

C U R R I C U L U M VITAE –PROFESSOR NWAGBO CHINWE ROSE

A. PERSONAL DATA

1. Name - Nwagbo, Chinwe Rose
2. Date of Birth - 11th November, 1954
3. Nationality - Nigerian
4. Marital Status - Widowed
5. Present Rank - Professor

Education

- (i) University of Ife, Ile-Ife - (1977-1981)
- (ii) University of Nigeria, Nsukka - (1985-1986)
- (iii) University of Nigeria, Nsukka - (1987-1989)
- (iv) University of Nigeria, Nsukka - (1990-1995)
- (v) University of Nigeria, Nsukka - (1995-1998)

Qualifications

- (i) B.Sc. (Zoology), University of Ife 1981
- (ii) Post Graduate Diploma in Education University of Nigeria, 1986
- (iii) M.ED. (Science Education) University of Nigeria, Nsukka 1989.
- (iv) M.Ph (Science Education) University of Nigeria, Nsukka 1995
- (v) Ph.D. (Science Education), University of Nigeria Nsukka, 1998.

B. WORKING EXPERIENCE

1. *Work Experience at University of Nigeria Nsukka*

- (i) Professor 2011- Date
- ii) Reader 2008- 2011
- (iii) Senior Lecturer 2004 – 2008
- (iv) Lecturer II 1999 - 2004
- (v) **Tutor II** 1997 – 1999
- (vi) Assistant Tutor 1994-1997

2. *Teaching at State Secondary Schools*

- (i) Principal III 1992-1994
- (ii) Senior Master 1990- 1992
- (iii) Master I 1987-1989
- (iv) Master II 1983-1986

3. *Academic/ Professional Responsibilities*

- i) Ag. Head of Department, Science Education - UNN - 2008-2009
- (ii) Substantive Head, Department, Science Education - 2009-2012
- (iii) Head of Department of Science Education - KSU(Sabbatical staff) - 2016

- (iv) Teach courses at both graduate and undergraduate levels.
- (v) Research in Science Education and Curriculum.
- (vi) Supervise Undergraduate, Masters and Doctoral projects

4. *Special Professional Experience*

- (i) Member of Science Teacher Association (STAN) Panel on Revision of STAN Biology Textbook. 2005-2006.
- (ii) Member and Secretary of STAN Committee on Millennium Development Goal on Science Education. 2005-2006.
- (iii) Field Staff on ENHANCE PROJECT, USAID Workshop on Teacher Education Survey. July 2006.
- (iv) Resource Person for the Millennium Development Goals (MDGs) Project : Nationwide Training Workshop for Primary School Teachers. August-September, 2006.
- (v) NERDC Train the Trainers Workshop for Teachers on Selection and use of Instructional Materials. December, 2009
- (vi) Senate member, University of Nigeria, Nsukka, 2008 - Date
- (vii) STAN delegate to Malaysia for ICASE Borneo World Conference on Science and Technology Education, October, 2013
- (vii) NECO Monitoring officer 2012 – 2015
- (viii) Member of the NUC Accreditation team, 2016

IV. PUBLICATIONS

a. CONTRIBUTION OF CHAPTERS IN BOOKS

1. Ubachukwu, P.O. C. R. Nwagbo and N. O. Ezekwesili (1999). *Organisms in the Environment* in Ezekwesili N. O. (Editor) *Introduction to Natural Science 1*, Awka: Meks Publishers Ltd Chapter 3, 8-31
2. Nwagbo C. R. and N. Awachie (1999). *Energy Transformation in Biological Systems* in Ezekwesili N. O. (Editor) *Introduction to Natural Science 1*, Awka: Meks Publishers Ltd Chapter 12, 157-166.
3. Nwagbo, C. R. (2001). *Social Implications of Technological Development* in Ezekwesili N.O and P.O. Ubachukwu and C.R. Nwagbo (Eds.) *Introduction to Natural Science II*, Onitsha NewCrest Publishers, Chapter 5, 87-98.
4. Nwagbo, C. R. (2001). *Origin and Nature of Man* in Ezekwesili N.O and P.O. Ubachukwu and C.R. Nwagbo (Eds) *Introduction to Natural Science II*, Onitsha NewCrest Publishers, Chapter 6, 99-113.
5. Nwagbo. C. R. and P.O. Ubachukwu (2001). *AIDS: A Threat to Human Society* in Ezekwesili N.O and P.O. Ubachukwu and C.R. Nwagbo (Eds) *Introduction to Natural Science II*, Onitsha NewCrest Publishers, Chapter 18, 346-362.
6. Cifrat, A.B., Nwagbo, C.R., Etokebe, I., and S.O. Oladeji (2011).

