

CURRICULUM VITAE

1. PERSONAL DATA: francaoffiah@yahoo.com 08033424757

- i. NAME:** OFFIAH FRANCISCA CHINELO, PhD., (MSTAN)
- ii. SEX:** Female
- iii. MARITAL STATUS:** Married
- iv. NATIONALITY:** Nigeria
- v. POSTAL ADDRESS:** Department of Science Education, Nnamdi Azikiwe University, Awka.

2. ACADEMIC QUALIFICATIONS:

- i.** Nnamdi Azikiwe University, Awka (Science Education) Ph.D. 2005
- ii.** University Of Nigeria, Nsukka, Science Education (Chemistry) M.Sc. 1984
- iii.** University Of Nigeria, Nsukka (Education) PGDE. 1986
- iv.** University Of Nigeria, Nsukka (Chemistry) B.Sc. 1975

3. DATE OF ASSUMPTION OF DUTY: October, 1992

4. PRESENT RANK: Professor October, 2010

5. WORKING EXPERIENCE:

- i.** Senior Teacher, Girls Secondary School, Kwoi, Kaduna State 1975-1976
- ii.** Senior Science Master, Queen's School, Enugu, Enugu State 1976-1977
- iii.** Lecturer, Institute of Management and Technology Enugu, 1977-1992
Enugu State; Rose to the Position of Principal Lecturer
- iv.** Lecturer, Nnamdi Azikiwe University, Awka 1992-Date

6. POSITIONS HELD:

- i.** Head, Department of Science Education, Institute of Management and Technology, Enugu 1982-1984
- ii.** Coordinator, Science Education Unit, Nnamdi Azikiwe University, Awka 1998-2000

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|------|---|----------------|
| iii. | Head, Department of Science Education,
Nnamdi Azikiwe University, Awka | 2006-2008 |
| iv. | Head, Department of Science Education,
Nnamdi Azikiwe University, Awka | 2010-till date |

7. CREATIVE OUTPUT

Books and Chapters in Books

- i. **OFFIAH, F.C and ALI, A (1989)** Implementation of Science Education in the Implementation of National Policy on Education Theoretical and Empirical Analysis. 323-331.
- ii. **OFFIAH, F.C (1990)** The Problem of Teaching Science to Slow Learners in Enugu Local Government. In Nworgu, B.G and Emenogu. B.C (Eds) Concept and Indicator of Quality Education Association for Promoting Quality Education in Nigeria (APQEN) Monograph Series (1) Owerri; Total Publishers, 54-57.
- iii. **OFFIAH, F.C (1997)** Teaching Chemistry for Mastery the Role of Teacher. The In Okeke, S.O.C and Oke, C.O (Eds) Teaching STM for Mastery: The Role of Teacher; Proceedings of Workshop at Enugu State University of Science and Technology, Enugu (7th – 12th July, 1997), 26-30.
- iv. **OFFIAH, F.C (1998)** Learning Cycle Approach: An Innovative/Strategy for Teaching Science Technology and Mathematics in School. In Okeke, S.O.C and Oke, C.O (Eds) “Innovative Strategies for Teaching” STM Proceedings of Workshop at Enugu State University of Science and Technology, Enugu (15th – 20th June, 1998), 18-26.
- V. **OFFIAH, F.C (1998)** Assessing Student Performance in Science: Opinion of Teachers. In Chidolue, M.E and Anadi, C.C (Eds) Effective Teaching: The Nigerian Experience. Faculty of Education, Nnamdi Azikiwe University, Awka. 249-255.

- vi. **OFFIAH, F.C (2002)** Co-Operative Learning Integration in Science Classroom for National Development and Integration. In Ebenebe, R.C and Akudolu, R.I. Education for National Development and Integration, Faculty of Education, Nnamdi Azikiwe University, Awka. 60-63.
- vii. **OFFIAH, F.C AND NJELITA, C.B (2010)** Use of Pre-Requisite Mathematical Concepts in Teaching Stoichiometry. In Olayiwola, M.A and Umoh, S.W (Eds). Effective Methods of Teaching Inorganic Chemistry: STAN, Chemistry Panel Series 5, 64-71.

