

CURRICULUM VITAE

OF

DR ROMANUS NWACHUKWU EKERE

B. Sc (hons), M. Sc., Ph.D., C. Chem, MCSN

CURRICULUM VITAE

A. PERSONAL DATA:

- (I) NAME: DR. EKERE ROMANUS NWACHUKWU
- (II) DATE AND PLACE OF BIRTH: 25TH APRIL, 1964, ENUGU-EZIKE
ENUGU STATE.
- (III) PERMANENT HOME ADDRESS: IKPUIGA, ENUGU-EZIKE IGBO-EZE
NORTH L.G.A. ENUGU-STATE.
- (IV) NATIONALITY: NIGERIAN
- (V) CURRENT ADDRESS. DEPARTMENT OF PURE &
CHEMISTRY, UNIVERSITY OF
NIGERIA, NSUKKA
- (V) PHONE NO. +2348037417138
- (VI) E-MAIL nwachukwu.ekere64@gmail.com;
nwachukwu.ekere@unn.edu.ng.
- (VII) RANK: SENIOR LECTURER
- (VIII) MARITAL STATUS: MARRIED
- (IX) NUMBER & AGE OF CHILDREN: 6

B. INSTITUTIONS ATTENDED, DATES & QUALIFICATIONS OBTAINED

1. COMMUNITY PRIMARY 1971-1977 F.S.L.C. (CREDIT LEVEL)
SCHOOL, IKPUIGA,
ENUGU – EZIKE
2. BOYS, HIGH SCHOOL 1978-1983 WASC (8 CREDITS)
EKPOSHI.
3. UNIVERSITY OF 1984-1988 B.Sc (hons) CHEMISTRY
NIGERIA, NSUKKA EDUCATION (FIRST
CLASS)
4. UNIVERSITY OF 1992-1994 M.Sc SYNTHETIC
NIGERIA, NSUKKA ORGANIC CHEMISTRY
5. FEDERAL UNIVERSITY 1999-2005 Ph.D ANALYTICAL CHEMISTRY
OF TECHNOLOGY, OWERRI.

C. POST QUALIFICATION EXPERIENCE	DATE:
1. LECTURER, DEPARTMENT OF CHEMISTRY. COLLEGE OF EDUCATION (NYSC) P.M.B.1033, ANKPA, KOGI STATE	1988-1991
2. LECTURER IN CHEMISTRY ANAMBRA STATE COLLEGE OF EDUCATION P.M.B. 5011, AWKA, ANAMBRA STATE	1991-1992
3. CHIEF LECTURER IN CHEMISTRY INSTITUTE OF MANAGEMENT & TECHNOLOGY, P.M.B. 01079, ENUGU, ENUGU STATE.	1992-2010.
4. LECTURER IN CHEMISTRY DEPT. OF PURE AND INDUSTRIAL CHEMISTRY UNIVERSITY OF NIGERIA, NSUKKA.	2010—DATE.
5. PART TIME LECTURER IN CHEMISTRY, NATIONAL OPEN UNIVERSITY OF NIGERIA, ENUGU STUDY CENTRE.	2007 – DATE

D. CURRENT RESEARCH:

Speciation of heavy metals in environmental and food samples.

E. PUBLICATIONS:**(a)****Journal Articles**

1. **Ekere N R**, Utazi J I, Ihedioha J N, Eze I S, Alum O L and Ogbefi- Chima F (2016) Speciation and bioavailability of Cd, Cu and Cr in Agricultural soils amended with biosolids, *Int. J. Chem. Sci.* 14(4), 2016, 2292-2308
2. Ihedioha, J. N., Amu, I. A., **Ekere, N. R.** and Okoye, C.O.B. (2016) Levels of some trace metals (Pb, Cd and Ni) and their possible health risks from consumption of selected fish and shellfish from Nigerian markets, *Int Food Res J* 23(6): 2557-2563