- Science Teachers' Association of Nigerian (STAN) Biology for Senior Secondary Schools (New Edition). Books 1.
7. Cirfat, A.B., Nwagbo, C.R., Etokebe, I., and S.O. Oladeji (2011). Science Teachers' Association of Nigerian (STAN) Biology for Senior Secondary Schools (New Edition). Books 2.
 8. Cirfat, A.B., Nwagbo, C.R., Etokebe, I., and S.O. Oladeji (2012). Science Teachers' Association of Nigerian (STAN) Biology for Senior Secondary Schools (New Edition). Books 3.
 9. Nwagbo, C. (2013). Psychological Foundations of Science Education Including Learning Theories and Models of Teaching in Akpan B. (Ed), Science Education: A Global perspective, Abuja : Next Generation Education Limited. Chapter 5: 101- 117

b. ARTICLES IN JOURNALS

1. Nwagbo, C. R. (1998). Development and Validation of Instrument for Measuring Scientific Literacy. *Review of Education XV(1)*, 55-56.
2. Nwagbo, C. R. (1998). Educational Training Needs of Auto-mechanics. *Journal of Liberal Studies 7* (1&2), 49-59.
4. Nwagbo, C. R. (1999). Effects of Guided-Discovery and Expository Teaching Methods on Attitude Towards Biology Students of Different Levels of Scientific Literacy. *Journal of the Science teachers Association of Nigeria*. 34, (1&2), 66-73.
5. Nwagbo, C. R. (2000). Poverty Alleviation through Science and Technology Education. *Journal of Nigerian Educational Research*. 14(1), 121-127.
6. Nwagbo, C. R. (2001). The Relative Efficiency of Guided Inquiry and Expository Methods on Achievement in Biology of Students of Different Levels of Scientific Literacy. *Journal of the Science Teachers Association of Nigeria*. 36 (1&2) 43-51
7. Nwagbo, C. R. and P.O. Ubachukwu (2001), *HIV/AIDS: History, Social Implications and Coping Strategies Journal of Liberal Studies* (Special Edition). 9 (1&2), 279-288
8. Nwagbo, C. R. and V. N. Ekwelem (2002). Information Technology, Socio-economic and Educational Development in Nigeria. *Journal of Liberal Studies* 10 (1)
9. Nwagbo, C. (2006). Effects of two teaching methods on the Achievement in and Attitude to Biology of Students of Different Levels of Scientific Literacy. *International Journal of Educational Research* 45(2006), 216-229.
10. Onyegebu. N. and C. Nwagbo (2008). Empowering the Nigerian Youths for HIV/AIDS Prevention Through Training of Trainers for Peer Education Programme: The National Youth Service Corps Experience. *Journal of Curriculum and Instruction* 7(1&2). In print.

11. Nwagbo C. and C. Obiekwe.(2010). Effects of Constructivist Instructional Approach on Students' Achievements on Basic Ecological Concepts in Biology. *Journal of Science Teachers' Association of Nigeria* 47(1&2), 26-35.
12. Nwagbo, C.R. & Chukelu, U. C. (2011). Effects of biology practical activities on students' process skill acquisition. *Journal of the Science Teachers' Association of Nigeria (JSTAN)* 46 (1), 58-70.
13. Nwagbo, C.R and Ovute, A. O. (2011). Teachers knowledge of the Content and Activities in the new Basic Science Curriculum: Implications for the new Science Teacher. *Nigerian Journal of Curriculum Studies*, 18(1), 194-200.
14. Nwagbo C.R. and Okoro, A.U. (2012). Effect of Interaction Patterns on Achievement in Biology among Secondary School Students. *Journal of Science Teachers Association of Nigeria*, 47(1), 22-32.
15. Ugwanyi C. S. and Nwagbo, C. R. (2013). Influence of Gender Stereotype Threats on Undergraduate Students' Achievement in Mathematics and Science. *Journal of Education and Practice*, 4(48): 80-85.
16. Ugwanyi C. S. and Nwagbo, C. (2014). Challenges to Effective Utilization of Information and Communication Technology in Teaching and Learning. *Global Research Analysis*, 3(4): 48-49
17. Nwagbo C. and Chilee, G. (2014). Biology Laboratory Material Resources Utilization in Colleges of Education: Implications for Curriculum Delivery in Nigerian Secondary Schools. *Global Research Analysis*,3(4): 1-3
19. Iwuagwu T.C. and Nwagbo, C. (2014). Teaching for Creativity: Science Teachers to the rescue. *Journal of Education and Practice*, 5(35): 59-63.
20. Okorie E.U. and Nwagbo, C.R. (2015). Maximizing Gains of CPD Programme Senior Secondary Chemistry Teachers. *Education* 2015, 5(2): 64-69.
21. Nwagbo C.R. and Ugwuanyi, C.S. (2015). Assesment of Science Teachers Pedagogical Beliefs and Information and communication Technology (ICT) Classroom Practices in Secondary Schools in Enugu State, Nigeria. *Journal of Science Teachers' Association of Nigeria*, 50(1), 24-33.
22. Danjuma G.S. and Nwagbo, C. (2015). Effects of Collaborative and Competitive Learning Strategies on Upper Basic II Students' Interest in Basic Science. *Journal of Science Teachers Association of Nigeria*, 50(1), 24-33.

