**CURRICULUM VITAE**

* 1. **Name in Full:** AYEKU Patrick Oluwagbemiga
  2. **Place and Date of Birth:** Okitipupa and 12th October 1981
  3. **Nationality:** Nigerian
  4. **Marital Status:**  Married
  5. **Number and Ages of Children:** Three Children; 8, 6 and 5 years respectively
  6. **Permanent Home Address:** 8, Aritimehin St, Igbodigo, Okitipupa, Ondo State, Nigeria.
  7. **Present Postal Address:** Department of Biological Science,

University of Medical Sciences,

Laje road, Ondo city, Ondo State, Nigeria.

Email: [patrickayeku@gmail.com/payeku@unimed.edu.ng](mailto:patrickayeku@gmail.com/payeku@unimed.edu.ng)

Phone Number: +2348039066256.

* 1. **Present Employment, Status and Salary (*both in level and amount*)**

**Date -** September, 2019 – Till Date

**Employer -** Federal University Gusau, Zamfara State, Nigeria

**Status** – Lecturer I

**Salary -** 181,548.43

* 1. **Educational Institutions Attended (with dates):**
     1. **Primary School**

1. St Dominic R.C.M School, Ayeka/Igbodigo Okitipupa, Ondo State.1987-1993
   * 1. **Secondary School**
2. Ofedepe Comprehensive High School, Okitipupa. 1993-1999
   * 1. **Tertiary Institution**
3. University of Ilorin, Kwara State, Nigeria. 2002-2006
4. Ahmadu Bello University, Zaria 2009-2011
5. Obafemi Awolowo University, Ile-Ife 2013-2019
   1. **Qualifications (with dates):**
      1. **Academic:**
6. Primary School Leaving Certificate; 1993
7. West African Senior School Certificate; 1999
8. B.Sc. (Zoology); 2006
9. M. Sc. (Biology); 2011
10. Ph.D (Zoology); 2019

* + 1. **Others:**

1. Data Processing and Oracle database Management. 2008
   1. **Membership of Professional Bodies**
      1. Member, Forum of Nigerian Toxicologists (FONTOX) 2022
      2. Member, Zoological Society of Nigeria (ZSN) 2022
      3. Member, Society for Environmental Toxicology and Pollution Mitigation (SETPOM) 2022
   2. **Review of Academic and Professional Journals**
2. Reviewer for International Journal of Aquatic Science (ISSN: 2008-8019)
3. Reviewer for International Journal of Fisheries and Aquaculture (Academic Journal)
4. Reviewer for The Journal of Coastal Research
   1. **Work Experience (with date):**
      1. **University**
5. Wesley University Ondo (Lecturer II) Oct., 2017-Sept., 2019
6. Wesley University Ondo (Assistant Lecturer) Mar., 2013-Sept., 2017

**(b) University**

1. Federal University Gusau, (Lecturer I) Sept., 2019 – Sept.,2022
2. **Research in Progress**
   * 1. **On-going research**
3. Evaluation of Persistent Organic Pollutants (POPs) on Marine Benthos of Ondo State Coastal Marine.
4. Assessment of growth performance and biochemical indices of *Clarias gariepinus* fed with diets containing varing concentrations of Aloe vera (*Aloe barbadensis*) and Garlic (*Allium sativum*) plats leaf extract (TETFUND IBR Sponsorship).
5. Evaluations of Histopatological, heamatological and immunological indices of *Clarias gariepinus* fed with diets containing varing concentrations of Aloe vera (*Aloe barbadensis*) and Garlic (*Allium sativum*) plats leaf extract (TETFUND IBR Sponsorship).

