

CURRICULUM VITAE

PERSONAL DATA

Full Name - **JOSEPH AKANINYENE PAUL**
Address - No. 6 Palm Groove Avenue (Road B), Oka, Ondo City, Ondo State, Nigeria.
GSM Number: - +2348062537548
E-mail Address: - joseph.akan@yahoo.com

INSTITUTIONS ATTENDED

- ❖ **MS. University of Calabar, (Aquatic Pollution and Toxicology)** - August 2016
(CGPA - 4.82/5.00)
Thesis: Concentration of heavy metals in water, sediment and tissues of *Clarias gariepinus* from Qua Iboe River, Akwa Ibom State, South-South Nigeria.
Supervisor: Professor Ekpo Eyo Antai
- ❖ **BS. University of Calabar, (Marine Biology)** - August 2010
(2nd Class Upper, CGPA- 4.08/5.00)
Thesis: Abundance and Distribution of Phytoplanktons in Calabar River, South-South Nigeria.
Supervisor: Professor Udeme Enin
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RESEARCH INTEREST

- ❖ Environmental toxicology of emerging contaminants
 - ❖ Endocrine disrupting potential of emerging contaminants in biological organisms
 - ❖ Ecological and health risk assessment
 - ❖ Food safety and public health
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WORK AND TEACHING EXPERIENCE

- ❖ **University of Medical Sciences, Ondo City, Nigeria** - 2022 – Date
- Biostatistics, Aquatic pollution biology, Waste Management, Vertebrate zoology, Environmental pollution studies, Wetland
- ❖ **Lecturer, Arthur Jarvis University, Akpabuyo, Nigeria** - 2021 - 2022
- Taught courses (Biostatistics, Plant breeding, General ecology, and Industrial Biotechnology).
- ❖ **Manager Resource Room, Zoology and Environmental Biology** - 2016 – 2021
- Provide research materials for undergraduate and post graduate students
- Guide the students on the rudiment of research
- Assist final year and post graduate students in the laboratory

- ❖ **Volunteer Lecturer, Department of Zoology and Environmental Biology, University of Calabar** - 2014 - 2021
 - Lecture year one biology (Topics: Animal reproduction, Phylum Porifera, Annelida and Nematoda) - 2014 - 2021
 - Lecture Pre-Degree Biology (Bio 101) (Topic: Human Brain) - 2019 – 2020
 - Lecture Animal Physiology (ZEB 231) (Year 1 and 2) (Topic: Metabolism) - 2016 – 2018
 - Lecture Lower Invertebrates (ZEB 211) (Year 2) (Topic: Phylum Echinodermata, Annelida, and Porifera) - 2016 - 2018
- ❖ **Laboratory assistant Zoology and Environmental Biology Laboratory, University of Calabar, Nigeria.** - 2012 - 2016
 - Assist the undergraduate and post graduate students in setting-up experiments
 - Assist them during field work
 - Carry-out laboratory analysis of heavy metals, microplastics, phytoplankton etc.

- ❖ **Brains Extra-Moral Classes (Biology Teacher)** - 2010 – 2012

PERSONAL ACHIEVEMENTS/AWARDS

- ❖ Science Father Award for best researcher on Science, Health, and Engineering - 2023
- ❖ Best Graduating Post-Graduate Student, Faculty of Biological Science, University of Calabar, (M.Sc Aquatic Pollution and Toxicology – CGPA 4.82/5.00) - 2016
- ❖ Best Graduating Student, Department of Marine Biology, University of Calabar (B.Sc Marine Biology- CGPA 4.08/5.00) - 2010

RESEARCH FUNDING HISTORY

- ❖ Niger Delta Development Commission (NDDC) funding - 2014 – 2016
 - Obtained the funding from NDDC for my Masters research
- ❖ Akwa Ibom State Government funding for Masters research - 2015

RESEARCH EXPERIENCE

- ❖ **Graduate Student** **University of Calabar, Nigeria** - 2014 – 2016
 - Masters research on the concentration of heavy metals in water, sediment and tissues of *Clarias gariepinus* from Qua Iboe River, South South Nigeria.
 - Assessed the public health threats of heavy metals due to the consumption of *Achachatina marginata* from a partially remediated site in Ikot Ada Udo, Akwa Ibom State, South-South Nigeria.
 - Researched on impact of oil spillage on the levels of heavy metals and petroleum hydrocarbons in millipede and soil from Ikot Ada Udo.