c. ARTICLES IN REFERRED CONFERENCE/WORKSHOP PROCEEDINGS

1. Nwagbo, C. R. (1997). Innovations in Science Teaching: Categorization of Students into Levels of Scientific Literacy for Effective Instructional Purposes. *40th Annual Conference Proceedings of Science Teachers Association of Nigeria; Kano STAN Publications Ibadan, 106 – 109.*
2. Nwagbo, C. R. (2000). Enriching Science, Technology and Mathematics (STM) Education through Teaching for Inculcation of Scientific Literacy. *41st Annual Conference Proceedings of the Science Teachers Association of Nigeria, Awka, STAN publishers, Ibadan, 372-375.*
3. Nwagbo, C. R. (2001). Perception of Science and Technology (S&T) Undergraduates on Gender Issues in Science and Technology Based Careers. *42nd Annual Conference Proceedings of the Science Teachers Association of Nigeria; Ilorin, STAN Publications, Ibadan, 376-380.*
4. Nwagbo, C. R. (2002). Levels of Scientific Literacy of Secondary School Science Students: Implications for Sustainable Development in Nigeria. *Proceedings of the 43rd Annual Conference of Science Teachers Association of Nigeria and Inaugural Conference of CASTME Africa. Port Harcourt : STAN Publications Ibadan. 73-77.*
5. Nwagbo, C. R. (2004). Integrating Biotechnology Research Findings into the Secondary School Biology Curriculum *Proceedings of the 45th Annual Conference of the Science Teachers Association of Nigeria. Asaba: STAN Publications, Ibadan 128-134*
6. Nwagbo, C. R.(2005). Expository/Discussion Approach to Teaching of Energy and Appliances in the Home. *STAN Integrated Science Education Series No.3. Abuja: NCCE Publishers. 100-106.*
7. Nwagbo, C. R. (2005). Attainment of Professionalism in Science Education: Competences and Skills Needed by Biology Teachers. *Proceedings of the 46th Annual Conference of the Science Teachers Association of Nigeria. Jos: STAN Publications, Ibadan. 183-189*
8. Nwagbo, C. R. (2006). *Verification and Inquiry Exercises as Viable Practical Approach to the Teaching and Learning of Respiration. STAN Biology Panel Series 2006, Oshogbo, Osun State: Antoine Concerns Publishers. 7-16.*
9. Nwagbo, C. R. (2006). Resources for Science Education: Promoting the Utilization of Phenomenals for Science Teaching. *Proceedings of the 47th Annual Conference of the Science Teachers Association of Nigeria. Calabar: _Stan Publication Ibadan.72-77.*
10. Nwagbo C. R. and V. O. Ekwelem (2007). *Challenges of the Nigerian University Education System and Reform Strategies for the Attainment of the Millennium Development Goals (MDGs).* In B.G, Nworgu (Ed.). Education Reforms and the