* + 1. **Manuscripts Submitted for Publication**

1. Heavy Metals Pollution in Sediments of the Coastal Waters of Ondo State, Nigeria. *Environmental Monitoring and Assessment* (EMAS-D-21-02378)
2. **Research Grants and other Grants**
3. Sao-Tome and Principe/Total Plc Scholarship Award 2010.
4. TETFUND IBR Sponsorship. 2021.
5. **Publications**
   * 1. **Thesis/Dissertations**

* Assessment of Water Physicochemical Parameters, Sediment Characteristic and Benthic Macroinvertebrates of Bight of Benin Nigeria. (Ph.D Thesis 2019)
* Sediment Toxicity and Water Physicochemical Parameters of Kubbani Lake and ABU Dam, Zaria, Kaduna State Nigeria. (M.Sc Dessertation 2011)
* Helminths Parasites of *Synodontic Spp.* in Jebba Dam, Kwara State, Nigeria.

(B.Sc Project 2006)

**Contribution(s) to Books**

1. **Ayeku P.O.** (2022): Climate Change and Anthropogenic Impacts on the Ecosystem of the Transgressive Mud Coastal Region of Bight of Benin, Nigeria. Chapter in Book: ‘Vegetation Dynamics, Changing Ecosystems and Human Responsibility’. Editor: Dr. Levente Hufnagel. Publisher: Intech Open, DOI: <http://dx.doi.org/10.5772/intechopen.105760>.
   * 1. **Journal Articles**
2. Ajibare, A.O., Ogungbile, P.O and **Ayeku P.O**. (2022): Evaluation of Water Pollution Monitoring for Heavy Metal Contamination: A case study of Agodi Reservoir, Oyo State, Nigeria. *Environmental Monitoring and Assessment* 194:675. DOI: <https://doi.org/10.1007/s10661-022-10326-y>
3. Ogungbile, P.O., Ajibare, A.O. and **Ayeku P.O**. (2022): Ecological Risks and Bio-Tolerance of *Oreochromis niloticus* to selected Heavy Metals in a Tropical Reservoir. *African Journal of Ecology* DOI: <https://dx.doi.org/10.1111/aje.13054>
4. Ajibare A.O., Ogungbile P.O., **Ayeku P.O.** and Akande J.A. (2021): Human Health Risks Assessment of Some Heavy Metals in *Oreochromis niloticus* from a Tropical Reservoir. *Aquatic Food Studies* 1(2), AFS35 <https://doi.org/10.4194/AFS35>.
5. Ogungbile, P.O., Ajibare, A.O**.,** **Ayeku, P.O**. and Akinola, J.O. (2022): Bio-Tolerance Potential and Environmental Risks Assessment of *Oreochromis niloticus* and *Ipomoea aquatica* in Agodi Reservoir, Nigeria. Scientific Reports (2022) 12:1594. DOI: <https://doi.org/10.1038/s41598-022-05576-2>.
6. **Ayeku P.O.**, Ogundele L.T.,Ajibare A.O. and Aigbadon G.O. (2021): Textural Characteristics and Geochemical Composition of a Tropical Coastal Marine Sediment: A case study of Trangressive mud beach, Bight of Benin, Nigeria. *Environmental Monitoring and Assessment* 193:729. DOI: <https://doi.org/10.1007/s10661-021-09533-w>
7. Ogungbile P. O., **Ayeku P. O.** and Ajibare A. O. (2021). Comparative Bio-Tolerance of Ipomoea aquatica to Heavy Metal Pollution in Agodi Reservoir and Ogunpa River, Oyo State, Nigeria. *African Journal of Aquatic Science.* <https://doi.org/10.2989/16085914.2021.1911780>.
8. **P. O. Ayeku**, B.I. Aguh, A. O. Ajibare and J.A. Adakole, (2020). A survey of water physicochemical parameters and heavy metals contaminations of ABU reservoir and a stretch of Samaru stream. *Ecologia*, 12:1986 – 1992. <https://doi.org/10.3923/ecologia.2020>.
9. Ogundele L. T and **Ayeku P. O** (2020) Source apportionment and associated potential ecological risk assessment of heavy metals in coastal marine sediments samples in Ondo, Southwest, Nigeria *Stochastic Environmental Research and Risk Assessment* <https://doi.org/10.1007/s00477-020-01848-3>.
10. Ogundele L. T and **Ayeku P. O** (2020) Assessment of heavy metals contamination and sediment quality in Ondo coastal marine area, Nigeria, *Journal of African Earth Sciences*  doi: <https://doi.org/10.1016/j.jafrearsci.2020.103903>.
