

NAME: Okorie, Eugene Ucheya

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EDUCATION

Ph.D Science Education (Chemistry Education), University of Nigeria, 2014

M.Ed (Teacher Education/Science Education), University of Ibadan, 1986

B.Sc (Education/Chemistry), University of Lagos, Akoka, Lagos, 1984

NCE (Mathematics/Chemistry), University of Lagos, Akoka, Lagos, 1980

FURTHER AND PROFESSIONAL TRAINING

- i. Desk Editing (1991), Nigerian Publishers' Association (NPA), Ibadan
- ii. Science editing (1993), Nigerian Association of Science Editors (NASE),
- iii. Editorial production (1995), Nigerian Publishers' Association (NPA), Ibadan
- iv. Electronic editing (1998), Association of West African Book Editors (AWABE)
- v. Finance Management (2000), Lagos Business School, Lagos
- vi. Projects Management (2005), Nigerian Institute of Management, Lagos
- vii. Book publishing (2007), Publishing Training Centre at Book House, London.

1. Teaching and Professional Experience (University of Nigeria, Nsukka)

Date:

2013- Date

Post:

Lecturer I/Research Fellow I:

Courses Taught:

Environmental Pollution; Fundamental Concept of Matter and Energy;
Workshop Practice;

Industrial Process; Supervision of Final year students' research projects
(for both regular and

sandwich students); Supervision of students' Teaching Practice; and
Research on & development of instructional materials for chemistry
teaching.

**Supervision / Teaching of Postgraduate students to Masters Degree
level.**

2010 – 2013

Lecturer II :

Courses Taught:

Environmental Pollution; Fundamental Concept of Matter and Energy; Workshop Practice; Industrial Process; Supervision of Final year students' research projects (for both regular and sandwich students); Supervision of students' Teaching Practice; and Research on & development of instructional materials for chemistry teaching.

2009 -2010

Asst. Lecturer:

Courses Taught:

Physics of Chemical System I; Physics of Chemical System II, Environmental Pollution; Fundamental Concept of Matter and Energy; Workshop Practice; Industrial Process; Analytical process; ; and Research on & development of instructional materials for chemistry teaching. Supervision of Final year students' research projects (for both regular and sandwich students); Supervision of students' Teaching Practice.

WORK AND PROFESSIONAL EXPERIENCE: (Publishing)

2004 -2009 Senior Publisher (Science and Technical, Longman Nigeria plc)

This is a very senior management position, which requires extensive researching, experience in academic publishing to tertiary level and product development.

Duties included:

- Coordinating the work of authors to ensure timely delivery of manuscripts of a high standard;
- Coordinating the work of editorial, design and production staff to ensure all publications are of high standard and delivered in time;
- Networking in the education sector to keep abreast of development in science and technology;
- Making investment proposal with effective analysis of all publication for which I was responsible;
- Research competition for own list areas to ensure new publishing has a competitive advantage;
- Briefing sales and marketing staff on new publishing products, ensuring that covers and advance copies are available on time for promotion season.
- Reporting to the Publishing Director and Managing Director/ Chief Executive Officer of the Publishing House;

- Liaising with Government agencies – Ministry of Education, Nigerian Educational Research and Development Council (NERDC), West African Examination Council (WAEC), NECO, etc.

2002-2004 Publisher (Science and Technical):

This is a very senior management position which requires extensive researching, experience in academic publishing to tertiary level and product development. Duties include:

- Running a team of editors and Senior editors, designers and compositors;
- Special responsibility for science and technical publishing right across the whole publishing department;
- Reporting to the Publishing Director and Managing Director/ Chief Executive Officer of the Publishing House;
- Liaising with Government agencies – Ministry of Education, Nigerian Educational Research and Development Council (NERDC), West African Examination Council (WAEC), NECO, etc.

1998 – 2001 Assistant Publisher (Science and Technical):

The position is a senior management one, higher than that of a Senior Editor and carries with it more responsibilities, including researching, working on pre-press activities within mathematics, science and technology team.

Duties performed included:

- copy-editing and copy-preparations;
- managing all stages of editorial and production process;
- control of editors, typesetters, and other external suppliers in order to deliver new books within time and cost requirement;
- in-house training of new editors and publishing staff.

1995 -1998 Senior Editor (Science and Technical):

This is a senior management position that requires a highly organized person with the ability to handle a wide range of products concurrently and manage tight deadlines and budgets. Excellent communication skills are essential. The work involved extensive travelling researching, academic, publishing, knowledge of business and management studies.