- Attained of the Millennium Development Goals (MDGs): The NIGERIAN Experience. Nsukka : University Trust Publishers. 286-293.
11. Nwagbo, C. R. (2007). Developing Observational and Drawing Skills for Effective Conduct of Biology Practicals. *STAN Biology Series 2007. Jos, Plateau State: Akins Press and Services. 1-12.*
 12. Nwagbo, C. R.(2008). Practical Approach to Effective Teaching of Local and Major Biotic Communities (Biomes) to Secondary School Students for Sustainable Development. *STAN National Biology Panel Series 2008. Jos, Plateau State: Akins Press and Services. 41-53.*
 13. Nwagbo C. R. and J. N, Okoli (2008). Status of Information and Communication Technology (ICT) Training and Support for Science and Technology (S & T). Teacher Educators in Some Universities in South Eastern Nigeria. *Proceedings of the International Conference of the Faculty of Education, University of Nigeria. 411-416*
 14. Nwagbo C. R. (2008). Science Technology and Mathematics (STM) Curriculum Development: Focus on Problems and Prospects of Biology Curriculum Delivery. *Proceedings of the 49th Annual Conference of the Science Teachers Association of Nigeria. Yenegua, Bayelsa State. STAN Publications. 77-81*
 15. Nwagbo C. R. and C. Obiekwe (2009). Using Constructive Model as Practical Approach to Effective Teaching of Soil Types and Water Holding Effects of Soil on Vegetation for Sustainable Development. *STAN Biology Panel Series 2009.Nsukka: Bel's Books.88-95.*
 16. Nwagbo C. (2009). Using the Microscope and Slide Preparation for Effective Conduct of Biology Practicals. *STAN Biology Panel Series 2009. Nsukka: Bel's Books.14-23.*
 17. Nwagbo Chinwe (2009). Sexuality Education and HIV/ Teachers to the Rescue. *Proceedings of the African Regional Conference of the Third World Organization for Women in Science (TWOWS.) Abuja.243-249. AIDS Prevention for the Attainment of the Millennium Development Goals (MDGs):*
 18. Amaechina E.C, Nwagbo C.R. and A.I. Achike (2009). Gender and Time use in South Eastern Nigeria: Implications for Poverty Reduction. *Proceedings of the African Regional Conference of the Third World Organization of Women in Science (TWOWS) Abuja. 603-607.*
 19. Nwagbo C. and N. Onyegebu, (2009) Enriching Senior Secondary School Biology Curriculum Through Integrating Entrepreneurship Activities. *Proceedings of the 50th Annual Conference of STAN. Minna, STAN Publications, Ibadan. 128 – 133.*
 20. Nwagbo C. (2010). Practicalizing The Teaching of the Nervous System Using Activities and Illustrative Diagrams. *STAN Biology Panel Series 2010. Enugu: Timex enterprises.13-24.*
 21. Nwagbo, C.R. (2011). National Education Reforms and Way Forward for Sustainable Science, Technology, Engineering and Mathematics (STEM) Education in Nigeria.

52nd Annual Conference Proceedings of the Science Teachers' Association of Nigeria, Akure: 103-108.

22. Nwagbo C. and Abba A.U. (2012). Level of Biological Literacy of First Year in Biology Students of Colleges of Education in Yobe State: Implications for Biology Education in Nigeria. *Proceedings of International Technology, Education and Development Conference, Valencia:5242-5248*
23. Nwagbo, C. R. and C. G. Ukaegbu (2012). Biology Laboratory Resources Management in Colleges of Education: Implication for Universal Basic Education (UBE) Programme. *Proceedings of the 53rd Annual Conference of STAN. Abuja, STAN Publications, Ibadan: 253-259*
24. Nwagbo, C. R. and C. S. Ugwuanyi (2012). Challenges of Effective Utilization of Information and Communication Technology in Teaching and Learning of Basic Science and Technology in Primary Schools. *Proceedings of the 53rd Annual Conference of STAN. Abuja, STAN Publications, Ibadan: 215-220*
25. Nwagbo, C. and M. I. A. Njoku (2014). Creativity in Biology Classrooms in Nigeria: Challenges and Prospects. *Proceedings of the 55th Annual Conference of STAN. Asaba, STAN Publications, Ibadan: 135-140.*
26. Nwagbo C. and A. Aham (2015). Research in STEM Education: Utilizing the 5 E's Constructivist Instructional Approach for Effective Classroom Delivery of Genetic Concepts. *Proceedings of the 56th Annual Conference of STAN. Awka, STAN Publications, Ibadan: 157-166.*
27. Nwagbo, C. R. and C. S. Ugwuanyi (2015). Influence of Gender on Science Teacher's Pedagogical Beliefs and ICT Classroom Practices in Secondary Schools in Enugu State, Nigeria. *Proceedings of the 56th Annual Conference of STAN. Awka, STAN Publications, Ibadan: 157-166.*
28. Ukaegbu, C. G. and C. Nwagbo (2016). Utilization of Information and Communication Technology Facilities for the Actualization of the Objectives of the National Policy on Education for Secondary Schools. *Proceedings of the 57th Annual Conference of STAN. Ado Ekiti, STAN Publications, Abuja:279-285.*