11. Lasun T. Ogundele, **Patrick O. Ayeku**, Adebiyi S. Adebayo, Ayodele P. Olufemi, and Isaiah A. Adejoro (2020). Pollution Indices and Potential Ecological Risks of Heavy Metals in the Soil: A Case Study of Municipal Wastes Site in Ondo State, Southwestern, Nigeria. *Polytechnica* 5: 96 – 105. <https://doi.org/10.1007/s41050-020-00022-6>.
12. Lasun T. Ogundele, **Patrick O. Ayeku,** Samuel O. Inuyomi, Oluwakunle M. Ogunsakin, Olubusayo F. Oladejo and Isaiah A. Adejoro (2020). Assessment of Naturally Occurring 40K, 232TH and 238U and their associated radiological Hazard Indices in Soils used for Building in Ondo West Local Government area, Southwestern, Nigeria. *International Journal of Environmental quality, 37:* 11 *-*21*.* [*https://doi.org/10.6092/issn.2281-4485/9473*](https://doi.org/10.6092/issn.2281-4485/9473)*.*
13. **Ayeku P. Oluwagbenga,** Ogundele Lasun Tundeand Adeniyi, I. Funsho. (2019). A Study of Heavy Metals Pollution in the Coastal Marine Sediment of Ondo State, Nigeria *Current Journal of Applied Science and Technology* 34(1): 1-10*.* <https://doi.org/10.9734/CJAST/2019/v34i130112>.
14. Ogundele Lasun Tunde, Isaiah A. Adejoro, **Patrick O. Ayeku** (2019). Health risk assessment of heavy metals in the soil samples from the abandoned industrial waste dumpsite in Ibadan, Nigeria. *Environmental Monitoring and Assessment*. 191:290-300. <https://doi.org/10.1007/s10661-019-7454-8>.
15. **Ayeku Patrick Oluwagbemiga,** Ajibare Adefemi Olatayo and Adeniyi Israel Funso (2019). Coastal marine sediment heavy metals contamination of a transgressive mud beach, Ondo State, Southwest, Nigeria. *Journal of Marine Science: Research & Development.* 99(2): 269 – 275.
16. Ajibare A. O, **Ayeku P. O**, Akinola J. O and Adewale A. H (2019) Plankton Composition in Relation to Water Quality in the Coastal Waters of Nigeria. Asian Journal of Fisheries and Aquatic Research. *Asian Journal of Fisheries and Aquatic Research* 5(2): 1-9. <https://doi.org/10.9734/ajfar/2019/v5i230070>.
17. Ajibare A.O, Olawusi-Peters O.O and **Ayeku P.O** (2018). Bioaccumulation of some heavy metals in the Cephalothorax and Abdomen of *Nematopalaemon hastatus* in the Coastal Water of Ondo State Nigeria. IOSR *Journal of Agriculture and Veterinary Science (IOSR-JAVS).* 11(6):32 -38. <https://doi.org/10.9790/2380-1106013238>.
18. Ashiru Olusola Raheemat, Adegbile Moruf Oluwasemiloore and **Ayeku Patrick Oluwagbemiga** (2017). Assessment of the Effect of Anthropogenic Activities on Aquatic Life in Ugbo-Aiyetoro Water-way, Southwestern Nigeria. *International Journal of Oceanography and Marine Ecological System.* 10: 1-14. <https://doi.org/10.3923/ijomes.2017.9.22>.
19. Aguh, I. B., Nock, I. H., Ndams, I. S., Agunu, A. and **Ayeku, P. O.** (2013). Hypolipidemic properties of *Bauhinia rufescens* in alloxan-induced diabetic rats. Scientific *Journal of Biological Sciences*. 2(4):68-75.
20. Aguh, I. B., Yahaya, A., Saidu, I. A., **Ayeku, P. O.**, and Agba, A. A. (2013). Correlation of body weight and other morphometric measurements in Albino rats (*Rattus norvegicus*). *Scientific Journal of Biological Sciences*. 2(3):39-44.
21. Ibiwoye T. I, Owolabi O. D, Ajala A. A, Oketoki T. O, Adio S.M, Adedapo A. O, **Ayeku P. O** and Agbontale J. J (2006). Helminth parasites in freshwater fish species from Jebba Lake and Bida Floodplain areas of River Niger, Nigeria. *Annual Journal of the Fisheries Society of Nigeria.* 21: 13 – 20. <http://aquaticcommons.org/id/eprint/22366>
    * 1. **Papers already accepted for publications**