A. JOURNALS

- i. **OFFIAH, F.C (1987)** Decreasing Enrolment in Chemistry. *Journal of Research in Learning and Teaching*. 1(1), 70-77.
- ii. **OFFIAH, F.C (1995)** Investigation of the Level of the Awareness of Vegetable Oil as Industrial Raw Materials among Rural Women in Anambra and Enugu State. *Journal of Adult Education Studies* (1), 15- 54.
- iii. **OFFIAH, F.C, OKAFOR, C.O & OKOLI, O.B (2005)** The Effectiveness of Concept Mapping as Teaching Strategy for Improving Students Achievement in Mathematics. *Journal of Applied Science* 8(3), 30-43.
- iv. **OFFIAH, F.C and Okoli, O.B (2005)** The Effectiveness of Concept Mapping as a Teaching Strategy for Improving Female Students Achievement in Mathematics. *The FAWEN Journal* 1(1), 70-80.
- v. **OFFIAH, F.C and Okoye, E.I (2006)** Planning and Implementation of Primary Science Education Teacher Pedagogical Content knowledge as a Problem. *Journal of Applied Science* 10(3), 7297-7304.
- vi. **OFFIAH F.C, and EGOLUM, E (2006)** Effect of Prior Knowledge of Some Relevant Mathematical Concept on Students Achievement in Stoichiometry. *Journal of Science, Engineering and Technology* 14(3), 7676-7685.
- vii. **OFFIAH, F.C and AKUSOBA, E.U (2007)** Effectiveness of Meta-Cognitive Learning Cycle to Science Instruction for Secondary School Chemistry Students. *Unizik Journal of STM* 1(1), 23-30.

- viii. **OFFIAH, F.C and ENUKORA, E.O (2007)** The Extent of Acquisition of Science Process Skill among Chemistry Students in Onitsha Education Zone. *Journal of Science, Engineering and Technology* 15(4), 8096- 8103.
- ix. **OFFIAH, F.C and ENUKORA, E.O (2007)** Identification of Science Process Skills Involved in the Analysis of Iron Ore Mineral. A Case Study. *ANACHEM Journal* 1(1), 27-32. www.anachem.org.
- x. **OFFIAH, F.C and SAMUEL, N.N.C (2008)** The Effect of Teaching Relevant Mathematical Topic before and during Teaching of Selected Topic in Chemistry in Udofia, N-A (Ed) *Proceeding of the 49th Annual Conference of STAN 2008*, 110-115.
- xi. **OFFIAH, F.C and ENUKORA, E.A (2008)** Chemistry Students' Level of knowledge of the Dangers of Pollutants in their Environment. *ANACHEM JOURNAL* 2(1), 251-257. www.anachem.org.
- xii. **NJELITA, C.B and OFFIAH, F.C (2008)** Gender Differences on Science Process Skills Acquisition among Primary Schools Pupils; Implication for Gender Equality. *Review of Education*. 19(1), 39-43.
- xiii. **OFFIAH, F.C and UMOBI, C.I (2008)** Influence of Gender on Students' Conceptual Change when Taught Chemistry Using Constructional- Based Instructional Model (Pedda). *ANACHEM Journal*, 3(2), 590-600. www.anachem.org.
- xiv. **OKOYE, E.I and OFFIAH, F.C (2008)** Preliminary Phytochemical Analysis and Antimicrobial Screening of the Leaf of Baphia Nitida. *ANACHEM Journal*, 4(1), 668-672. www.anachem.org.
- xv. **OFFIAH, F.C; OKOYE, E & EMETO, D.E (2009)** Appraisal of the Teaching of Renewable Energy in Secondary School Chemistry in Awka Education Zone of Anambra State. *ANACHEM Journal* 4(2).. www.anachem.org.
- xvi. **OFFIAH, F.C and IGBOEGWU, E (2010)** Generative Learning Model: An Effective Method in Teaching Difficult Concepts in Chemistry. *African Journal of Studies in Education*. 6(1).
- xvii. **OFFIAH, F.C (2010)** Global Economic Crisis and Stem Education: Challenges and Possible Remedies. In Udofia, N-A (Ed) *Proceedings of the 51st Annual Conference of STAN 2010*, 102-109.