Duties performed include:

- copy-editing and proof- reading of Science , Technology and Social Science books;
- commissioning, developing and publishing new books in pure and applied Science and Social sciences;
- maintaining and developing contracts with book authors and journal editors;
- working closely with the production, sales and marketing teams.

1990 - 1994 Editor (Science and Technical):

It is a position that requires the demonstration of a high degree of accuracy, the individual must be highly organised and must be capable of working well both on his own and in a team. It involves working with materials for primary, secondary and tertiary levels of education. Duties included:

- copy preparation, editing and proof reading;
- managing the work of freelancers;
- blurb writing;
- author liaison - worked closely with authors, mainly University teachers in the development of science and technology textbooks.

WORK AND PROFESSIONAL EXPERIENCE: (Secondary School Teaching)

1988 -1990 **Master I / Head of Science Department (Imo State Senior Science School, Etiti):** Taught Chemistry. Responsibility for equipment and chemicals in the Science Department; and organisation of science fairs etc

1985 -1986 **Post-graduate Student Teacher (University of Ibadan, Dept. of Teacher Education):** Supervision and examination of final year B.Ed (Science) students' teaching practice.

1984- 1985 **Master I/HOD (Science) (Alayi Secondary Com. School, Imo State):** Taught Chemistry, Mathematics , Further mathematics and Physics. Special responsibility for the preparation of final year students for

School Certificate exams in science. Was Chairman Technical Workshop building committee. Organised science fairs to popularise Science Education.

- 1983 - 1984 **MasterIII/HOD (Science) (Alayi Secondary Com. School, Imo State):** Taught Chemistry, Mathematics, Additional (further) mathematics and physics. Special responsibility for the preparation of final year students for Certificate Examinations in sciences.
- 1981 -1982 **MasterIII/HOD (Science) (Boys Sec. School, Asaga Ohafia, Imo State):** Taught Chemistry and mathematics at the higher classes. Planned timetable for teaching in Science Department. Was responsible for science equipment in the laboratories.
- 1980 -1981 **NYSC (St. Peter's Seminary, Yola):** Classroom Teacher, Taught Integrated Science.
- 1976 - 1977 **Teacher Gr. II (Boys Sec. School, Asaga Ohafia, Imo State):** Taught Integrated Science at the lower classes (forms 1 and 2) and chemistry and mathematics at the higher classes (forms 3 and 4). Kept statutory school records including class Registers and diaries) as form master.
- 1975 - 1976 **Teacher Gr. II.(Divisional School Management Board, Uzo-Uwani):** In charge of statistics; collection and analysis of data on all primary schools in Uzo-Uwani Division, in respect of pupils enrolment, equipment, Teacher population.

PUBLICATIONS AND CREATIVE WORKS

Books:

1. **Okorie, E. U.** [2018] Introduction to Special Methods Chemistry. Springfield Books, Lagos, 2018
2. **Okorie, E. U.** [2006] *Echoes of thoughts* (A collection of poems), Springfield Books, Lagos, 2006
3. **Okorie, E. U.**[2004] *Revision key points mathematics for senior secondary schools*, A. Johnson (Publishing), Lagos, 1994.

Chapters in Books:

4. 'Unit 1: Understanding the Senior Secondary School Chemistry Curriculum' in **NERDC** (2012). *Teachers' Guide for the New Senior Secondary School Chemistry Curriculum*. Lagos: NERDC Press.

5. **Okorie, E. U.** [2011] Environmental Pollution.[in] Nwosu A.A. and Nwagbo C. R.(Eds) *Integrated Science Practical Manual*. Nsukka : Great AP Express Publishers Ltd. 173-177
6. Prof. Njoku, Z. C. and **Okorie , E. U.** [2011]. The Physics of Chemical System I and II. [in] Nwosu, A. A. and Nwagbo, C. R. (Eds) *Integrated Science Practical Manual*. Nsukka : Great AP Express Publishers Ltd.153-160
7. Dr. Ezeudu, F. O. and **Okorie, E. U.** [2011]. Industrial and Analytical Processes. [in] Nwosu, A. A. and Nwagbo, C. R. (Eds) *Integrated Science Practical Manual*. Nsukka : Great AP Express Publishers L td.178-180

Audio-Video Article

8. E-Learning chemistry for Senior Secondary and Tertiary Education levels, Topic: Electrolytes & Non-Electrolytes. CUDIMAC, University of Nigeria, Nsukka, 2010

Journal Articles: (Major articles; minor articles; and technical papers)