22. Ogundele T. L, **Ayeku P. O.** and Oladejo Olubusayo (2022) Lead, Cadmium and Chromium levels in some Nigerian lipstick products and their potential health risks to the consumers. *Current journal of applied science and technology.* Manuscript no: 2020/CJAST/54217.  https://[www.journalcjast.com/index.php/CJAST/articles-press](http://www.journalcjast.com/index.php/CJAST/articles-press)
23. Daisi, O. M., Adeniyi I. F, **Ayeku P.O.**, and Omolere P. O. (2022): Aquatic Macrophytes Diversity and Distribution; a case study of Ifewara Reservoir, Osun State, Nigeria. *Nigeria Journal of Technological Research* (NJTR-22-309.R4).
24. Udoh F.E., Ajibare A.O.and **Ayeku P.O.** (2022): Proximate Composition and Sensory Evaluation of Smoked Catfish (*Clarias gariepinus*) using Different Smoking Materials. *Nigerian Journal of Technological Research* (NJTR-2021-0031).
25. Ayeku P. O. and Ajibare A. O. (2022) Assessment of Nutrients and Elemental Distributions of a Tropical Coastal Ocean Sediment. *Journal of Trace Elements and Minerals* (JTEMIN-D-22-00038R1).
    * 1. **Published Conference Proceedings**
26. Ajibare, A.O., Loto, O.O., **Ayeku, P.O.** and Amulejoye, F.D. (2022): Toxicity of the Herbicide Glyphosate: Effects on Behavioural and Growth Responses of Juvenile *Clarias gariepinus*. Book of Abstracts of the First Scientific Conference of the Faculty of Applied Science, Kola Daisi University, Ibadan held at Kola Daisi University Ibadan, Nigeria. 1st to 4th March, 2022.
27. Ajibare A.O., Loto O.O. and **Ayeku P.O.** (2021):Morphological Diversity, Length-Weight Relationship and Growth Condition of *Sarotherodon melanotheron* and *Tilapia guineensis* inhabiting Mahin Lagoon and its Adjoining Creek. *Book of Abstracts of the 3rd Annual Conference of the Association of Nigerian Fisheries Scientists (ANIFS)* held at Faculty of Agriculture Cooperative Secretariat, University of Benin City, Nigeria. 28th to 30th July, 2021.
28. **Ayeku P.O.**,Ajibare A.O.and Udoh F.E. (2019): Dynamics of Physico-Chemical and Sedimentological Characteristics of the Transgressive Mud Coastal-Marine Area of the Bight of Benin, Nigeria. *Proceedings of the 34th Annual Conference of the Fisheries Society of Nigeria (FISON),* Ebonyi State University, Abakaliki, Ebonyi State, Nigeria. 28th October - 1st Nov. 2019.
29. Ajibare A.O., **Ayeku P.O.** and Adewale A.H. (2018): Plankton Composition in relation to Water Quality of the coastal waters of Ondo state, Nigeria. *Book of Abstracts of the 8th Nigerian Youth Academy (NYA) Conference and General Assembly*, University of Medical Sciences (UNIMED) Ondo, Ondo State, Nigeria. 28th-30th August, 2018.
30. **Ayeku, P.O.,** Adeniyi, I.F. and Ajibare, A.O. (2017): Particle Size Distribution and Accumulation of Heavy Metals in the Coastal Marine Sediments of Ondo State, South-West Nigeria. *Proceedings of the 12th Annual Conference of the Zoological Society of Nigeria (ZSN),* Federal University of Technology, Minna, Niger State, Nigeria. 8th-10th November, 2017
31. Ajibare, A.O., Olawusi-Peters, O.O. and **Ayeku P.O.** (2017): Bio-accumulation of Some Heavy Metals in the Cephalothorax and Abdomen of *Nematopalaemon* *hastatus* in the Coastal Waters of Ondo State, Nigeria. *Proceedings of the 32nd Annual Conference of the Fisheries Society of Nigeria (FISON),* Nnamdi Azikiwe University, Awka, Anambra State, Nigeria. 23rd-28th October, 2017.
32. **Ayeku P.O**, Adakole J.A and Balarabe M.L: Spiked sediment toxicity of Cd, Pb, Cr, Zn, Mn & Fe on Chironomus riparius. *Proceeding of 30th Annual conference of Fisheries Society of Nigeria (FISON)*, Awka, Anambra State, 30th October – 4th November, 2015.
    * 1. **Monographs / Technical Reports**

