

# CURRICULUM VITAE

**NAME:** Ezeokonkwo, Mercy Amarachukwu  
**AREA OF SPECIALIZATION:** ORGANIC CHEMISTRY  
**SEX:** FEMALE  
**MARITAL STATUS:** MARRIED  
**MAIDEN NAME:** Nnabugwu, Mercy Amarachukwu  
**NATIONALITY:** Nigerian  
**PERMANENT HOME ADDRESS:** Ezeotakwu Ward, Ikenga, Aguata LGA;  
Anambra State, Nigeria  
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**NEXT OF KIN:** ENGR J. C. EZEOKONKWO  
**RELATIONSHIP:** HUSBAND  
**QUALIFICATIONS:** N. C. E. (Bio/Chem) Alva Ikoku , Owerri, 1988; B.Sc (Chem) Unical,  
1995; M.Sc (Organic Chem) Nig., 1999; Ph.D (Organic Chem) Nig.,  
2010.

## EMPLOYMENT STATUS:

**Employer:** University of Nigeria, Nsukka. **Rank:** Senior Lecturer

**Area of Specialization:** Organic Chemistry

**Research interest:** Synthetic Organic Chemistry; Synthesis, Characterization and Biological activity of functionalized Phenothiazines and Phenoxazines; Synthesis and Structure activity Relationship of Heterocyclic Compounds including Sulphonamides, Imidazoles and Thiozoles; Extraction, Isolation and Phytochemical Studies of Active agents in plants of Pharmaceutical and Industrial interest.

## PROFESSIONAL AFFILIATIONS

- (i) Member, Chemical Society of Nigeria (CSN) (CSN/ENU/06/010) 2006
- (ii) Member, Institute of Chartered Chemists of Nigeria (ICCON) (ICC NO 1/3/07/0778) 2007
- (iii) Member, Royal Society of Chemistry, London
- (iv) Member, Organization for Women in Science for the Developing World (OWSD)

### **WORKSHOPS ATTENDED:**

- (i) Participant, US/Africa workshop on Nanotechnology & Nanoscience, University of Nigeria, Nsukka, 2008
- (ii) Participant, ICCON Mandatory Training Workshop, Lagos, 2008
- (iii) Participant, 2-day National Symposium on Nuclear Research and Development, University of Nigeria, Nsukka, 2008
- (iv) Participant, Post Congress Workshop on Scientific writing organized by AuthorAid in collaboration with Royal Society of Chemistry London and syngenta International research centre United Kingdom, Addis Ababa, Ethiopia, 28/11/2012 to 29/11/2012

### **CONFERENCES ATTENDED:**

- (i) 26<sup>th</sup> Annual International Conference of Chemical Society of Nigeria, Lagos, 2006.
- (ii) 30<sup>th</sup> Annual International Conference of Chemical Society of Nigeria Abuja, 2007
- (ii) 12<sup>th</sup> Annual International Conference of Chemical Society of Nigeria, Enugu Chapter, CoalcityChem Enugu, 2008
- (iii) 31<sup>st</sup> Annual International Conference of Chemical Society of Nigeria, Warri, 2008.
- (iv) 13<sup>th</sup> Annual International Conference of Chemical Society of Nigeria, Enugu Chapter, CoalcityChem Enugu, 2010
- (v) 33<sup>rd</sup> Annual International Conference of Chemical Society of Nigeria, Ogun 2010
- (vi) 6<sup>th</sup> Annual International Conference of Society for occupational safety and environmental health, Nsukka
- (vii) Annual International Conference of Chemical Society of Nigeria, Kwara 2011
- (vii) 13<sup>th</sup> Annual International Conference of Chemical Society of Nigeria, Enugu Chapter, CoalcityChem Nsukka, 2012
- (viii) Pan African Chemistry Network Congress, Organized by pan African chemistry Network (PACN) In collaboration with federation of African society of Chemistry (FASC), Addis Ababa, Ethiopia, 2012
- (ix) 37<sup>th</sup> Annual International Conference of Chemical Society of Nigeria, Akwa Ibom 2014
- (x) 38<sup>th</sup> Annual International Conference of Chemical Society of Nigeria, Abuja 2015

### **PUBLICATIONS:**

1. U. C. Okoro, **M. A. Nnnabugwu**, and C. A. Nwadinigwe (2008); Synthesis of some new diaza-analogues of angular phenothiazine as stable cyclic quinoneimines; *International Journal of Chemistry*, **18** (4), 171-180.

