**CURRICULUM VITAE**

**OMUKU, PATRICK ENUNEKU** *(B.Sc., M.Sc., Ph.D)*

**Contact**: Pure & Industrial Chemistry Department, Nnamdi Azikiwe University, Awka

P.M.B. 5025, Awka Anambra State, Nigeria

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**INSTITUTIONS ATTENDED/ACADEMIC QUALIFICATIONS**

|  |  |  |
| --- | --- | --- |
| **Institution Attended** | **Degree** | **Year** |
| Nnamdi Azikiwe University, Awka | Ph.D. | 2011 |
| Nnamdi Azikiwe University, Awka | M.Sc. (Distinction) | 2008 |
| University of Ibadan (U.I) | B.Sc. ***( First Class )*** | 2005 |
| IMG Grammar School, Ibadan | O/L WAEC (9 Credit) | 1997 |

 State Origin -----------------------------DELTA

 L.G.A -------------------------------------UKWUANI

 Sex --------------------------------------- Male

 Marital Status -------------------------- Married

 No of Children ------------------------- Three

**TEACHING/RESEARCH EXPERIENCE (SS-1768)**

* *Graduate Assistant Lecturer………….2006 to 2008*
* *Assistant Lecturer …………………… 2008 to 2009*
* *Lecturer II …………………………… 2009 to 2015*
* *Lecturer I ………………………………2015 to 2018*
* *Senior Lecturer …………………… 2018 to Date*

**PGD STUDENTS SUPERVISED (completed).**

* ORJI LUCY CHINENYE (NAU/ 2018545006F) Application of Enzyme-Link Immunosorbent Assay for Aflatoxin Content Evaluation of Different Powdered Milk in Awka Metropolis------- May 2021
* ADUMA JULIET (NAU/2011625018F): Investigation of Ethanol Productivity of Mirabilis jalapa Crop as a Sustainable Source of Biofuel in Nigeria…….September, 2012.
* MADU EBERE RITA (NAU/2012545002F) : Comparative Evaluation of Lycopene & Heavy Metal Contents of two Species of Tomatoes Within Awka Metropolis…. July, 2014
* NWOBA EZEKIEL FRIDAY (NAU/2012545023f): Comparative Analysis of Antinutritional Factors in Edible Leafy Vegetables Within Awka Metropolis……..May, 2014.

**PROFESSIONAL ASSOCIATIONS**

* Member, Chemical Society of Nigeria (MCSN)
* PRO – Anambra State Chapter of Chemical Society of Nigeria (ANACHEM) 2010 to 2014.

**APPOINTMENTS / POSITIONS HELD**

* Editor & member, Journal of Basic Physical Research 2021 to date
* Member, National Water Resources Capacity Building (NWRCB) Network – N.A.U./ South East Steering Team, 2010 to 2014.
* Member, Faculty of Physical Sciences Welfare Committee, N.A.U. 2010 to 2014.
* Departmental Cordinator SIWES 2008 to 2014
* Appointment as Member ASUU-NAU Research , Grant, Publication & Library Committee 2012

**CHAIRMANSHIP OF SOCIETY**

* CHAIRMAN: *ERUDITE FORUM FOR PROFESSIONALS IN ANAMBRA STATE.*
* CHAIRMAN:  *OKOWA FANS CLUB, NIGERIA*
* NATIONAL PRESIDENT: *NATIONAL FORUM FOR SOUTH EAT PRESIDENCY*

 **ACADEMIC/PROFESSIONAL AWARDS**

* NYSC Anambra State Award for Distinguished and Selfless Service Batch B 2005.