- xviii. **OFFIAH, F.C and ACHUFUSI, N.N (2010)** A Study of the Effect of the Transformer as a Instructional Material in Teaching Power Supply in Physics. *Journal of Education and Policy Review*. 2, 1-7.www.cenresin.org.
- xix. **OFFIAH, F.C and ACHUFUSI, N.N (2010)** Evaluation of Science Teachers' Literacy on Information and Communication technology in Government Secondary Schools in Awka Education Zone. *Journal of Education and Leadership Development*. 2,1-6. www.cenresin.org.
- xx. **OFFIAH, F.C and ESIANA, A.C (2010)** Awareness of e-learning among Secondary School Teachers in Anambra State. *Unizik Orient Journal of Education*. 1(1&2), 30-35.
- xxi. **OFFIAH, F.C;ACHUFUSI, N.N., OKWUDUBA E. (2010)** Effect of Co-operative Learning on Students' Achievement in Chemistry in Awka Educational Zone of Anambra State, Nigeria, *African Journal of Interdisciplinary Studies*, Ghana 3(1) 162-166.
- xxii. **OFFIAH, F.C and ESIANA, A.C. (2012)** Impact of School Location and Students' Attitude Towards Mathematics on their Academic Achievement. *International Journal of Development Digest*, Vol. xiv, No.1 Pg. 12-21.
- xxiii. **OFFIAH, F.C and SAMUEL, N.N. (2012)** The Effect of Timing of Teaching Relevant Mathematics Principles of Achievement in Chemistry. *African Journal of Teacher Education*, AJOTE 2(1).
- xxiv. **OFFIAH, F.C, SAMUEL N.N. and ESIANA, A.C. (2012)** Meta-Cognitive Learning Cycle an Innovative Method for Enhancing Students' Critical Thinking Abilities. *International Journal of Educational Research and Development* 4(1).

CONFERENCE PAPERS

- i. **OFFIAH, F.C (1987)** The 6-3-3-4 System of Education: Evaluation the Non-Cognitive Behaviour in Chemistry. Presented at the 3th Annual Conference of the Chemistry Society of Nigeria, Anambra State Chapter, 5th – 6th May, 1987.
- ii. **OFFIAH, F.C (1987)** Guidelines for the Teaching of Identified Difficult Topics in the New Chemistry Secondary School. Presented at The 13th Annual Conference of the Chemistry Society of Nigeria. Anambra State Chapter 5th – 6th May, 1987.

- iii. **OFFIAH, F.C (1989)** Education for Self-Reliance: The Relevance for Nigerian Polytechnics. Presented at the Second Zone Seminar of POSSAN, 20th – 24th November, 1989.
- iv. **OFFIAH, F.C (1989)** Secondary School Chemistry and Nigeria Industries' Presented at the Technical Education Conference, IMT Enugu, 23rd – 34th November, 1989.
- v. **OFFIAH, F.C (1997)** Comparative Analysis of Education Opportunities Enrolment and Resources Distribution in Urban and Rural Areas: The Case of Post-Primary Schools in Delta. Presented at 5th Annual Conference of Association for Promoting Quality Education in Nigeria 8th – 12th December, 1993.
- vi. **OFFIAH, F.C (1997)** Girls Enrolment in Science Subjects in Senior Secondary Schools in Awka Education Zone (1986-1996) and Factors that Affect their Choice. Paper Presented at 1st National Conference of Women for Development (WODOF) on Agriculture held at Awka.
- vii. **OFFIAH, F.C and SAMUEL, N.N (2008)** The Secondary School Chemistry and the Requirement of Industry for Capacity Building and Sustainable Development. Annual Conference of the Faculty of Education, Nnamdi Azikiwe University Awka, 2008.
- viii. **OFFIAH, F.C and ESIANA, A.C (2010)** Awareness of e-Learning among Secondary School Teachers in Anambra State. Unizik Orient Journal of Education 6(1&2), 30-35.
- ix. **OFFIAH, F.C (2010)** The Effect of Constructivist-Based Instructional Model (PEDDA) on Students' Conceptual Change in Chemistry. Paper Presented at Council of Educational Psychology, Asaba. 5th – 8th October, 2010.
- x. **OFFIAH, F.C, OSUABOR A.M and ESIANA, A.C. (2012)** Gender Equality and Empowerment of Women in Science Education: The Challenges of Implementation of the Millennium development Goal. Forum for African Women Educationalists (FAWE) Ebonyi State Chapter Nigeria.