V. ATTENDANCE TO CONFERENCES/WORKSHOP WITH PAPERS PRESENTED

1. Nwagbo, C. R. Strategies for promoting the Understanding of Science, Technology and Mathematics (SMT): The role of the Teacher. *Paper presented at the 37th annual Conference of STAN, Uyo, Akwa Ibom 12-17 August 1996.*
2. Nwagbo, C. R. Innovations in Science Teaching: Categorization of Students in Levels of Students in Levels of Scientific Literacy for Effective Instructional Purposes. *Presented at the 40th Anniversary Conference of STAN, Kano, 19-23 August 1997.*

3. Nwagbo, C. R. Science and National Development: the Status of Scientific Literacy among Secondary School Science Teachers. *Presented at the International Conference on Crucial Issues on Nigerian/African Education*, Nsukka, Nigeria, 15-19 April 1997.
4. Nwagbo, C.R. Job/Education Training Needs of Auto-mechanic Apprentices. *Presented at the International Conference on Educational Alternatives for Nigeria and Africa*. Nsukka, Nigeria, 9-12 September 1997.
5. Nwagbo, C.R. and V.N. Ekwelem Information Technology: Socioeconomic and Educational Development in Nigeria. *International Conference on Information Technology and Education*, Nsukka, Nigeria, 6-9 May, 1998.
6. Nwagbo, C.R. Enriching Science, Technology and Mathematics (STM) Education through Teaching for Inculcation of Scientific Literacy. *Presented at 41st Annual Conference of STAN*. Awka, Anambra State , Nigeria 22-26 2000
7. Nwagbo, C. R. Implementation of Universal Basic Education (UBE) in Nigeria: Focus on Teacher Education. *Presented at the 13th National Conference on Implementation of Universal Basic Education in Nigeria*. Nsukka, Enugu State 9-21 August, 2000.
8. Nwagbo, C.R. Perception of Science and Technology (S&T) Undergraduate on Gender Issues in Science and Technology Based Careers. *Presented at the 42nd Conference of STAN Women in Science Technology and Mathematics Education*. Ilorin, Kwara State. 21-25 August 2001
9. Nwagbo, C.R. Women and HIV/AIDS: Social, Economic and Cultural Factors that Predispose Women to Infection. *Presented at the National Association of Women Academic Conference on Productivity and Challenges of Women Academics in 21st Century*. Nsukka Enugu State. 11-14 November 2001
10. Nwagbo, C.R. Levels of Scientific Literacy of Secondary School Science Students: Implications for Sustainable Development in Nigeria. *Presented in 43rd Annual Conference of Stan on Science, Technology and Mathematics for Sustainable Development in Africa*. Port Harcourt Rivers State. 18-22 August 2002.
11. Nwagbo, C.R. Expository/Discussion Approach to Teaching of Energy and Appliances in the Home. *Presented at the Science Teachers Association of Nigeria (STAN) National Workshop- Integrated Science Panel*. Uyo, Akwa Ibom. 23- 27 June. 2004
12. Nwagbo, C.R. Integrating Biotechnology Research Findings into Secondary Schools Biology Curriculum. *Presented at the 45th Conference of STAN on Refocusing Research in Science Technology and Mathematics (STM) Education*. Asaba, Delta State. 16-20 August, 2004.