1. **Eugene U. Okorie** and John J. Agah (2016, August).. Interaction Influence of Gender and Method on Students'Interest in Chemical Bonding. *Transylvanian Review*, Vol. 24, No.10 (2016). **Place of publication/Publisher:**
2. Agah, John J., Bitrus D. Dalu, Kamoru O. Usman & **Eugene U. Okorie** (May, 2016). Estimation of errors committed by further mathematics students in Logical reasoning and remediation using wilson's learning cycle. *International Journal of Applied Mathematics & Statistical Sciences (IJAMSS)* ISSN(P): 2319-3972; ISSN(E): 2319-3980 , Vol. 5, Issue 3, Apr - May 2016; 83-94 **Place of publication/Publisher:**
3. **Eugene U. Okorie** and D.N. Ezeh (*May 2016*) . Influence of Gender and Location on Students' Achievement in Chemical Bonding. *Mediterranean Journal of Social Sciences*, ISSN 2039-2117 (online), ISSN 2039-9340 (*print*) Vol 7, No3, pp 309–318. **Place of publication/Publisher:**
4. John J. Agah., **Eugene U. Okorie** and Okhide E. O.2016, Teachers' Instructional Competence and Attitude towards Teaching as Predictors of Student Learning Behaviour in Mathematics. *Int J Recent Sci Res.* 7(4), pp. 10205-10209. **Place of publication/Publisher:**
5. **Eugene U. Okorie** and JOHN J. AGAH (2016, March) Translating The Evaluation Guide of The Basic Science Curriculum Into Action. *Int J Recent Sci Res.* 7(3), pp. 9262-9267. **Place of publication/Publisher:**
6. Agah, John J., Akobi Thomas Ogbeche and **Eugene U. Okorie** (2016, *February*). Computer anxiety, operation skills and attitude as correlates of students' preparedness for computer based assessment. *International Journal of Education and Research.* ISSN: 2411-5681(Online) www.ijern.com , Vol. 4 No. 2, 71 – 84. **Place of publication/Publisher:**

7. **Okorie, E. U.** (2015, November). Effects of Instructional Software Package Method of Teaching (ISPMT) on Students' Interest and Achievement in Chemical Bonding, *Education*, 5(6): 158-165. DOI: 10.5923/j.edu.20150506.02 **Place of publication/ Publisher:** USA – Science and Academic Publishing (Sapub)
8. Akubuilu, F. E., **Okorie, E. U** ; Onwuka, G., Uloh-Bethels, A. C. (2015) . Reading Readiness Deficiency in Children: Causes and Ways of Improvement. *Journal of Education and Practice*, 6(24) 38–43 **Place of publication/Publisher:** USA– The International Institute for Science, Technology and Education (IISTE)
9. **Okorie, E. U. & C. R. Nwagbo** (2015). Maximising Gains of Continuing Professional Development (CPD) Programme for Secondary School Chemistry Teachers, *Education*, 5(2): 64-69. DOI:10.5923/j.edu.20150502.03 **Place of publication/ Publisher:** USA –Science and Academic Publishing (Sapub)
10. **Okorie, E. U.** (2014,October). Design and development of secondary school chemistry educational software package: The place of theories of instruction and learning. *Computer Education Research Journal (CERJ)*, 1 (1), 29 – 34. **Place of publication/Publisher:** Nigeria – University of Nigeria, Nsukka, Faculty of VT Education.
11. **Okorie, E. U.** (2014, August). Theoretical Explanation of Vulcanisation of Latex of Landolphia Owariensis (P. Beauv) Using Sodium Sulphite (Na_2SO_3) Solution Under Low Temperature. *Journal of Laboratory Chemical Education*. 2(4):58-63 DOI: 10.5923/j.jlce.20140204.02. **Website:** <http://journal.sapub.org/jlce> **Place of publication/Publisher:** USA –Science and Academic Publishing (Sapub)
12. **Okorie, E. U.** (2014,August). Determination of quality of educational software package for teaching chemical concepts in secondary schools. *55th Annual conference proceedings of Science Teachers Association of Nigeria (STAN)*, 241-246
13. **Okorie, E. U.** (2014, July) Development and Validation of Teacher-made Instructional Software Package for Teaching Chemical Bonding in Secondary Schools. *Journal of Education and Practice*, ISSN:2222-1735(Paper), ISSN:2222-288X(Online) www.iiste.org , Vol. 5, No.22, pp.28 – 33. **Place of publication/Publisher:** USA – The International Institute for Science, Technology and Education (IISTE)
14. **Okorie,E. U. & Agah, J. J.** (June, 2014) Teachers' Attitude Towards the use of Computer Software Package in Teaching Chemical Bonding. *International Journal of Energy and Environment*. ISSN:2055-0197 (Print), ISSN:2055-0200 (Online) www.ea-journals.org , Vol. 2, No. 2, pp.9 – 18.
15. Akubuilu, F. E, **Okorie, E. U.,** Onwuka, G., Uloh-Bethels, A. C. (2014). Repositioning Adult and Formal Education for Nigeria Educational Development. *Journal of Education and Practice*, ISSN:2222-1735(Paper), ISSN:2222-288X(Online) www.iiste.org , Vol. 5, No. 9, pp.92– 95. **Place of publication/Publisher:** USA – The International Institute for Science, Technology and Education (IISTE)

