paulinus Chigbu (2014). Using GIS to map the spatial distribution and abundance of summer flounder and its major prey organisms in the Maryland Coastal Bays. Poster Presentation - Sixth International symposium of GIS in Fishery and Aquatic sciences, Tampa Florida 25-29 August 2014.
9. **Ejiroghene Mayor**, Victor Kennedy, James Pierson and Paulinus Chigbu. (2013). Population biology of mysids in the Maryland coastal bays. Oral Presentation - Association for the Sciences of Limnology and Oceanography (ASLO - Aquatic Sciences Meeting) New Orleans, Louisiana, 17 – 22 Feb. 2013.
10. **Mayor E**, Kennedy V, Pierson J, Chigbu, P. (2012). Population Ecology of *Neomysis americana* in the Maryland Coastal Bays. Poster presentation - Third Annual Regional Research Symposium, University of Maryland Eastern Shore Princess Anne Maryland, April 19, 2012.
11. **Mayor E**, Jackson K, and Chigbu P. (2010). Population dynamics of *Neomysis americana* and its role in the trophic ecology of fishes in the Maryland coastal bays. Poster presentation - MEES graduate research colloquium. University of Maryland Eastern shore Princess Anne Maryland, Sept.24th-25th 2010.
12. **Mayor, E**, Meye J, Nwanbueze, E, and Omoruwou P. (2009). Comparative study on the growth performance of the Hybrid catfish *Heteroclaris* reared in concrete and earthen ponds. Oral Presentation - Zoological society of Nigeria, 5th annual conference, Delta state University, Abraka, Nigeria. Nov. 11th – 14th 2008.
13. **Mayor, E** and Meye J. (2008). Growth and productivity of *clarias gariepinus* fed six practical diets for intensive aquaculture. Oral Presentation - Proceedings of the first annual conference of the school of Agriculture, Delta state polytechnic, Ozoro, Nigeria. Dec. 2008.

AWARDS and HONORS

- Early Career Travel Award, Association for the Sciences of Limnology and Oceanography, Honolulu Hawaii, 26 February - 3 March 2017
- Young Scholars Conference Travel award - Hosted by the National Center for Faculty Development & Diversity (NCFDD), and the Earth Science Women's Network (ESWN). Brown University Rhode Island, May 2016
- Ocean Sciences Meeting Travel award – New Orleans Louisiana, USA, 21–26 February 2016
- National Science Foundation - Centre for Research Excellence in Science and Technology (NSF-CREST). Graduate (Ph.D.) Scholarship, 2011 – 2015
- Third Place, Graduate Student Oral Presentation Competition – NOAA- Educational Partnership Program - Seventh Biennial Education and Science Forum, University of Maryland Eastern Shore, Princess Anne Maryland October, 2014
- Overseas Scholarship Award, Delta State Oil Producing Areas Development Commission (DESOPADEC), 2010 – 2012
- Best graduating student, Department of Zoology, Delta State University, Abraka Delta State Nigeria - Class of November 1998

AFFILIATIONS

- Association for the Sciences of Limnology and Oceanography (ASLO)
- American Fisheries Society (AFS)
- National Center for Faculty Development & Diversity (NCFDD)