**Ayeku P. O**: Assessment of Sedimentological Characteristics and the Water Physicochemical Parameters of the Transgressive Mud Coastal Marine Area of the Bight of Benin, Nigeria. *Proceeding of the 5th High-Level Industry-Science-Government Dialogue on Atlantic Interactions, Eko Hotel and Resort, Lagos State.* 28th April – 2nd May, 2019.

1. **Conferences Attended with dates and Papers Presented**
2. 2022 Conference of the Ecological Society of Nigeria (ECOSON) holding at the Department of Crop Protection and Environmental Biology, University of Ibadan, Nigeria. 24th to 28th March, 2022

**Paper to be Presented:** **Ayeku P.O.**, Ajibare A.O**.** and Adeniyi I.F. (2022): Assessment of Nutrient Bioavailability of Coastal Marine; A Case Study of the Transgressive Mud Beach Area, Bight of Benin, Nigeria (IBD22/ERESM/02)

1. First Scientific Conference of the Faculty of Applied Science, Kola Daisi University, Ibadan held at Kola Daisi University Ibadan, Nigeria. 1st to 4th March, 2022.

**Paper Presented:** Ajibare, A.O., Loto, O.O., **Ayeku, P.O.** and Amulejoye, F.D. (2022): Toxicity of the Herbicide Glyphosate: Effects on Behavioural and Growth Responses of Juvenile *Clarias gariepinus*.

Book of Abstracts of the First Scientific Conference of the Faculty of Applied Science, Kola Daisi University, Ibadan held at Kola Daisi University Ibadan, Nigeria. 1st to 4th March, 2022.

1. 3rd Annual Conference of the Association of Nigerian Fisheries Scientists (ANIFS) held at Faculty of Agriculture Cooperative Secretariat, University of Benin City, Nigeria. 28th to 30th July, 2021.

**Paper Presented:** Ajibare A.O., Loto O.O. and **Ayeku P.O.** (2021):Morphological Diversity, Length-Weight Relationship and Growth Condition of *Sarotherodon melanotheron* and *Tilapia guineensis* inhabiting Mahin Lagoon and its Adjoining Creek.

1. Inaugural Conference of the Forum of Nigerian Toxicologists (FONTOX), University of Ibadan, Ibadan, Oyo State, Nigeria. 11th – 12th March 2020
2. 34th Annual Conference of the Fisheries Society of Nigeria (FISON), Ebonyi State University, Abakaliki, Ebonyi State, Nigeria. 28th October - 1st Nov. 2019

**Paper Presented: Ayeku P.O.,** Ajibare A.O. and Udoh F.E. (2019): Dynamics of Physico-Chemical and Sedimentological Characteristics of the Transgressive Mud Coastal-Marine Area of the Bight of Benin, Nigeria

1. 8th Nigerian Youth Academy (NYA) Conference and General Assembly, University of Medical Sciences (UNIMED) Ondo, Ondo State, Nigeria. 28th-30th August, 2018

**Abstract Presented:**Ajibare A.O., **Ayeku P.O.** and Adewale A.H. (2018): Plankton Composition in relation to Water Quality of the coastal waters of Ondo state, Nigeria.