13. Nwagbo, C.R. Effects of Guided Inquiry and Expository Teaching Methods on Achievement and Attitude in Biology of Students of Different Levels of Scientific Literacy. *Presented at the Conference on Education Research in Developing and Transition Countries*. Prague, Czechoslovakia Republic 31st March – April 11 2005.
14. Nwagbo, C.R. Attainment of Professionalism in Science Education: Competence and Skills Needed by Biology Teachers. *Presented at the 46th Annual Conference of STAN on Professionalism in STM Education*. Jos, Plateau State. 15-20 August 2005.
15. Nwagbo, C.R. Verification and Inquiry Exercises as Viable Practical Approach to the Teaching and Learning of Respiration. *Presented at the STAN National Workshop on Practical Approach to Teaching Respiration*. Oshogbo, Osun State. 18-22 April 2006.
16. Nwagbo, C.R. Resources for Science Education: Promoting the Utilization of Phenomenals for Science Teaching. *Presented at the 47th Annual Conference of STAN on Resources for Science, Technology and Mathematics (STM)* . Calabar Cross River State. 13 – 19 August 2006.
17. Nwagbo, C. R. Developing Observational and Drawing Skills for Effective Conduct of Biology Practicals. *Paper presented at the STAN National Workshop on Developing Basic Laboratory Skills for Effective Conduct of Biological Practicals in NECO/WAEC*. Jos, Plateau State. 22-26 May, 2007.
18. Nwagbo, C. R. Challenges of the Nigerian University System and the Reform Strategies for the Attainment of the Millennium Development Goal's (MDG's). *Paper Presented at the Faculty of Education National Conference on Educational Reforms and the Attainment of the Millennium Development Goals (MDG's)*. University of Nigeria, Nsukka. 5-8 August, 2007.
19. Nwagbo, C. R. Practical Approach for Effective Teaching of Local and Major Biotic Communities (Biomes) to Secondary School Students for Sustainable Development. *A Lead Paper Presented at the STAN National Workshop on Practical Approach to Effective Teaching of Ecological Concepts for Sustainable Development*. Enugu, Enugu State. 11-15 March, 2008.
20. Nwagbo C.R and C, Obiekwe. Using Constructivist Model as Practical Approach to Effective Teaching of Soil Types and Water Holding Effects of Soil on Vegetation for Sustainable Development. *Paper Presented at the STAN National Workshop on Practical Approach to Effective Teaching of Ecological Concepts for Sustainable Development*. Enugu, Enugu State. 11-15 March, 2008.
21. Nwagbo C.R and J.N, Okoli. Status of Information and Communication Technology (ICT) Training and Support for Science and Technology (S & T) Teacher Educators in Some Universities in South Eastern Nigeria. *Paper Presented at the International Conference of the Faculty of Education, University of Nigeria on Education in the Information Age : Global Challenges and Enhancement Strategies*. Nsukka, Enugu State 17 – 21 June, 2008
22. Nwagbo, C. R. Science Technology and Mathematics (STM) Curriculum Development: Focus on Problems and Prospects of Biology Curriculum Delivery.

- Paper Presented at the 49th Annual Conference of the Science Teachers Association of Nigeria on Curriculum Development in Science, Technology and Mathematics Education. Yanegoa, Bayelsa State. 26-31 August, 2008.
23. Nwagbo, C. R. Enhancing Teacher Capacity on the use of Laboratory Techniques for Effective Conduct of Biology Practicals. *Paper presented at the STAN National Workshop on Increasing Teacher Capacity on the use of Laboratory Techniques for Effective Conduct of Biology Practicals*. Kaduna, Kaduna State: 10-14 March, 2009.
 24. Onyegegbu. N. and C. Nwagbo. Empowering the Nigerian Youths for HIV/AIDS Prevention Through Training of Trainers for Peer Education Programme; The National Youth Service Corps Experience. *Paper Presented at the International Council of Associations for Science Education*. Abuja:24-29 May, 2009
 25. Nwagbo C. Sexuality Education and HIV/AIDS Prevention for the Attainment of the Millennium Development Goals (MDGs): Teachers to the Rescue. *Presented at the African Regional Conference of the Third World Organization for Women in Science (TWOWS.)* Abuja: 16-20 November, 2009.
 26. Amaechina, E.C, Nwagbo C.R. and A.I. Achike. Gender and Time use in South Eastern Nigeria: Implications for Poverty Reduction. *Proceedings of the African Regional Conference of the Third World Organization of Women in Science (TWOWS)*. Abuja:16-20 November, 2009.
 27. Nwagbo C. and N. Onyegegbu. Enriching Senior Secondary School Biology Curriculum Through Integrating Entrepreneurship Activities. *Paper Presented at the 50th Annual Conference of STAN*. Minna:25-30 August,2009
 28. Nwagbo, C. Using the Microscope and Slide Preparation for Effective Conduct of Biology Practicals. *Paper Presented at the STAN National Biology Workshop on Increasing Teacher Capacity on the use use of Laboratory Techniques for Effective Conduct of Biology Practicals*. Kaduna, Kaduna State: 10-14 March, 2009.
 29. Nwagbo, C. Practicalizing the Teaching of the Nervous System Using Activities and Illustrative Diagrams. *Paper Presented at the STAN National Biology Workshop on Practical Approaches to Effective Teaching of the Nervous System*. Port Harcourt, Rivers State: 13-17 April, 2010.
 30. Nwagbo, C. R. and Ovute A. O. Teachers' Knowledge of the Content and Activities of the New Basic Science Curriculum Implications for Science Teacher Education in Nigeria. *Paper presented at the 23rd Annual Conference of the Curriculum Organisation of Nigeria*. Abakaliki, Ebonyi State. 15 – 18 September, 2010.
 31. Nwagbo, C.R. National Education Reforms and Way Forward for Sustainable Science, Technology, Engineering and Mathematics (STEM) Education in Nigeria. *Science Teachers' Association of Nigeria, Paper Presented at the 52nd Annual Conference of STAN*. Akure. 15-20 August,2011..
 32. Nwagbo, C. and Abba A. U. Level of Biological Literacy of First Year in Biology Students of Colleges of Education in Yobe State: Implications for Biology Education