16. **Okorie, E. U.** & Akubuilu, F. (2013). A Conceptual Framework for Construction of Teacher-made Computer Educational Software Package for Communicating Chemical Concepts to Secondary School Students. *Chemistry and Materials Research* .ISSN:2224-3224 (Print), ISSN:2225-0956(Online) www.iiste.org Vol. 3 No. 8, 2013 (pp.7 – 11) **Place of publication/Publisher:** USA – The International Institute for Science, Technology and Education (IISTE)
17. **Okorie, E. U.** & Akubuilu, F. (2013). Towards Improving Quality of Education in Chemistry: An Investigation into Chemistry Teachers' Knowledge of Chemistry Curriculum. *International Journal of Emerging Science and Engineering* (IJESE). . ISSN:2319-6378, Vol.1,Issue-9, 25 July, 2013 (pp.30 -34). (Online) www.ijese.org **Place of publication/Publisher:** India - International Journal of Emerging Science and Engineering^R
18. Akubuilu, F. & **Okorie, E. U.** (2013). Sustainability of Tertiary Education Through Quality Assurance and Development in Nigeria. *Journal of Education and Practice*, ISSN:2222-1735(Paper), ISSN:2222-288X(Online) www.iiste.org , Vol. 4, No. 15, 2013 (pp.140– 144).
19. **Okorie, E. U.**(2012). Basic Science and Technology Teacher Capacity Development: Beyond Pedagogy *International Journal of Educational Research*, Vol.12, No.1, (pp.136 – 143)**Place of publication/Publisher:** Nigeria – University of Nigeria,Nsukka, Faculty of Education.
20. Shobowale, I. O & **Okorie, E. U.** (October, 2012). TVET and Industrialization: A Veritable tool for national Economic Development in Nigeria. *25th Annual National conference proceedings of Nigerian Association of Teachers of Technology* (NATT),ISSN: 1119-4978 (pp 350 – 357). **Place of publication/Publisher:** Nigeria – Nigerian Association of Teachers of Technology (NATT).
21. **Okorie, E. U.** (2011). Enhancing sustainable Development of the Third World Through Interdisciplinary Research: A case for the Integration of Environmental science Education into the contents of various subjects in our school curricula. *Proceedings of International Conference on Science and Sustainable Development*. Vol. 1, No.10. (pp. 93-98).**Place of publication/Publisher:** Ghana – International Research and Development Institute
22. **Okorie, E. U.** (June, 2011). Curriculum and the New Science Teacher: Laying a firm foundation for the study of The New Science in Nigerian Schools. *Nigerian Journal of Curriculum studies*, Vol. 18 No1, (pp163-168) **Place of publication/Publisher:** Nigeria- Curriculum Organization of Nigeria
23. **Okorie, E. U.** (Sept. 2010). Secondary Schools chemistry curriculum Reforms in the 21st century: Implications for Nigerian Educational system. *Curriculum and media Technology-J.CUDIMAC*. Vol.2 (1). (pp. 108-119). **Place of Publication/Publisher:** Nigeria – University of Nigeria, Nsukka, Curriculum Development and Instructional Material Centre (CUDIMAC).

24. **Okorie, E. U.** (March, 2009). Towards Scientific and Technological Development of our Nation. *CBSS Newsletter, Vol.4, pp.6 – 10*. **Place of Publication/Publisher:** Nigeria – Centre for Basic Space Science, National Space Research and Development Agency (NASRDA), Federal Ministry of Science and Technology.
25. G.M.O. Onwu and **Okorie, E.U.** (December 1996).The use of ‘Uke-latex’ As An Alternative Local Chemical Material in the Teaching of some Chemical concepts. *Journal of the Science Teachers Association of Nigeria* , Vol. 31, 1&2 (pp. 30-36)
Place of publication/Publisher: Nigeria - Science Teachers Association of Nigeria.
26. Dr. E.I. Alonge; Jabaru-Aremu, M.A and **Okorie, E.U.**(1984). Alternative Approach to chemistry Practical: The circuit method. *25th Annual conference proceedings of Science Teachers Association of Nigeria*, pp. 33-39. **Place of publication/Publisher:** Nigeria - Science Teachers Association of Nigeria.