CONTRIBUTIONS TO UNIVERSITY AND SOCIETY

- i. Workshop on Primary School Science Organized for Anambra State Specialized Education Development Agency, 20th – 21th June, 1991.

- ii.** Workshop on Primary School Science, Organized for Anambra State Specialized Education Development Agency, November, 1991.
- iii.** Workshop on Primary School Science Organized for Enugu State Local Government Education Authority, Enugu State. 27th – 29th January, 1992.
- iv.** Resource Person, Re-Training of Primary School Teachers for Capacity Enhancement for The Attainment of Millennium Development Goals (MDGS)2008.
- v.** Resource Person, Re-Training of Primary School Teachers for Capacity Enhancement for the Attainment of Millennium Development Goals (MDGs) September, 2009.
- vi.** Resource Person, Re-Training of Primary School Teachers for Capacity Enhancement for the Attainment of Millennium Development Goals (MDGs) December, 2009.
- vii.** Resource Person, Re-Training of Primary School Teachers for Capacity Enhancement for the Attainment of Millennium Development Goals (MDGs) September, 2010.
- viii.** Financial Secretary, University Workers (Awka) Multipurpose Co-Operative Society Ltd.
- ix.** Financial Secretary, Ladies of St.Mulumba, Nigeria. Benin Metropolitan Council.

ACADEMIC LEADERSHIP QUALITIES

i.	B.Sc. Research Project Successfully Supervised	Several
ii.	Ph.d. Research Project Successfully Supervised	6 projects
iii.	Ph.d. Research Project on going	4 projects
iv.	M.Sc. Research Projects Successfully Supervised	15 projects
v.	M.Sc. Research on going	20 projects
vi.	Technical Editor, Journal of Science, Engineering and Technology (JSET)	1993-till date
vii.	External Examiner, Madonna University, Okija	2005-till date
viii.	Editor, Unizik Journal of STM	2007-till date

ADMINISTRATIVE EXPERIENCES

1. Member

- | | | |
|-------|--|-----------------|
| i. | Welfare Committee Faculty of Education | |
| ii. | Post-Graduate Diploma in Education Committee | 1993/94-1995/96 |
| iii. | Time Table Committee Faculty of Education | 1993-1996 |
| iv. | B.Sc. Research Project Committee | 1993-1996 |
| v. | Teaching Practice Committee | 2004-2006 |
| vi. | Curriculum Committee | 2002-2005 |
| vii. | Bookshop Committee | 2002-2005 |
| viii. | Sandwich Committee | 2002-2005 |

2. Coordinator

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|------|---|----------------|
| i. | Coordinator Chemistry Programme
department of Science Education | 1992-2007 |
| ii. | Coordinator Integrated Science Education
Department of Science Education | 1996-2007 |
| iii. | Coordinator Science Education Unit | 1998 |
| iv. | Curriculum Committee, Faculty of Education | 2004-Till Date |

RESEARCH INTEREST

- i. Innovation Methods of Teaching Chemistry in Schools
- ii. Gender Issues in Science Teaching