- Studied the alterations in steroid sex hormones of *Clarias gariepinus* exposed to sub-lethal concentrations of Cypermethrin.
- Studied the consequences of anthropogenic pollutants on the nutritional quality of *Clarias gariepinus* from Qua Iboe River, South Eastern Nigeria.
- Assessed the pollution threats of boreholes Located near an abandoned dumpsite in Uyo, Nigeria.
- And many more as shown in my list of publication

❖ **Undergraduate Student** **University of Calabar, Nigeria** – 2005 - 2010

- Studied the distribution of phytoplankton in Calabar River, South South Nigeria.

INSTRUMENTATION PROFICIENCY

- ❖ Atomic absorption spectrophotometer (AAS)
- ❖ Gas chromatography mass spectrometry (GC-MS)
- ❖ Electron microscope

ADMINISTRATIVE EXPERIENCE

- ❖ **Senator** Member of parliament representing Faculty of Biological – 2015 – 2016
Sciences (6th senate) in the University of Calabar Post
Graduate School Union Government, Nigeria.
- ❖ **Financial secretary** University of Calabar Student Union Government, Nigeria. - 2009

COMMUNITY SERVICE

- ❖ **Add hoc staff** Assistant presiding officer (APO), Independent - 2015
National Electoral Commission, 2015 general election
- ❖ **Supervisor** Remediation of an oil spill site, Ogoni, Niger Delta, Nigeria - 2019 - 2020
*(A Collaboration of Hydrocarbon Pollution Remediation
Project, Nigeria and Niger Delta Development Commission,
Nigeria)*

STATISTICAL ANALYSIS PROFICIENCY

- ❖ Proficient in Microsoft EXCEL, SPSS, Prism GraphPad, OriginPro, PAST, STATISTICA.
- ❖ Proficient in data analysis such as Descriptive Statistics, ANOVA, t-test, Co-relation, Probit Analysis, Principal Component Analysis (PCA), Canonical Correspondence Analysis (CCA), Redundancy Analysis (RDA), Cluster Analysis, Regression Analysis, Ecological diversity indices, etc.

PEER REVIEWED FOR:

- ❖ Environmental Pollution (Reviewer)
- ❖ Scientific Reports (Reviewer)
- ❖ Environmental Geochemistry and Health (Reviewer)

- ❖ Discover Water (Reviewer)
- ❖ Journal of Food Composition and Analysis (Reviewer)
- ❖ Annual Research and Review in Biology (Reviewer)
- ❖ Asian Journal of Fisheries and Aquatic Research (Reviewer)
- ❖ Journal of Global Ecology and Environment (Reviewer)

PROFESSIONAL MEMBERSHIP

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|---|--------|--------------------|
| ❖ Nigerian Environmental Society (NES) | Member | - 2018 – Till date |
| ❖ Fisheries Society of Nigeria (FISON) | Member | - 2018 – Till date |
| ❖ Society of Environmental Toxicology and Chemistry (SETAC) | Member | - 2021 - Date |

TECHNICAL TRAININGS ATTENDED

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| ❖ Technical Training on research ethics and transparency | - | 2022 |
| ❖ Animal Ethics Training on Animal Care and Use in Research, Education, and Testing by ACURET | - | 2022 |
| ❖ Hydrocarbon Pollution Remediation Project (HYPREP) Training
<i>(Training for the remediation of crude oil spills in Ogoni land, Niger Delta Nigeria)</i> | - | 2018 |

MENTORSHIP ACTIVITIES

- ❖ Mentored over 50 undergraduate and post-graduate students from the Department of Zoology and Environmental Biology, University of Calabar, Nigeria. 2014 - Date
 - Mentored undergraduate and post graduate students in setting up their experiment.
 - Guide them on how to generate the required data.
 - Tutor them on the most appropriate statistical tool for their analysis (show them how to use the statistical tool).
 - Guide them through the writing of the project/thesis.