2. **M. A. Nnabugwu** and P. O. Ukoha (2008), Dyeing potentials of tannins of the exudates of *Eucalyptus citriodora*; *Proceedings of the 12<sup>th</sup> Annual international conference of Chemical Society of Nigeria, Enugu Chapter*, 84-87.
3. **M. A. Nnabugwu** and P. O. Ukoha (2010); Hydrolysable tannins from the “kinos” of *Eucalyptus citriodora*: potentials for the manufacture of Dyes for Textiles; *International Journal of Chemistry*, 20 (3), 131-140.
4. **M. A. Nnabugwu**, U. C. Okoro, C. A. Nwadinigwe and L. E. S. Akpanisi (2011), Synthesis of 1,9,11-triaza phenothiazine derivatives; *International Journal of Chemistry*, **21** (3), 201-206.
5. U. C. Okoro, A. Utime and **M. A. Nnabugwu** (2011),(Accepted for publication); Synthesis of functionalized triphenodioxazines via palladium catalyzed cross-coupling reactions; triphenodioxazines via palladium catalyzed cross-coupling reactions; *International journal of Chemistry*.
6. **M. A. Ezeokonkwo** and U. C. Okoro (2012); New Dyes for petroleum products; *Journal of Emerging Trends in Engineering and Applied Sciences*, **3** (1), 8-11.
7. N. J. Nnaji, N. O. Obiegbedi and **M. A. Nnabugwu** (2012); Kinetics and Thermodynamics of Aluminium corrosion by HCl solution in the presence of Anthocleista djalonensis leaf extract, *International Journal of Chemical Sciences.*, **10** (1), 182-194.
9. **M. A. Ezeokonkwo**, P. O. Ukoha and N. J. N. Nnaji (2012); Green inhibitor for aluminium and mild steel in acidic media: A case study of Exudates of *Eucalyptus citriodora*, *International Journal of Chemical Sciences*. 10 (1), 1365-1573.
10. N.J.N. Nnaji<sup>1</sup>, C.O.B. Okoye, N.O. Obi-Egbedi, **M.A.Ezeokonkwo** and J.U.Ani (2013); Spectroscopic Characterization of Red Onion Skin Tannin and It’s use as Alternative Aluminium Corrosion Inhibitor in Hydrochloric Acid Solutions, *Int. J. Electrochem. Sci.*, 8, 1735 – 1758.
11. **M. A. Ezeokonkwo**, U. C. Okoro and J. I. Okeke (2014), Effect of method of preparation on the nutritrional value of *Monodora myristica* seeds (African Nutmeg), *Proceedings of the 37<sup>th</sup> Annual International Conference, Workshops and Exhibition of Chemical Society of Chemistry of Nigeria (CSN)*, Vol. II, 135-141.
12. M. A. Ezeokonkwo, U. C. Okoro and E. U. Godwin-Nwakwasi (2014), Heavy Metal

- Contamination of soil around the vicinity of some refuse dumps in Nsukka, Nigeria, Proceedings of the 37<sup>th</sup> Annual International Conference, Workshops and Exhibition of Chemical Society of Chemistry of Nigeria (CSN), Vol. II, 142-147.
13. M. A. Ezeokonkwo, F. O. Ugwuona and I. C. Ugwu (2015) Synthesis and Antibacterial Study of Some Alkynylated Benzo[a]phenoxazin-5-one and 1,4-Naphthoquinone Derivates, Asian J. Chem., Vol. 27 (10), 3843-3850.
  14. M. A. Ezeokonkwo, S. N. Okafor (2015), Proximate Composition and Mineral Analysis of *Mucuna utilis* (Velvet Bean), IOSR-J. Applied Chem., Vol. 8 Issue 10 ver. 1, 42-45.
  15. U. C. Okoro, M. A. Ezeokonkwo, E. A. Ujah and R. N. Nwelo (2015), Synthesis of Highly Functionalized Angular Azaphenoxazines and Related Benzo Analogues via Suzuki-Miyaura cross-coupling reaction, Asian J. Chem., Vol. 28 (2), 317-324.
  16. M. A. Ezeokonkwo and S. N. Okafor (2015) Phytochemical Analysis and Antimicrobial Activity of methanol Extract of the Leaves of *Mucuna utilis* (Velvet Beans), International J. Applied Chem. Vol. 11 (5) 545-551.
  17. M. A. Ezeokonkwo, S. N. Okafor and E. U. Godwin-Nwakwasi (Accepted for publication, 2016) Preliminary Characterization of some natural Dyes, Oriental J. Chem., Vol. 32 (2).
  18. E.U. Godwin-Nwakwasi, U. C. Okoro, A. U. Ijeoma and M. A. Ezeokonkwo (2017), Palladium catalyzed Transformation and Antimicrobial screening of Novel Angular Azaphenothiazines, Asian J. Chem. Vol. 29 (4), 742-748.
  19. S. N. Okafor, W. Obonga, M. A. Ezeokonkwo, J. Nurudeen, U. Orovwigho, and J. Ahiabuike (2016), Assessment of the Health implications of Synthetic and Natural Food Colourants – A Critical Review, *UK Journal of Pharmaceutical and Biosciences*, Vol. 4(4), 01-11.
  20. O. F. Offor., J. U. Ani, and M. A. Ezeokonkwo (2016), Effects of Coal ranks and Coal-biomass composite on the removal of heavy metals (Cadmium and Lead) from aqueous solutions, Proceedings of 46<sup>th</sup> Annual General Conference and Exhibition of Nigerian Society of Chemical Engineers, 322-330.