- in Nigeria. *Paper Presented at the International Technology, Education and Development Conference, Valencia – Spain, 5- 7 March, 2012.*
34. Nwagbo, C. R. and Ugwuanyi, C. S. Students' Information and Communication Technology (ICT) Competence for the Adoption of E- Learning in Nigerian Universities. Presented at the International Conference on Education and new Learning Technologies, Barcelona, Spain. 2-4 July, 2012.
 35. Nwagbo, C. R. and C. G. Ukaegbu. Biology Laboratory Resources Management in Colleges of Education: Implication for Universal Basic Education (UBE) Programme. *Paper Presented at the 53rd Annual Conference of STAN. Abuja, 6-13 August, 2012*
 36. Nwagbo, C. R. and C. S. Ugwuanyi. Challenges of Effective Utilization of Information and Communication Technology in Teaching and Learning of Basic Science and Technology in Primary Schools. Paper presented at *the 53rd Annual Conference of STAN. Abuja, 6-13 August, 2012.*
 37. Nwagbo, C. R. and I. Okonkwo. Effect of Concept Mapping Teaching Strategy on Students' Achievement in Environmental Concepts in Chemistry. *Presented at ICASE Borneo World Conference on Science and Technology Education, Malaysia Sarawak, 30 September – 5 October, 2013.*
 38. Nwagbo, C. R. and C. Ukaegbu. Biology Laboratory Material Resources Utilization in Colleges of Education: Implications for Biology Curriculum delivery in Nigerian Secondary Schools. *Presented at ICASE Borneo World Conference on Science and Technology Education, Malaysia Sarawak, 30 September – 5 October, 2013.*
 39. Nwagbo, C. and M. I. A. Njoku. Creativity in Biology Classrooms in Nigeria: Challenges and Prospects. *Paper Presented at the 55th Annual Conference of STAN. Asaba, 19-22 August, 2014.*
 40. Nwagbo, C. R. and T. E. Iwuagwu. Teaching for Creativity : Way Forward for Science and Technological Development of Ndi- Igbo. *Paper Presented at the 13th Annual Conference of Igbo Studies Association, Marquette University, Milwaukee, Wisconsin, USA, 9-11 April, 2015.*
 41. Ekwelem V. O. and C. R. Nwagbo. Enhancing Educational Development in South East Nigeria Through Library and Information Centres. *Paper Presented at the 13th Annual Conference of Igbo Studies Association, Marquette University, Milwaukee, Wisconsin, USA, 9-11 April, 2015.*
 42. Nwagbo C. and A. Aham. Research in STEM Education: Utilizing the 5 E's Constructivist Instructional Approach for Effective Classroom Delivery of Genetic Concepts. *Paper Presented at the 56th Annual Conference of STAN. Awka, 17-22 August, 2015.*
 43. Nwagbo, C. R. and C. S. Ugwuanyi. Influence of Gender on Science Teacher's Pedagogical Beliefs and ICT Classroom Practices in Secondary Schools in Enugu

State, Nigeria. *Presented at the 56th Annual Conference of STAN. Awka, 17-22 August, 2015.*