CONFERENCES ATTENDED

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| Fisheries society of Nigeria (FISON) conference | - | 2018 |
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SCOPUS-INDEXED PUBLISHED/ACCEPTED ARTICLES

- ❖ 1) **Joseph, A. P.**, Edet, U. O., Asanga, E., Udoeyop, F. A., Ubi, B. I., Bedia, G., Akindele, A. F. I., Odu, R., Nwaokorie, F. (2023). Spice-induced metal contamination and microbiological risk assessment of instant noodles prepared for human consumption. *Biological Trace Element Research* (Accepted for publication: In press). (Q1 Journal; SCI Journal; Impact factor: 4.01) **(Corresponding author)**
- ❖ 2) **Joseph, A. P.**, Yuan, X. Y., Okoro, F. T., Etinosa-Okankan, O. P., Akindele, A. F. I., Adetunji-Popoola, W. (2023). Assessment of potential radiological risk of borehole water and Snails from a crude oil contaminated area, Ikot Ada Udo, South-South Nigeria. *Journal of Food Composition and Analysis*, 123, 105594. (Q1 Journal; SCI Journal; Impact factor: 4.3) **(Corresponding author)**.

- ❖ **3) Joseph, A. P.,** Andem, A. B., Ebari, S., and Eni, G. (2023). Hormonal and haematological biomarkers as indicators of stress induced by Diuron herbicide toxicity on *Clarias gariepinus* (Burchell, 1822) sub-adults. *Comparative Biochemistry and Physiology Part C*, **276**, 109802. <https://doi.org/10.1016/j.cbpc.2023.109802>. **(Corresponding author)** (Q1 Journal; SCI Journal; Impact factor: 3.9)
- ❖ **4) Umoafia, N., Joseph, A. P.,** Edet, U. O., Nwaokorie, F., Okoroiwu, H., Edet, B., Asanga, E., Mbim, E., Chikwado, C., and Obeten, H. (2023). Deterioration of the quality of packaged potable water (bottle water) exposed to sunlight for a prolonged period: An implication for public health. *Food and Chemical Toxicology*, **175**, 113728. (Q1 Journal; SCI Journal; Impact factor: 5.572) **(Corresponding author)**
- ❖ **5) Umoafia, N. E., Edet, U. O., Joseph, A. P.,** Henshaw, O. U., Mbim, E. N., Obeten, H., Edet, O. E., Edet, A., Ibor, R., Nkang, N., Louis, H., Nwaokorie, F. O., Nkang, A. E. (2023). Impact of sunlight exposure on physicochemical parameters, potential toxic metals, and microbial characteristics of sachet drinking water sold in Calabar metropolis, Nigeria. *SN Applied Science*, **5**, 380. <https://doi.org/10.1007/s42452-023-05585-4>. (Q2 Journal; Impact factor: 2.60)
- ❖ **6) Tang, L., Xiong, L., Zhang, H., Joseph, A. P.,** Wang, Y., Li, J. H., Yuan, X. Y., Zhu, N. Y. and Rene, E. R. (2023). Reduced arsenic availability in paddy soil through Fe-organic ligand complexation mediated by bamboo biochar. *Chemosphere*, **349**, 140790. <https://doi.org/10.1016/j.chemosphere.2023.140790>. (Q1 Journal; SCI Journal; Impact factor: 8.8)