CONFERENCES AND LEARNED SOCIETY ACTIVITIES

Attendance at Conferences /workshops

1. 55th Annual conference of Science Teachers Association of Nigeria (STAN), Asaba, Delta State, from 18 - 23 August, 2014.
Paper Presented *Determination of quality of educational software package for teaching chemical concepts in secondary schools*
2. Conference of Ebonyi State Ministry of Education for Secondary School Science Teachers, Abakaliki, 7 – 11 November, 2013
Part Played: Resource Person (Curriculum) .
Paper Presented: Vocationalisation Of Science Curriculum For Nigerian School System
3. A workshop on University Environmental Sustainability, University of Nigeria, Nsukka, June 03, 2015.
4. NERDC Train – the - Trainers Workshop on the use of Teachers’ Guide for Implementing the New Science, Technology and Mathematics Curriculum in Senior Secondary Schools in Nigeria, at Danic Hotel , Enugu, Enugu State, 3 – 6 June. 2013.
Part Played: Resource Person (Chemistry)

5. NERDC Train – the - Trainers Workshop on the use of Teachers’ Guide for Implementing the New Science, Technology and Mathematics Curriculum in Senior Secondary Schools in Nigeria, at Doo Palace Hotel , Markurdi, Benue State, 19 – 25 May. 2013.
Part Played: Resource Person (Chemistry)
6. International Conference of the Faculty of Education (ICFE) 2012 , University of Nigeria, Nsukka. 6 June, 2012
Paper Presented : Basic Science and Technology Teacher Capacity Development: Beyond Pedagogy
7. NERDC Writing Workshop to Develop Teachers Guide for New Senior Secondary Education (SSE) Chemistry Curriculum, at Danic Hotel , Enugu, Enugu State,14 – 19 Nov. 2011.
Unit Contributed: Unit 1 Understanding the New Senior Secondary School Chemistry Curriculum.
8. 23rd Annual Conference of the Curriculum Organization of Nigeria (CON), at the Law Auditorium, Ebonyi State University, CAS Campus, Abakaliki from 15th to 18th September,2010
Paper Presented : Curriculum and the new science: laying a firm foundation for the study of the new science in Nigerian schools.
9. 1st International Conference 2010 of the Curriculum Development and Instructional Material Centre (CUDIMAC), University of Nigeria , Nsukka, from 16th to 19th June, 2010
Paper Presented : Secondary schools chemistry curriculum reforms in the 21st century: implication for Nigerian educational system
10. 2010 Faculty of Education International Conference on Nigeria at 50: Rethinking Teacher Quality. Faculty of Education. UNN

Service on Committees in University of Nigeria, Nsukka

(i) Elective Department/Faculty Standing Committees

Committees	Position held	Date
Examination Result Committees	Member	2011/2012
Undergraduate Programme Coordination Committee	Member	2011/2012

Departmental Research Committee	Member	2011/2012
Departmental Academic Board	Member/Secretary	2011/2012
Accreditation Preparation Committee	Member	2011/12/13
Curriculum Committee	Member	2013 - Date
Publications Committee	Member	2013- Date
Laboratory Committee	Member	2013 - Date
Computer Science Education Curriculum Committee	Member	2015

(ii) University Committees

Committees	Position held	Date
Visioning/Strategic Planning Committee	Member	2014
Global Visibility Committee	Member	2015

(iii) Service to Relevant Public Bodies

Public Bodies	Position and nature of assignment	Date
Umunna Development Union, Nsukka Branch	Chairman, Presides over meetings of this socio-cultural organization.	2014 - Date

Skills

- Excellent Communication skill
- E-learning (ICT) material design – courseware design; power point
- Copy-editing and proof-reading
- Human resources management

EDITORSHIP OR SUB-EDITORSHIP OF REPUTABLE JOURNALS

1. *Nigerian Journal Of Space Research* (2014, 2015)
2. *African Journal of Science, Technology and Mathematics Education (AJSTME)*, 2016, 2017.
3. *Curriculum and media Technology Research - J.CUDIMAC.* (2017 – Date)

PROFESSIONAL REVIEW OF PAPER FOR REPUTABLE JOURNALS

1. *British Journal of Education, Society and Behavioural Science* (2013, 2014)

HOBBIES

Reading, Poetry and Football.

Signed

Dr. E. U. Okorie