3. J.N. Ihedioha, O.T. Ujam, C. O. Nwuche, **N. R. Ekere** & C.C. Chime (2016): Assessment of heavy metal contamination of rice grains (*Oryza sativa*) and soil from Ada field, Enugu, Nigeria: Estimating the human health risk, *Human and Ecological Risk Assessment: An International Journal*, DOI: 10.1080/10807039.2016.1217390 (**IF =1.306**)
4. Ukoha PO, **Ekere NR*** and Uzodinma IO (2016) Assessment of antioxidant capacities and phenolic contents of nigerian cultivars of onions (*allium cepa l*) and garlic (*allium sativum l*) Pak. J. Pharm. Sci., .29(4).1183-1188 (**IF= 0.682**)
5. J. N. Ihedioha . P. O. Ukoha . **N. R. Ekere** (2016) Ecological and human health risk assessment of heavy metal contamination in soil of a municipal solid waste dump in Uyo, Nigeria; *Environ Geochem Health* DOI 10.1007/s10653-016-9830-4 (**IF=2.57**).
6. **Ekere NR**, Ukoha PO, Udeogu UV, Ihedioha JN & Agbazue VE (2015): Human Exposures and Potential Health Hazard Assessment of Hg and Pb in Some Major Imported Frozen Fish Species in Nigeria, *Human and Ecological Risk Assessment: An International Journal*, DOI: 10.1080/10807039.2015.1078224 (**IF =1.306**)
7. ***Ekere NR**, Agwogie AB, Ihedioha JN. (2016), Studies of biosorption of Pb^{2+} , Cd^{2+} and Cu^{2+} from aqueous solutions using *Adansonia digitata* root powders. *Int J Phytoremediation*, 18(2): 116 - 125 (IF=2.09).
8. V.E. AGBAZUE, **N.R. EKERE** and M.I. SAMIRA (2015), Physico-chemical Parameters and Heavy Metal Levels in Water and Fish Samples from River Jakara and Jakara Dam, Kano State, Nigeria. *Asian J Chem*, 27 (10) : 3794-3798 (IF=)
9. Ukoha, PO, ***Ekere, NR**, Timothy CL & Agbazue, V.E (2015), Benzene, Toluene, Ethylbenzene And Xylenes (Btex) Contamination Of Soils And Water Bodies From Alkyd Resin And Lubricants Industrial Production Plant. *J Chem Soc Nigeria* 40(1): 51-56.
10. Ukoha PO, *** Ekere NR** & Opara IJ (2015) Studies On Extraction Of Co (Ii) Ions From Aqueous Solution Using 1,5-Dimethyl- 2- Phenyl-4-[(E)-(2,3,4-Trihydroxyphenyl)Diazenyl]-1,2-Dihydro-3h-Pyrazol-3-one, *J Chem Soc Nigeria* 40(1): 12-19.
11. V. E. AGBAZUE*, **N. R. EKERE** and Y. SHAIBU (2015), Assessment of the Levels of Phosphates in detergents samples. *Int. J. Chem. Sci.:* 13(2), 771-785. (Scimago).
12. ***N. R. Ekere1**, J. N. Ihedioha1, T. I. Oparanozie1, F. I. Ogbuefi-Chima2 and J. Ayogu (2014) , Assessment of some heavy metals in facial cosmetic products, *J Chem Pharma Res*, 6(8):561-564 (Scimago)
13. **N. R. Ekere***, J. N. Ihedioha And Agwogie Aiyehirue Bright (2014), Synthesis of Potash Alum from Waste Aluminum Foil and Aluminum Scrap, *Int. J. Chem. Sci.:* 12(4): 1145-1152 (Scimago).