- ❖ **7) Nwaokorie, F., Edet, U., Joseph, A.,** Kanki, P., and Ogunsola, F. (2023). Prediction of functional proteins associated with the gut microbiome of an adult population in Lagos State, Nigeria. *Scientific African*, **19**, e01445. (Q2 Journal; Impact factor: 3.3)
- ❖ **8) Edet, U. O., Ubi, B. I., and Joseph, A. P.** (2023). Heavy metals co-resistance with antibiotics amongst bacteria isolates from an open dumpsite soil. *Heliyon*, **9**, e13457. (Q1 Journal; SCI Journal; Impact factor: 4.0)
- ❖ **9) Udofia, U. U. and Joseph, A. P.** (2023). Impact of oil spillage on the levels of heavy metals and petroleum hydrocarbons in millipede and soil from Ikot Ada Udo, Akwa Ibom State, South-Eastern Nigeria. *International Journal of Environment and Waste Management*, **30** (4), 425 – 439. (DOI: 10.1054/IJEWM.2022.10032447). **(Corresponding author)** (Q4 Journal; Impact factor: 0.255)
- ❖ **10) Ekanem, S. N., Joseph, A. P. and Iwok, E. B.** (2023). Consequencies of anthropogenic pollutants on the nutritional quality of *Clarias gariepinus* (Burchell, 1822) from Qua Iboe River, South Eastern Nigeria. *International Journal of Environment and Waste Management* (Accepted, In Press: Scheduled for publication). <https://doi.org/10.1504/IJEWM.2023.10048099> **(Corresponding author)** (Q4 Journal; Impact factor: 0.255) (<https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijewm>).
- ❖ **11) Joseph, A. P.,** Edet, U. O., Etinosa-Okankan, O. P., and Ekanem, S. (2022). Health risk assessment of heavy metals and radionuclides in *Cynoglossus senegalensis* (Sole fish) from Qua Iboe River, South-South Nigeria. *Journal of Food Composition and Analysis*, **114** (2022) 104854. **(Corresponding author)** (Q1 Journal; SCI Journal; Impact factor: 4.3)
- ❖ **12) Uwem, E. O., Joseph, A. P.,** Nwaokorie, F. O., Okoroiwu, H. U., Udofia, U. U., Ibor, O. R., Basse, I. U., Asitok, A., Edet, B. O., Basse, D. E., and Nkang, A. (2022). Impact of “sachet water” microplastic on agricultural soil physico-chemistry, antibiotics resistance, bacteria diversity and function. *SN Applied Science*, **4**: 323. <https://doi.org/10.1007/s42452-022-05206-6>. (Q2 Journal; Impact factor: 2.60)
- ❖ **13) Joseph, A. P.,** Edet, U. O., Iwok, E. B., and Ekanem, S. (2022). Health implications of oral and dermal exposure to heavy metals in borehole water from a poorly remediated Ikot Ada Udo community, Akwa Ibom State, South-South Nigeria. *African Scientific*, **18**, e01416. <https://doi.org/10.1016/j.sciaf.2022.e01416>. **(Corresponding author)** (Q2 Journal; Impact factor: 3.3).