**CREATIVE OUTPUT:**

1. P.E. Omuku, A.F. Udokwu, and H.A Onwumelu (2018). Comparative Assessment of Physiocochemical Properties of some Commercially and Locally Blended Engine Oils within Awka Metropolis. *Agricultural Extention Journal, Asia*. 2(1): 51-56.
2. P.E. Omuku, H.A Onwumelu and E.O. Atueyi (2018). Production & Characterization of Pulp & Paper from Locally Sourced Pineapple Crown Leaf Ananas comosus and Corn Husk Zea mays. *Agricultural Extention Journal, Asia*. 2(1): 57-61.
3. Okerulu, I.O., **Omuku, P.E**., Onwumelu, H.A. and Okoye, P.A.C (2015), Assessment of the Phytochemicals, Proximate and Elemental Composition of *Chysophyllum Africanum* (Udara). ***Innovation Journal of Food Science, (Academic Science),*** 3(1):1-3.
4. Abugu, H.O., Okoye, P.A.C., Ajiwe, V.I.E., **Omuku, P.E**. and Umeobika,U.C (2015), Preparation and Characterization of Activated Carbon Produced from Oil Bean (Ugba or Ukpaka) and Snail Shell. ***J. Environ. Anal. Chemistry,*** 2(6):1-17.
5. **Omuku P.E ,**Onwumelu H.A and Alisa C.O ( 2014 ), Comparative Analysis of Selected Heavy Metals in Green Leafy Vegetables and Instant Noodles Sold in

Eke-Awka Market Awka, Anambra State. ***Journal of Environmental Science******and Water Resources,*3(9): 209 – 213.**