14. **Ekere N. R.**, Okoye C. O. B. and Ihedioha J. N. (2014). Novel simultaneous spectrophotometric determinations of Bi (III), Sn (II), Mn (II), V (III) and Se (II) ions in mixed aqueous solutions. *J Chem Pharm Res*, 6(8):5-8 (Scimago)
15. **Ekere N. R.**, Ihedioha J. N, Eze I.S and Agbazue V E. (2014). Health Risk Assessment of Heavy Metals in water sources in rural regions of South Eastern Nigeria, *Int J Phy Scis*.9 (6):109- 116.(Scimago)
16. P. O. UKOHA, **N. R. EKERE***, U. V. UDEOGU and V. E. AGBAZUE (2014). Potential Health Risk Assessment of Heavy Metals [Cd, Cu And Fe] Concentrations in Some imported Frozen Fish Species Consumed in Nigeria, *Int. J. Chem. Sci.*: 12(2), 366-374. (Scimago).
17. M EGBUJOR, **N R EKERE**, N CHINEDU and O NKUZINNA (2014), Extraction and Characterisation of Palm Fixed Oil. *J Appl Sci* 17(1): 11122- 11129.
18. Okoye, C O B; Chukwuneke, AM; **Ekere, NR** and Ihedioha, JN. (2013). Simultaneous ultra- violet-visible (UV-VIS) determination of Pb, Hg, Cd, As and Ni ions in aqueous solutions using cyanidin as a chromogenic reagent. *Int. J Phys. Sci.* 8(3): 98-102. [Impact Factor (IF)=0.556]
19. **Ekere, NR**; Ukoha, PO (2013). Heavy metals in street dusts of industrial market in Enugu South East Nigeria. *Int. J Phys Sci.* 8(4) : 175-178 [IF=0.556]
20. JN. Ihedioha; **NR. Ekere** and COB Okoye(2013). Cadmium in Locally Grown Rice(*oryza sativa*) in Nigeria. *Food Additives and Contaminants. Part B: Surveillance.* 6 (4) 275-278. [IF=0.891].
21. **N.R.Ekere** (2013). Investigations of some Pollution indices of Dug-well waters in Enugu Urban, Enugu Nigeria. *J. Chem Soc. Nigeria.* 38(1):25-28.
22. Agbazue VE, Ibezim A and **Ekere NR.** (2013). Assessment of Sugar Level in Different Soft Drinks. *Int. J. Chem Sci* (accepted and in print. [IF=0.078]
23. Okoye C.O.B, Okon, E.E; **Ekere N.R.**, Ihedioha, J.N (2012). Simultaneous UV-VIS Spectrophotometric Quantitative Determinations of Cyanidin complexes of Co, Zn, Cr, Cu, and Fe ions in mixed aqueous solutions. *Int. J. Chem. Anal. Sci.* 3(12) :1662-1664 .[IF=0.47]
24. **Nwachukwu. R. Ekere** (2012). Nitrate Pollution of water sources of rural areas of Uzouwani, South East, Nigeria. *J. Environ Res and Dev.* 7(2) :600-606. [IF=0.157]
25. **Nwachukwu R. Ekere** and Ifeanyi S. Eze (2012). Evaluation of Cyanogenic Potentials of Local Cassava Species and Residual cyanide contents of their locally processed food products in South East Nigeria. *Hum. Ecol. Risk Asses.* DOI; 10: 1080/10807039-2012.723185. [IF=1.306].
26. **Nwachukwu R. Ekere** .(2012). Urban Wastes impact on surface waters in Enugu metropolis, Nigeria. *J. Environ. Res and Dev.* 7(1A) 229-233 [IF=0.157].