44. Nwagbo, C. R. and G. S. Danjuma. Effects of Collaborative and Competitive Learning Strategies on Upper Basic II Students' Achievement in Basic Science. *Paper presented at the Researchers' International Network Conference, University of Cape Coast, Ghana, 12-17 October, 2015.*
45. Ukaegbu, C. G. and C. Nwagbo (2016). Utilization of Information and Communication Technology Facilities for the Actualization of the Objectives of the National Policy on Education for Secondary Schools. *Paper Presented at the 57th Annual Conference of STAN. Ado Ekiti, 15-20 August, 2016.*
46. Nwagbo, C. R. (2017). Exploring the Cell and its Environment Using Hands-on, Minds-on Laboratory Activities. *A Lead Paper Presented at the STAN Biology National Workshop on The Cell. Abuja, FCT. 14-19 March, 2017.*

VI. Editorship of Books/Journals

1. Ezekwesili N.O. P.O. Ubachukwu and C.R. Nwagbo (Editors), (2001). Introduction to Natural Science 2. Newcrest Publishers, Onitsha.
2. Cirfat, A.B, Nwagbo, C. R. and Adedeji, S. (Editors), (2007). Science Teachers Association of Nigeria (STAN) Biology Panel Series 2007. Jos: Akins Press and Services.
3. Cirfat, A.B, Nwagbo, C. R. and Adedeji, S. (Editors), (2008). Science Teachers Association of Nigeria (STAN) Biology Panel Series 2008. Jos: Akins Press and Services.
4. Nwagbo, C. R., Nzewi U. M. and Ajewole, G. A. (Editors), (2009). Science Teachers Association of Nigeria (STAN) Biology Panel Series 2009. Nsukka: Bel's Books.
5. Nwagbo, C. R. and Nzewi U. M. (Editors), (2010). Science Teachers Association of Nigeria (STAN) Biology Panel Series 2010. Enugu: Timex Enterprises.
6. Nwagbo, C.R. (Editor), (2012). African Journal of Science, Technological and Mathematics Education 2012. Nsukka
7. Nwagbo, C. R. (Editor), (2018). African Journal of Teaching and Teacher Education (AJOTTE) Spring Publication.

VII. PUBLIC SERVICE

a. Committee Service in the University

- | | | |
|-------|---|-----------|
| (i) | Member Senate Ceremonials Committee | 2000-2014 |
| (ii) | Member, Board of Governors, University School | 2000-2004 |
| (iii) | Member Editorial Committee of Unit's Journal | 2001-2003 |

- | | | |
|--------|---|-------------|
| (iv) | Member, University Scholarship Board | 2002-2004 |
| (v) | Hall Warden Okpara Resident Hall | 2000-2004 |
| (vii) | Member, Students Electoral Committee | 2001-2002 |
| (viii) | Member, University Environmental Sanitation Committee- | 2004-2008 |
| (ix) | Member, Faculty of Education Conference Committee | 2014-2015 |
| (x) | Member, University Transition Committee on Staff Welfare | 2014-Date |
| (xi) | Co-ordinator, Departmental PG Programmes | 2014-2015 |
| (xii) | Member, Advisory Committee on CUDIMAC | 2015 - Date |
| (xiii) | Member, Care Taker Committee on Guest Houses | 2015 - Date |
| (xiv) | Member, Committee on University laboratories | 2015 – Date |
| (xv) | Financial Secretary, UNN Staff cooperative society | 2013 – Date |
| (xvi) | Chairman, Committee of Investigation on Examination Malpractice | 2017-2018 |

b. Service to Other Public Bodies

- | | | |
|-------|---|------------|
| (i) | Secretary Christ Church Chapel Council, U.N. N. | 2002-2006 |
| (ii) | Member Panel on Revision of STAN Biology Textbook | 2005-2010 |
| (iii) | Vice-Chair, STAN Biology Panel | 2006-2008 |
| (iv) | Chair, STAN Biology Panel | 2008-2010 |
| (v) | Alternate Post Graduate External Examiner, NAU, Awka. | 2007- Date |
| (vi) | External Examiner, Undergraduate Programmes, ESUT | 2009 –Date |
| (vii) | External Examiner, Federal College of Education, Eha- Amufu | 2012-Date |

REFEREES

Professor Stella Nwizu

Dean, Faculty of Education,
University of Nigeria,
Nsukka, Enugu State

Professor Zephrius Njoku

Head, Department of Science Education
University of Nigeria, Nsukka,
Enugu State

MAILING ADDRESS

Professor Chinwe Rose Nwagbo

Department of Science Education
University of Nigeria, Nsukka.

E.mail: chinwe.nwagbo@unn.edu.ng

Telephone: 08037537133