- ❖ **14) Joseph, A.,** Iwok, E. and Sarah, E. (2021). Public health threats of heavy metals due to the consumption of *Achachatina marginata* (African Giant Land Snail) from a partially remediated site in Ikot Ada Udo, Akwa Ibom State, South-South Nigeria. *Environmental Pollution*, **271**: 1 – 7. **(Corresponding author)** (Q1 Journal; SCI Journal; Impact factor: 8.9)
- ❖ **15) Joseph, A. P.,** Udofia, U. U. and Ajang, R. O. (2021). Evaluation of the water quality of borehole water from a partially remediated oil spill site in Ikot Ada Udo, Akwa Ibom State, South-South Nigeria. *Environmental Technology and Innovation*, **24** (2021) 101967. <https://doi.org/10.1016/j.eti.2021.101967>. **(Corresponding author)** (Q1 Journal; SCI Journal; Impact factor: 7.1)
- ❖ **16) Joseph, A. P.,** Udofia U. U., Edet, U. O., Iwok, E. B., and Ivara, V. (2021). Ecological implications and source apportionment of heavy metal and hydrocarbon contaminants in the soil of a poorly crude oil remediated site in Nigeria: A case of Ikot Ada Udo community. *Journal of Ecological Engineering*, **22** (10): 275 - 286. **(Corresponding author)** (Q3 Journal; Impact factor: 1.3)
- ❖ **17) Ivon, E.,** Andem, B., Oju, J., **Joseph, A. P.** and Ndome, C. B. (2017). Toxicological and Histopathological Responses of African Clariid Mud Catfish, *Clarias gariepinus* (Buchell, 1822) Fingerlings exposed to Detergents (Zip and Omo). *Annual Research and Review in Biology*; **13** (1): 1-9.
- ❖ **18) Andem, A. B.,** Ibor, O. R, **Joseph, A. P.,** Eyo, V. O, Edet, A. A. (2016). Toxicological Evaluation and Histopathological Changes of Synthetic Pyrethroid Pesticide (Cypermethrin) Exposed to African Clariid Mud Catfish (*Clarias gariepinus*) Fingerlings. *International Journal of Toxicological and Pharmacological Research*, **8** (5), 360 - 367. (Q2 Journal; SCI Journal; Impact factor: 1.5)
- ❖ **19) Andem, A. B., Joseph, A. P.,** Ibor, O. R., John, E. R. (2016). Ichthyotoxic Assessment of Methanolic Extract of *Raphia hookeri* Exposed to different Concentrations of African Clariid Mud Catfish (*Clarias gariepinus*) Fingerlings. *International Journal of Toxicological and Pharmacological Research*, **8** (5), 341 - 345. (Q2 Journal; SCI Journal; Impact factor: 1.5)

OTHER PUBLICATIONS (GOOGLE SCHOLAR)

- ❖ **20) Ebari, S.,** Ajang, R. O., **Joseph, A. P.,** Eni, G., Andem, A.B. (2023). Endocrine disrupting potential of the sub-lethal concentrations of primextra herbicide on the hormonal and haematological profile of *Clarias geriepinus* (Burchell, 1822) sub-adults. *Journal of Survey in Fisheries Sciences*, **10**(1): 2832-2846. **(Corresponding author)**
- ❖ **21) Udofia, U. U.,** Okoro, T. T., and **Joseph, A. P.** (2021). Toxicological impact of leachates from lemna refuse dumpsite on African Catfish (*Clarias gariepinus*, Burchell 1882) fingerlings under laboratory condition. *Annual Research and Review in Biology*, **36** (7), 23 – 37. **(Corresponding author)**
- ❖ **22) Joseph, A. P.,** Ekanem, S. N. and Etinosa-Okankan, O. P. (2020). Evaluation of the biochemical and nutritional quality of some edible insects: An alternative to food nutrient sources in Cross River State, South-Eastern Nigeria. *International Journal of Advanced Research*, **8**(2): 213 - 221. **(Corresponding author)**
- ❖ **23) Joseph, A. P.,** Otong, B. E. and Asuquo, P. E. (2019). Length-Weight relationship and condition factor of different sexes of *Clarias gariepinus* and *Oreochromis niloticus* from Calabar River, South-Eastern Nigeria. *International Journal of Scientific and Engineering Research*, **10** (8): 1076 - 1090. **(Corresponding author)**
- ❖ **24) Ekanem, S. N., Joseph, A. P.** and Sam-Uket, N. O. (2019). Impacts of heavy metals and hydrocarbon contaminants on the condition factor of *Clarias gariepinus* (Burchell, 1822) from Qua Iboe River, South-Eastern Nigeria. *International Journal of Advanced Research*, **7** (8): 570 - 579. **(Corresponding author)**