27. **Nwachukwu R. Ekere** and N.B Chinedu (2012). Evaluation of some toxic metals in selected milk products in Nigeria market. *Int. J. Appl. Environ Sci.* 7(4) :373-378.
28. **Nwachukwu R. Ekere** .(2012). Spectrophotometric Determination of Aspartame in Diet Beverages. *Int. J Appl. Chem.* 8(2): 129-133.
29. **Ekere R.N.** (2011). Determination of content levels of saccharin in some bottled fruit juice brands sold in Nigeria market. *J. Sc. Engr. Tech.* 18(1) : 9927-9931.
30. **Ekere R.N.** (2011). Heavy metals contamination of ground water in Industrial Areas of Enugu, Nigeria. *J Appl. Sci.* 14(1): 9535-9542.
31. **Ekere R.N.** (2011). Seasonal variations of Pollution Indices in Ekulu River, Enugu, Nigeria. *Int. J Appl. Chem* .7(1) :71-77.
32. **N.R Ekere.** (2008). Nigeria Energy Crisis: Exploring the Animal Wastes Potentials as Compliment to Fossil Fuel in Sustaining National Economy. *NASHERJ* .6(1) : 306-311.
33. I.A Okoro; E.N Ejike and **R.N Ekere** (2007). Self- Remediation characteristics of Ekulu River, Enugu, Enugu State, Nigeria as Effluents Sink. *Biotechnol: An Indian Journal.* 1(1:) 82-85.
34. E.N Ejike and **R.N Ekere** (2007). Model Recovery Equation for Self Purification Process in Ekulu River, Enugu Nigeria. *Int. J Natural & Appl Sci.* (2) 143-145.
35. **Nwachukwu R. Ekere** . (2006). Solid Waste Management Crisis. Available Options for Sustainable Development in Nigeria. *NASHERJ* .4(1) :115-122.
36. **Nwachukwu R. Ekere.** (2006). Toxicological Properties of Some Laboratory Organic Chemicals. A Review. *NASHERJ.* 4(2) 178-183.
37. **Ekere R.N.** (2001). Prevalent Usage of Organo Chlorine Compounds as Pesticides: The Environmental Implications. *J. Sci. & Comput. Educ.* 2(1) : 95-98.
38. **Ekere R.N.** (2001). Effective Management of Science Laboratory. Facilities to Achieve Standards in Time of Economic Depression. *J. Sci. & Comput. Educ.* 2 (1) :99-103.
39. **Ekere R.N.** (1999). Assessment of Laboratory Safety Awareness/Practices of Secondary School Chemist Students. *ESUT.J Educ.* 2(1) 176-181.
40. **Ekere R.N.** (1997). Trends and New Developments in the Use of Natural Products as Insecticides: *Citadel.* 1(3): 702-709.

(b) Conference Papers

41. **N. R. Ekere.** (2011). Ground water contamination in Makurdi metropolis, Benue State. *Proceedings of International Conference of Chemical Society of Nigeria (CSN)* held at Ilorin, Kwara State. Sept. vol 2: 14-19.

42. **N.R. Ekere** and P. IK Oforji .(2012). Self- Remediation Coefficient of Nyaba River, South East Nigeria. *Proc. of Int. Conf. of Chemical Soc. Of Nigeria(CSN)* held at Owerri Imo State Nigeria, Sept. 17-21.

(c) Books

43. **EKERE, N.R.** (2008). Sag analysis of dissolved oxygen profile of Ekulu River. In G. Berchhold and J.A Opara (eds). *Environment and Development. An Interdisciplinary Perspective*. Spain: Euro Centre for Development Studies. 177-185.
44. **EKERE, N.R.** (1998). Analysis of Concentration of Alkaline Substances in Locally Available Materials: In Amuka LO, et al (eds.) *Functional Education in Nigeria Towards 2010 and Beyond*. Enugu: Creso :90 – 95

CONFERENCES

- 38th International Conference of Chemical Society of Nigeria & 5th Congress of Federation of African Societies of Chemistry held at Abuja, Nigeria
Title of papers:
 - Extraction of Co(II) and Ni(II) as chelates of 3, 5 – bis[(2 – hydroxyl – benzylidene) – amino] – benzoic acid.
 - Extractive Spectrophotometric Determination Of Cr(III) And Cr(VI) using 2- [(E)-{3-[(2 -- Hydroxybenzylidene)Amino]Phenyl}Imino]Methyl] Phenol
- 37th International Conference of workshop & Exhibition of Chemical Society of Nigeria held at Uyo, Akwa Ibom State. 17th -21st sept. 2012.
Title of paper:
- 35th International Conference, Workshop & Exhibition of Chemical Society of Nigeria held at Owerri Imo State. 17th -21st sept. 2012.
Title of paper: Self Remediation Coefficient of Nyaba River, South East Nigeria).
- 34th International Conference, workshop & Exhibition of Chemical Society of Nigeria held at Ilorin, Kwara State. 19th-23rd Sept. 2011.
Title of paper: Ground Water Contamination in Makurdi Metropolis.
- 2nd Mandatory Training workshop by Institute of Chartered Chemists of Nigeria (ICCON). Enugu. 24th & 25th August, 2010.
- 12th Annual Conference of Chemical Society of Nigeria, Enugu State Chapter (Coal City Chem 2008) held at Enugu. 24th – 26th June 2008.
Title of Paper: Heavy Metal Contamination of ground water in Industrial Areas of Enugu State.
- 14th Annual Conference of Chemical Society of Nigeria, Enugu State Chapter held at University of Nigeria Nsukka on 20th June 2013.
Title of Paper: Urban Wastes Impact on Some Surface Water Resources in Enugu Metropolis.