1. H.O Abugu, P.A.C Okoye, and **P.E. Omuku** (2013)Evaluation of the Speciation Patterns of some Heavy Metals Along the Major Roads of Owerri Industrial Layout.**IOSR Journal of Applied Chemistry(IOSR-JAC)**: 3(5);67-78***. www.iosrjournals.org***
2. A.K. Asiagwu, **P.E Omuku** and C.O. Alisa (2013)Kinetic Model for the Removal of Methyl Orange(Dye) From Aqueous Solution Using Avocado Pear(*Persea Americanan*)Seed. **Journal of Chemical, Biological and Physical Sciences, An International Peer Review E-3 Journal of Sciences,** 3(1);48-57. ***www.jcbsc.org***
3. **P.E. Omuku,** P.A.C.Okoye and P.N.Ekemezie (2012)Distribution Patterns of Heavy Metals in the Soil Sediment within New auto Spare Parts, Nkpo-Agu, Anambra State, Nigeria. **J. Chem. Soc. Nigeria**.37(1):33-38. ***02af665.netsolhost.com/jcsn12012.html***
4. **P.E Omuku,** I.E. Okoye, C.O.Okeke, and V.N. Okafor (2012),Comparative Analysis of Bottled and Galvanised Canned Soft Drinks in Nigeria. **J. Int. Environmental Application & Science, Turkey**,7(1):55-61 , [***http://www.jieas.com.ISSN-1307-0428***](http://www.jieas.com.ISSN-1307-0428)
5. **Patrick, E Omuku,** H.O Abugo and K.A Uduma , (2012), Evaluation of pH and Total Dissolved Solid of Borehole Waters in Three Local Government Area of Imo State, **J. Int. Environmental Application & Science, Turkey**, 7(1):62-65 , ***http://www.jieas.com. ISSN-1307-0428***
6. Okoye A.C. Odumegu, C.O and **Omuku P. E** (2012)Evaluation of the Level of Safety Consciousness in Municipal Waste Management in Anambra State. **Jouranl of Environmental Management and Safety,** 3(1): 90-96. [***www.cepajournal.com***](http://www.cepajournal.com)***.***
7. A.K. Asiagwu, P.E. Omuku , J.I Odiachi & V.N.Okafor (2011), Kinetic Model of the Sorption of Cu2+ & Pb2+ from Aqueous Solution Using Carbonized Treculia Africana Husk as Biomass. **J. Int. Environmental Application & Science, Turkey**,6(2):187-195 , [***http://www.jieas.com.ISSN-1307-0428***](http://www.jieas.com.ISSN-1307-0428)
8. H.A. Onwumelu, **P.E. Omuku,** V.I. Onwukeme and P.N. Ekemezie (2011). Potential of Water Hyacinth for Phytoremediation of Polluted Aquatic Environment. **Journal of Basic Physical Research, NIGERIA.** 2(1):70-74. [***www.jbasicphyres-unizik.org***](http://www.jbasicphyres-unizik.org)***. ISSN:2141-8403.***
9. V.I. Onwukeme, **P. Omuku,** and P.M. Nwako (2011). Extraction and Characterization of Dialium guineense and Huru Crepitans Seed Oils for Industrial Application, **World Journal of Biotechnology. NIGERIA.**12(1):1782-1788. ***www.jsetjournals.org.ng.ISSN:1119-0957***
10. V.I. Onwukeme and **P. Omuku** (2011). Studies on Preliminary Phytochemical and Antimicrobial Screening of the leaf Extracts of **Anthodeisita djalonensis. African Journals Sci.** 12(1): 2876-2883.[***www.jsetjournals.org.ngISSN:1595-1428***](http://www.jsetjournals.org.ngISSN:1595-1428)
11. H.A. Onwumelu, **P.E. Omuku**, P.M. Nwako and V.I. Onwukeme (2011). Production of a Suitable Binder from A Local Raw Material and Subsequent Paint Formulation, **J.Sci. Engr. Tech. Nigeria.** 18(2):10178-10187**.** [***www.jsetjournals.org.ng***](http://www.jsetjournals.org.ng) ***ISSN:1117-4196***
12. **P.E. Omuku,** P.A.C. Okoye, H.A. Onwumelu and T.N.A. Egwuatu (2010). Speciation of Selected Heavy Metals in the top soil within Neimeth International Pharmaceutical Company, Oregun, Lagos. Anachem Journals. 4(2):852-858.[**www.anachem.org**](http://www.anachem.org) **ISSN:2006-5221 .**
13. **P.E. Omuku,** P.A.C. Okoye, A.C. Okoye and H.A. Onwumelu (2010). Partitioning of Selected Heavy Metals in Nnewi, A busy city in Aanmbra State, Nigeria. **J. Int. Eng. Application and Sci. Turkey** 5(5):713-719. [***http://www.jieas.com.***](http://www.jieas.com.ISSN-1307-0428)
14. H. A. Onwumelu, **P.E. Omuku, and** V. I. Onwukeme (2010). Extraction and Analysis of **Bracheystegia** Oil Possibly Suitable as Technical Oil. **J. Applied Science, NIGERIA.** 14(2): 9892-9899. ***www.jsetjournals.org.ng ISSN:1119-0965***
15. **Omuku, P.,** Okoye, P. A. C. and Ekemezie, P.N. (2010). Sepeciation of Nickel and Chromium within the Soil Sediment of Onitsha Metropolis, Anambra State, Nigeria, **African Journal of Science, Nigeria.** 11(1):2628-2637. [***www.jsetjournals.org.ng***](http://www.jsetjournals.org.ng) ***ISSN: 1595-1428***
16. ONWUMELU, H.A , **Omuku, P.** and Nwako, P.M. (2010). Potential Threat of Okueka Local Town Water Supply, Asaba Town, Delta State. **African Journal of Science, Nigeria.** 11(1):2547-2552.[***www.jsetjournals.org.ng***](http://www.jsetjournals.org.ng) ***ISSN: 1595-1428***
17. Onwumelu, H. A., **Omuku, P.** and Nwako, P.M (2010). Establishment of Optimum Temperature and Composition for Putty Production Using Calcium Carbonate and Linseed Oil. **Journal of Applied Sciences, Nigeria,** 13(3):9364-9373. [***www.jsetjournals.org.ng***](http://www.jsetjournals.org.ng) ***ISSN: 1119-0965***
18. Onwumelu, H. A., **Omuku, P.** and Nwako, P.M. (2010). Extraction and Characterization of Crude Castor Oil Seed. **Journal of Applied Sciences, Nigeria,** 13(3):9337-9343.[***www.jsetjournals.org.ng***](http://www.jsetjournals.org.ng) ***ISSN:1119-0965***