1. 12th Annual Conference of the Zoological Society of Nigeria (ZSN), Federal University of Technology, Minna, Niger State, Nigeria. 8th-10th November, 2017

**Paper Presented:** **Ayeku, P.O.,** Adeniyi, I.F. and Ajibare, A.O. (2017): Particle Size Distribution and Accumulation of Heavy Metals in the Coastal Marine Sediments of Ondo State, South-West Nigeria.

1. 32nd Annual Conference of the Fisheries Society of Nigeria (FISON), Nnamdi Azikiwe University, Awka, Anambra State, Nigeria. 23rd-28th October, 2017

**Paper Presented:** Ajibare, A.O., Olawusi-Peters, O.O. and **Ayeku P.O.** (2017): Bio-accumulation of Some Heavy Metals in the Cephalothorax and Abdomen of *Nematopalaemon* *hastatus* in the Coastal Waters of Ondo State, Nigeria.

**WORKSHOPS/TRAININGS/SEMINARS ATTENDED:**

1. Workshop on Recombinant DNA Technology and Bioinformatics

**Organizers**: Joseph Ayo Babalola University, Ikeji-Arakeji, Osun State, Nigeria

**Training topics**: DNA Extraction, PCA and Bioinformatics

**Venue:** Joseph Ayo Babalola University, Ikeji-Arakeji, Osun State, Nigeria **Date**: March, 2014.

1. Workshop on Effective use of Electronic Library (The Essential Electronic Agricultural Library (TEEAL) in Nigeria

**Organizers**: United Nations Food and Agriculture Organization, Mann Library, Cornell University in partnership with Information Training and Outreach Centre for Africa (ITOCA)

**Training topics**: Effective use of Electronic Library in Nigeria

+TEEAL; +AGORA; +Mendeley; +Crison Editor (LATEX); etc.

**Venue:** Wesley University Ondo, Ondo State. **Date**: 28th to 30th November, 2016.

1. Workshop on Access to Global Online Research in Agriculture (AGORA) and The Essential Electronic Agricultural Library (TEEAL) Programmes in Nigeria

**Organizers**: United Nations Food and Agriculture Organization, Mann Library, Cornell University in partnership with Information Training and Outreach Centre for Africa (ITOCA)

**Training topics**: AGORA and TEEAL Programmes in Nigeria

+TEEAL; +AGORA; +OARE; +Mendeley etc.

**Venue:** Wesley University Ondo, Ondo State. **Date**: 25th to 27th August, 2015

* 1. **Administrative and Organizational Responsibilities**

1. **Within University**

**@ Federal University Gusau (FUGUS)**

* + 1. SIWES Coordinator for the Department of Biological Sciences, FUGUS
    2. Seminar Coordinator for the Department of Biological Sciences, FUGUS
    3. Secretary, Departmental Quality Assurance Committee, FUGUS
    4. Secretary, Departmental Library Committee, FUGUS
    5. Member, Departmental Committee on Appointment and Promotion, FUGUS
    6. Member, Departmental Disciplinary, FUGUS

**@ Wesley University Ondo (Wesley Uni.)**

1. Member of the Supervising Committee on the resuscitation of Hatchery and Grow-Out Unit (Fish ponds) of the Department of Fisheries Management and Aquaculture.
2. Examination Officer for the College of Natural and Applied Sciences, Wesley University.
3. Member Accreditation Committee for the Department of Agriculture, College of Agriculture and Food Science Technology.
4. Member of the Examination Committee, Wesley University.
5. 400 Level Students’ Academic Adviser for the Department of Biological Sciences.
6. 200 Level Students’ Academic Adviser for the Department of Agriculture.
7. Pioneer member Curriculum Development committee for the Department of Fisheries Management and Aquaculture (Wesley Uni.).
8. Member Curriculum Review Committee for the Department of Biological Sciences (Wesley Uni.).
9. **Outside University**
10. Reviewer for several Scientific Journals
11. NYSC Coordinator of Family Life Programs, Keffi LG, Nasarawa State 2007
    1. **Names and Addresses of Referees**:

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