- ❖ 25) Ajang, R. O., **Joseph, A. P.** and Arokwe, L. A. (2018). Growth Responses of Nile Tilapia (*Oreochromis niloticus*) exposed to different concentrations of Detergents Powder. *Journal of Applied Life Sciences International*; **17(3): 1 – 9. (Corresponding author)**
- ❖ 26) Usang, A. U., Ajang, R. O., **Joseph, A. P.**, Ivon, E. A. and Udom, I. P. (2018). Influence of Water Quality on the abundance of Freshwater Mollusc in Biase, Cross River State, South-Eastern Nigeria. *Advances in Research*; **15(2): 1 – 12. (Corresponding author)**
- ❖ 27) Otong, B. E., **Joseph, A. P.** and Okoro, F. T. (2018). Water Quality Contamination and Mortality of African Mud Catfish (*clarias gariepinus*; burchell, 1822) Fingerlings exposed to Paint Effluents. *Asian Journal of Environment and Ecology*; **7(3): 1 - 12. (Corresponding author)**
- ❖ 28) **Joseph, A. P.**, Otong, B. E., Okoro, F. T. and Akpan, O. E. (2018). Toxicological Responses of African Mud Catfish (*Clarias gariepinus*; Burchell, 1822) Fingerlings Exposed to Culture Water Contaminated with different Concentrations of Cypermethrin. *Advances in Research*; **17(4): 1 – 15. (Corresponding author)**
- ❖ 29) Udofia, U. U., **Joseph, A. P.** and Okoro, F. T. (2018). Assessment of the Pollution Threats of Boreholes located around an abandoned Dumpsite in Uyo Metropolis, Akwa Ibom State, Nigeria. *Journal of Scientific Research and Reports*, **21(5): 1 – 9.**
- ❖ 30) Ayim, E. A., Ivon, E. A., Ajang, R. O. and **Joseph, A. P.** (2018). Comparative Assessment of Growth Performance and Nutrients Utilization of African Catfish (*Clarias gariepinus*, Burchell 1882) Fed Chicken Offal and Shrimp-Based Diets. *Annual Research and Review in Biology*, **30 (5): 1 – 11. (Corresponding author)**
- ❖ 31) Ajang, R. O., **Joseph, A. P.**, Ivon, E. A. and Ayim, E. M. (2018). Comparative Evaluation of the Reproductive Indices and Gonadal Development of *Clarias gariepinus* Fed Chicken Offal and Shrimp Based Diets. *Asian Journal of Biology*, **7 (2): 1 - 13. (Corresponding author)**
- ❖ 32) Ajang, R. O., Ivon, E. A., Ndome, C. B., Ayim, E. M. and **Joseph, A. P.** (2018). Economic Evaluation of different Protein-Rich Diets (Coppens, Shrimp based diet and Chicken Offals Based Diet) for *Clarias gariepinus* Productivity. *Asian Journal of Environment and Ecology*, **8 (4): 1 - 11. (Corresponding author)**
- ❖ 33) **Joseph, A. P.**, Okoro, F. T. and Ajang, R. O. (2018). Alterations in Steroid Sex Hormones (17 β Estradiol and Testosterone) of *Clarias gariepinus* Exposed to Different Sub-lethal Concentrations of Cypermethrin. *Journal of Scientific Research and Reports*, **23 (2): 1 – 11. (Corresponding author)**
- ❖ 34) Antai, E. E., **Joseph, A. P.**, Andem, A. B., Okoro, F. T. (2017). The Influence of Size and Seasons on the Bio-accumulation of Some Heavy Metals in Tissues of *Clarias gariepinus* from Qua Iboe River, Southeastern Nigeria. *International Journal of Zoology Studies*, **2(1), 20 -28. (Corresponding author)**
- ❖ 35) **Joseph, A. P.**, Antai, E. E., Andem, A. B., Okoro, F. T. (2017). Evaluation of the Abiotic Accumulation Factor of some Heavy Metals in Muscles of *Clarias gariepinus* from Qua Iboe River, South-Eastern Nigeria. *International Journal of Zoology Studies*, **2(1), 29 - 38. (Corresponding author)**
- ❖ 36) Ivon, E., Oju, J., Andem, B., **Joseph, A.** and Ndome, C. (2017). Toxicity and Histological Effects of two Liquid Soaps on African Mud Catfish (*Clarias gariepinus*, Burchell, 1822) Fingerlings. *Asian Journal of Environment and Ecology*; **3 (4): 1 – 9. (Corresponding author)**
- ❖ 37) Ivon, E. A., **Joseph, A. P.**, Andem, A. B., Otong, B. E. and Ebari, S. E. (2017). Evaluation of Emerging Threats of Contaminants in Boreholes along Ikot Effanga Dumpsite, Calabar Municipality, Nigeria. *Archives of Current Research International*; **9 (3): 1 – 12. (Corresponding author)**