8. 3rd Annual National Conference of National Association of Science, Humanities and Education Research [NASHER]. Held from 24th-27th May, 2006 at Benue State University, Makurdi
Title of Paper: Toxicological Properties of Some Laboratory Organic Chemicals: A review.

F. ADMINISTRATIVE POSTS HELD:

1. Dean, School of Sciences
Enugu State College of Education, (Technical) ESCET
Enugu. 2006-2009.
2. Dean/Chairman, Degree Programmes Unit ESCET, 2009 .
3. Chairman, Admission Committee,
ESCET. Enugu. 2006-2009.
4. Member, Governing Council, ESCET, 2009 – 2010.
5. Acting Deputy Provost (variously) 2006 – 2009.
6. Member, Ceremonial Committee, ESCET, 2006-2009.
7. Member, Exams Misconduct Review Committee, ESCET, 2007-2009.
8. Member, Business Committee, ESCET 2006-2009 .
9. Member, Academic Board, ESCET 2006-2009.
10. Member, ESCET University Affiliation Committee 2007-2009.
11. Head Department of Science Education, SSVTE I.M.T., Enugu 2004-2006
12. Head, Sub-Department of Integrated Science, I.M.T., Enugu 1995-2004.
13. Examination Co-ordinator, Institute of Management and Technology (I.M.T.) Enugu 1992-1997.

14. Member Academic Board, I.M.T. 2004 -2006.
15. Member School Board of Examiners SSVTE, I.M.T 2004-2006.
16. Chairman Departmental Board of Examiners SED; I.M.T 2004-2006.
17. External Examiner, Chemistry Dept., OSISATECH, Enugu 2002 - 2004.

G. CURRENT SALARY: UASS 5 Step 3

H. MEMBERSHIP OF PROFESSIONAL BODIES:

- (a) Chemical Society of Nigeria (CSN)
- (b) Institute of Chartered Chemistry of Nigeria (ICCON).

I. MERITORIOUS HONOURS AWARD RECEIVED:

1. University of Nigeria Distinguished Alumnus Award as A First Class Brain. (2004).

J. COMMUNITY SERVICES:

1. Member, SECTOR-WIDE Coordinating Meeting (EXAM ADMIN) Ministry of Education, Enugu, 2010.
2. Member, IGWE'S Cabinet, Umuodori Autonomus Community, Enugu-Ezike, Igbo-Eze North L.G.A., 2006-date.
3. Secretary General Ikpuiga Town Union, Enugu-Ezike 2004- Date.
4. Secretary, Parish Pastoral Council, St Paul's Catholic Parish, Awkunanaw, Enugu, 2002-2005.
5. Member, Diocesan Pastoral Council, Catholic Diocese of Enugu, 2002-2005.
6. Member, Helpers Club International, Enugu, 2008-date.
7. Patron, Onitsha Arch Diocese Nigerian Federation of Catholic-Students 2007-2009.

K. RESOURCE PERSON/FACILITATOR SERVICES:

1. Facilitator/Lecturer- School of Science & Technology, Open University of Nigeria, 2007 to date.
2. Resource Person/Facilitator – Retraining of Primary School Teachers to meet. MDGs 2006, Enugu State (Basic Science & Technology).

3. Resource Person/Facilitator – Retraining of Primary School Teachers for New Basic 9 Education Curriculum. 2008 Nsukka Centre, Enugu State.
4. Secretary – Local Organizing Committee, 2008 National Association for Science, Arts and Educational Research (NASHER) Conference, Enugu, Nigeria.