19. **Omuku, P.,** Okoye, P.A.C., Onwumelu, H. A. and Ogor S.O. (2010). Distribution Pattern of Chromium and Nickel in the Topsoil within Awkuzu Area of Anambra State, Nigeria. **Anachem Journal, Nigeria.** 4(1): 611-617. ***www.anachem.org ISSN:2006-5221***
20. **Omuku, P.** Okoye P.A.C. Onwumelu, H.A and Iloh, E.O. (2010). Speciation Pattern of Selected Heavy Metals in the Sediments of Roadside Gutters within Awka Metropolis, Anambra State, Nigeria. **International Journal of Physical Science, Ghana,** 2(4): 74-82.***centrejournal@yahoo.com***
21. **Omuku, P.**, Onwumelu H.A. and Egwuatu, C.T. (2010) Formulaiton of Biphase clearing agents and their clearing effects on oily soiled metal substrates. **Journal of Physical Sciences and Innovations, Nigeria** 2, 123-132.[***www.cenresin.org***](http://www.cenresin.org)
22. **Omuku, P.,** Woods, J.A.O. and Asiagwu, A.K. (2010). Characterization of copper II complexes of Picolin and Pyridine for Industrial utilization. **Journal of Ultra Chemistry, India.** 6(1):**1-6. *www.ultrascientist.org.ISSN:0973-3450, IMPACT FACTOR 0.083***
23. Asiagwu, A.K., Okoye, P.A.C and **Omuku, P**. Asiagwu, A. K. and Okoye P.A.C (2009). Utilization of Corncobs in the Remediation of toxic Metals in Industrial Effluents. **World Journal of Biotechnology, Nigeria,** 10(1): 155-1556. ***www.jsetjournals.org.ng. ISSN:1119-0957***
24. **Omuku, P.** (2009). Suitability of conophor Oil for the Production of Alkyd resins and surface Coatign. **International Journal and Applied Sciences, Nigeria,** 5(2):181-183. [***www.tapasinstute.org/journals***](http://www.tapasinstute.org/journals)
25. **Omuku, P.,** Asiagwu, A.K. and Okoye, P.A.C.(2009). Impact Assessment of the Activities of the Shell Development Company (SPDC) in Ex-sehara beach, Warri Delta State, Nigeria. **African Journal of Sciences, Nigeria.** 10(1):2386-2393. [***www.jsetjournal.org.ng.ISSN:1428***](http://www.jsetjournal.org.ng.ISSN:1428)
26. **Omuku, P.,** Asiagwu, A.K. and Onwumelu, H.A. (2009). Elemental Analysis of Locally made toothpaste brands in Nigeria. **Journal of Science Engineering and Technology (Nigeria).** 16(3): 9074-9081.[**www.jsetjournals.org.ng.ISSN**](http://www.jsetjournals.org.ng.ISSN)**: 1117-4196**
27. **Omuku, P.** aqnd Onwumelu, H.A. (2009). Assessment of Selected Heavy Metal Bioaccumuations in the fish samples from Eke-Awka Market, Anambra State **Journal of Applied Science (Nigeria).** 12(3): 8667-8672.[***www.jestjournals.org.ng***](http://www.jestjournals.org.ng)***. ISSN:1119-0965***
28. **Omuku, P.,** Onwumelu, H.A. and Egwuatu, C.I. (2009). Comparative Analysis of a locally made beverage (Kunu) with a non-alcoholic Malt Drink. **Journal of Applied Science (Nigeria).**12(3):8763-877 [***www.jestjournals.org.ng.ISSN:1119-0652***](http://www.jestjournals.org.ng.ISSN:1119-0652)***.***
29. **Omuku, P,** Asiagwu A.K. Okeke, J.J. and Anyamene, C.O. (2009). Phytochemical Analysis and Antimicrobial Activity Test on the Leaves of Croton Zambesicus. **Journal of Research in Bioscience (Nigeria),** 6(2):79-83.[***www.irdionline.org.ISSN:1597-801X***](http://www.irdionline.org.ISSN:1597-801X)
30. **Omuku, P.,** Onwumelu, H.A. and Egwuatu, C.I. (2009). Preliminary Phytochemical and Atibacterial Properties of the Crude Extracts of the Crude Extracts of the Leaves Anthoncleista Djalonenisi and Manihot esculenta. **Journal of Biomedical and Health Development JBHD (Nigeria),** 2(1):7-13. [***www.iirasj.com***](http://www.iirasj.com)***.***
31. **Omuku, P.,** Okeke, J.J., Asiagwu, A.K. and Okoye, P.A.C. (2009). Heavy Metal Speciation Patterns in Refuse Dump Sediments of Awka City Nigeria. **Journal of Chemical Society of Nigeria.** 34(2):***17-23. 02af665.netsolhost.com/jcsn22009.html***
32. Asiagwu, A.K. Okoye, P.A.C. and **Omuku, P**. (2009). Sorption Potential of Waste Tyre for some heavy metals in Aqueous solution. **Leonardo Journal of Sciences (Asia).** 8(14): 227-234. [***http://ijs.academicdirect.org.ISSN:15830233***](http://ijs.academicdirect.org.ISSN:15830233)
33. **P. Omuku**, A.K. Asiagwu, A.J.Chinweuba and P.A.C. Okoye (2008), Assessment of Heavy metal load of Owah-Abbi (Ethiope), River, Delta State, Nigeria, **Orient. J. Chem.** 24(3):813-820. *.****www.orientjchem.org. ISSN: 09070-020X***
34. Asiagwu, A.K. Ilabor, S.C. **Omuku, P.** and Onianwa, P.C. (2007). Concentration and speciation patterns of some heavy metals in streams sediment in urban city in Nigeria. **Bioscience, Biotechnology, Research Asia**. 4(2): 513-520.[***www.biotech-asia.org***](http://www.biotech-asia.org)***. ISSN: 0973-1245***
35. **I**labor, S.C. Asiagwu A.K. Onianwa, P.C. and **Omuku, P**. (2007). Distribution Patters of some heavy metals in stream sediments in Ibadan, Nigeria. **Oriental Journal of Chemistry, Bhopal (India).** 23(3):887-896 *.*www.orientjchem.org. ISSN: 09070-020X
36. Asisgwu, A.K., Okoye, P.A.C. and **Omuku, P**. (2007). Assessment of the Toxicological Potential of Cassava Processed Products in Nigerian Market. **Journal of Pure & Applied Microbiology, (India). 1(2):211-214.** [***www.microbiologyjournal.org***](http://www.microbiologyjournal.org)***. ISSN:0973-7510***