- ❖ 38) Ivon, E. A., Andem, A. B., **Joseph, A. P.** and Nkereuwem, E. S. (2017). Toxicological Effects of different Concentrations of Hypo Bleach on the Mortality of African Clariid Mud Catfish (*Clarias gariepinus*) Fingerlings. *Asian Journal of Biology*; **4(3): 1 - 7. (Corresponding author)**
- ❖ 39) **Joseph, A. P.**, Eyo V. O., Andem, A.B. and Idung, J. U. (2016). Assessment of some heavy metals in the tissues (Gills, Liver and Muscles) of *Clarias gariepinus* from Calabar River, Cross River state, South-eastern Nigeria. *Journal of coastal life medicine*, **4(6):430-434.**
- ❖ 40) **Joseph, A. P.**, Andem, A.B. and Eyo V. O. (2016). Effects of Some Preservation Method on the Nutritional Quality of *Clarias gariepinus* from Calabar River, South-Eastern Nigeria. *Journal of Nature and Biology*, **6(1): 8-15.**
- ❖ 41) **Joseph, A. P.**, Udofia U. U., Andem, A. B. and Idung, J. U. (2016). Evaluation of the Sediments Quality Using Geo-accumulation Index as an Accumulation strategy in Qua Iboe River, Southeastern Nigeria. *International Journal of Research and Science Publication*, **1(2), 101-109. (Corresponding author)**
- ❖ 42) Udofia, U. U., Antai, E. E., **Joseph, A. P.** and Andem, A. B. (2016). Variances in the Accumulation of some Heavy Metals in Water, Sediments and Muscles of *Clarias gariepinus* with respect to Seasons in Qua Iboe River, Southeastern Nigeria. *International Journal of Research and Science Publication*, **1(2), 110-120. (Corresponding author)**
- ❖ 43) Antai, E. E., Asitok, A. D., **Joseph, A. P.** (2015). Bacterial Growth Efficiency, Respiration and Secondary Production and in the Cross River Estuary, Nigeria and the Near Coast. *International Journal of Science and Research*, **4(10), 1791-1798.**
- ❖ 44) Antai, E. E. and **Joseph, A. P.** (2015). Planktonic Abundance and Diversity in Great Kwa River, Cross River State, Nigeria. *International Journal of Innovative Science, Engineering and Technology*, **2(9), 142-154.**

SUBMITTED ARTICLES UNDER REVIEW (SCOPUS JOURNALS)