 **BOOKS**

1. **Omuku, P.E** (2010), Introduction to Basic Physical Chemistry. (Step-By-Step Classroom Approach) , Chivicson Ventures, Awka , ( Second Edition 2012).
2. **P.E. Omuku** and Uzo Onuigbo (2014) Simplified Basic Physical Chemistry. Chivicson Geo. Exp.Nig Ltd.
3. Onuegbu, T.U., Onwukeme V.I and **Omuku P.E** (2010), General Basic Inorganic Chemistry, Chivicson Ventures, Awka

**CONFERENCE PROCEEDINGS**

1. **Omuku, P.E.,** Okoye, P.A.C. and Abugu, H.O. (2011). Comparative Analysis of Hair Care Products (Relaxer)in Onitsha Main Market, Anambra State. **Proceedings of the 34th Annual International Conference of Chemical Society of Nigeria (Kwara 2011)** pp INDO23 - INDO26..
2. H.O.abugo, **P.E. Omuku,** N.F. Eleke & L.O. Eke (2012), Assessment of the \Efficacy of Garlic (*Allium sativum*) Extract on Vaginal Yeast Organism (*Candida albican*) **Proceedings of the 35th Annual International Conference of Chemical Society of Nigeria (Heartland, Owerri, 2012)**,pp.24-27
3. H.O.Abugo, A.K Uduma, H. Ade and **P.E. Omuku** (2012), Isolation, Partial Purification and Determination of the Kinetic Constant of Beta-amylase from Potato Tuber. **Proceedings of the 35th Annual International Conference of Chemical Society of Nigeria (Heartland, Owerri, 2012)**,pp.310-313

 **RESEARCH AREA OF INTEREST**

1. ***Environmental / Analytical/Physical Chemistry:*** With Special Interest in the Investigation of Agro-Wastes Potential for the Treatment of Industrial Waste & Speciation of Toxic Metals in The Soil, Water and Air

**REFEREES**

1. PROF. OKOYE P.A.C ; PURE AND INDUSTRIAL CHEMISTRY DEPARTMENT

 08037785674 NNAMDI AZIKIWE UNIVERSITY, AWKA

1. ASS. PROF. ONWUMELU H.A PURE AND INDUSTRIAL CHEMISTRY DEPARTMENT

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1. PROF. EBOATU, A.N PURE & INDUSTRIAL CHEMISTRY DEPARTMENT,

 08068511570 NNAMDI AZIKIWE UNIVERSITY, AWKA