- ❖ 45) Zhu, N., Yang, S., **Joseph, A. P.**, Rene, E., Faizan, M., Tang, J., and Wang, Y. (2023). Susceptibility of Fe-organic ligand complexation to nitrate reduction in paddy soil. *Chemical Engineering Journal (Under Review)*. (Q1 Journal; SCI Journal; Impact factor: 15.1)
 - ❖ 46) Wang, Y., Tang, L., Chen, J., **Joseph, A. P.**, Yuan, X. Y., Wu, Y., Rene, E. R., and Zhu, N. Y. (2023). Susceptibility of Cd availability in microplastics contaminated paddy soil: Influence of ferric minerals and sulphate reduction. *Journal of Hazardous Materials (Under Review)*. (Q1 Journal; SCI Journal; Impact factor: 13.6)
 - ❖ 47) Agbo, E., Edet, U. O., **Joseph, A. P.** (2023). Cassava mills effluent drives changes in physico-chemistry, microbial communities, and their functions in soil. *SN Applied Science (Under Review)* (Q2 Journal; Impact factor: 2.60)
 - ❖ 48) Edet, U. O., **Joseph, A. P.**, Obsike, G., Bebia, G. P., Mbim, E., Ugwu, J. C., Umoafia, N. E., Akindele, A. F. I., and Nwaokorie, F. O. (2023). Potential health predicament of goat meat processed with condemned tyres during dehairing in some abattoirs at Calabar Metropolis, Southern Nigeria. *Journal of Food Composition and Analysis (Under Review)*. (Q1 Journal; SCI Journal; Impact factor: 4.3)
 - ❖ 49) Edet, U. O., **Joseph, A. P.**, Basse, I. N., Bebia, G. P., Ogar, A. Y., Dokwo, B. and Mbim, E. N. (2023). Potential health risk and origin of heavy metals in Chicken meat from a large poultry farm at Abak, Akwa Ibom State, South-South Nigeria. *Heliyon (Under Review)*.
 - ❖ 50) Iwok, E. B., **Joseph, A. P.** and Ekanem, S. (2023). Water quality alterations and acute toxicity of lethal concentrations of 2, 2 Dichloro-Vinyl Dimethyl Phosphate (DDVP) on *Clarias gariepinus* (Burchell, 1822) sub-adult. *Egyptian Journal of Aquatic Biology and Fisheries (Under Review)*. (Corresponding author).
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MASTERS THESIS

- 1) **Joseph, A. P.** (2016). Concentration of heavy metals in water, sediment and tissues of *Clarias gariepinus* from Qua Iboe River, Akwa Ibom State, South-South Nigeria (Unpublished M.Sc thesis). Zoology and Environmental Biology Department, University of Calabar, 127pp.
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CONFERENCE PAPERS

- ❖ Eyo, V.O., Xavier, U.J., Okoro, F.T., **Joseph, A.P.** (2018). Prevalence of Protozoan Parasites in African Catfish (*Clarias gariepinus*) from the Calabar River, Cross River State, Nigeria. Fisheries Society of Nigeria (FISON) Conference, Lagos State University, Ikorodu, Nigeria on 29th October to 2nd November, 2018.
 - ❖ **Joseph, A.P.**, Okoro, F.T., Eyo, V.O. (2018). Toxicological effect of Cypermethrin on steroid sex hormones level (17 β) estradiol and Testosterone of *Clarias gariepinus* sub-adult. Fisheries Society of Nigeria (FISON) Conference, Lagos State University, Ikorodu, Nigeria on 29th October to 2nd November, 2018.
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LANGUAGES

- ❖ English Language: proficient in both written and oral English with good and effective communication skills
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REFEREES

1) ASSOCIATE PROFESSOR UWEM EDET

Arthur Jarvis University, Akpabuyo,
Cross River State, Nigeria.
Email: uwemedet27@gmail.com
Phone No.: +2348036197909

2) PROFESSOR EKPO EYO ANTAI

The Dean, Faculty of Oceanography,
University of Calabar, Calabar,
Cross River State, Nigeria.
Email: ekpo.eyoa@yahoo.com
Phone No: +2348037454788