

CURRICULUM VITAE OF CHUKWURAH HENRY AGINAM

A. BIO DATA

SURNAME: **AGINAM**
OTHER NAMES: Chukwurah Henry
DATE OF BIRTH: June 12, 1960.
STATE: Anambra
LOCAL GOVT. AREA: Orumba North
PLACE OF BIRTH: Oko, Orumba north, Anambra state
SEX: Male
NATIONALITY: Nigerian
MARITAL STATUS: married with 4 children (2 boys & 2 girls)
CONTACT ADDRESS: Department of Civil Engineering
Nnamdi Azikiwe University, Awka
E-MAIL ADDRESS: chukwuraaginam@yahoo.com
ch.aginam@unizik.edu.ng
PHONE NO: 08033390510, 08057583446
DEPARTMENT: Civil Engineering
FACULTY: Engineering
DATE OF FIRT APPOINMENT: July 27, 1994.
DATE OF LAST PROMOTION: October 1, 2012.
PRESENT POSITION: Associate Professor
PRESENT RANK: 6 step 9

B. EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES

1. Community Primary School Oko 1970-1975
2. All Saints Secondary School, Umunze 1975-1980
3. University of Nigeria, Nsukka 1980-1985
4. University of Lagos, Akoka 1989-1990
5. University of Nigeria, Nsukka 2004-2012

C. ACADEMIC QUALIFICATIONS OBTAINED WITH DATES

1. First School Leaving Certificate at credit Level - 1975
2. West African School Certificate at Distinction Level - 1980
3. Bachelor of Engineering (B. Eng.) at Second Class (Honours) Upper Division -1985
4. Master of Science M. Sc. (Structures) -1990

5. Doctor of Philosophy- PhD (Structures) - March, 2012

D. MEMBERSHIP OF SCIENTIFIC AND PROFESSIONAL BODIES

1. Member, Nigerian Society of Engineers (MNSE) R. 07532 --- (1996)
2. Member, Nigerian Institution of Structural Engineers (MNIStruct.E) R.437--- (1997)
3. Member, Council for Regulation of Engineering in Nigeria (COREN) R.7119 (1997)
4. Council Member, Nigerian Institute of Structural Engineers

E. RELEVANT EXPERIENCE

(i)- Teaching

<i>INSTITUTIONS</i>	<i>POSITIONS</i>	<i>DATE</i>
Nnamdi Azikiwe University, Awka	Reader	2012 till date
	Senior Lecturer	2001- 2012
	Lecturer I	1998 - 2001
	Lecturer II	1995 -1998
	Assistant Lecturer	1994

(ii) - Industry

<i>ORGANISATIONS</i>	<i>POSITIONS</i>	<i>DATE</i>
Italframe Nigeria Ltd.	Project Engineer	1990 -1994
ANIF Engineering Co. Ltd.	Project Engineer	1986 - 1990
Ilesha Town Planning Authority	Council Engineer	1986

(iii)-Consultancies

1. Integrated Consultants Nigeria Ltd (1998-2000)
2. Excellent Concepts Ltd (2000-2006)
3. Federal Roads Maintenance Agencies (FERMA) –(2004-2006)
4. Federal College of Education(Tech), Umunze (2002)
5. Orumba North Local Government Council on Eke Oko Market Development (2012 till Date).
6. Allied Quantity surveyors, Lagos (2005)

F. ACADEMIC LEADERSHIP QUALITY

(i)- External Examination

1. External examiner, OND Programme, Department of Civil Engineering, Federal polytechnic, Oko (2003-2005)
2. External Examiner, HND Programme, Department of Civil Engineering, Federal Polytechnic, Oko (2006 till Date)
3. External Examiner, Undergraduate Students, Enugu State University of Science and Technology, Enugu, 2014 till Date
4. External Examiner, Postgraduate students, University of Nigeria, Nsukka 2014 till date

(ii) Postgraduate Supervision

(a) M. Eng. Supervision

1. Okoye, Maduakonam Reg. No. 2009226002P- Application of Indirect Variational method in the Analysis of Thin Rectangular Plates
2. Obi, Uchechukwu C. Reg. No. 2010226004F- Performance Evaluation of Three Different Brands of Ordinary Portland Cement commonly used in South Eastern Region of Nigeria.

(b) Ph.D. supervision

1. Onodagu, P. D. Reg. No. 2008327001- Dynamic Analysis of Thin Rectangular Plates.

(iii). Professional Reviewer/Editorship of Reputable Journals

1. International Journal of soft Computing and Engineering, ISSN: 2231-2307, India
2. Science Domain International: British Journal of Applied Sciences and Technology.
3. Asian Journal of Science and Technology
4. International Journal of Computational Engineering Research (ijcer)
5. The Open Civil Engineering Journal, Bentham science Publishers

G. ADMISTRATIVE EXPERIENCES

- i). Director, Consultancy Services, Nnamdi Azikiwe University, Awka 2014 till date
- ii). Head, Department of Civil Engineering, Nnamdi Azikiwe University (2003-2005, 2009-2011, 2012 -2014
- iii) Director/ Coordinator, Chisco Institute for Transportation Studies, (2009-2014)
- iv). Member, Surveillance and Infrastructural Development Committee, Nnamdi Azikiwe University, Awka (2010 till date).
- v). Member, Consultancy Services Nnamdi Azikiwe University, Awka 2009- 2014
- v). Member, Convocation and Ceremonial Committee, Nnamdi Azikiwe University, Awka (2011/2012)
- VI). Chairman, Faculty of Engineering Committee on Review of Faculty and Departmental Dues (2012)

H. SERVICES TO THE UNIVERSITY/SOCIETY

1. Member, task Force on Accreditation of Civil Engineering Programme (1998)

2. Member, Faculty of Engineering of Committee on the Study of Polytechnic Programme Vis-à-vis University Programme: - (1997)
3. Member, Department of Civil Engineering Committee on Formulation and Procurement of Structural Models for the Accreditation of Civil Engineering Programme (1998).
4. Chairman, Civil Engineering Welfare Committee (1999-2003).
5. Chief Examination Officer, Civil Engineering Department- (2000-2003)
6. Secretary, Civil Engineering Department Postgraduate Committee- (1996-2005)
7. Member, Faculty of Engineering Welfare Committee- (1997-2005)
8. Chairman, Task Force on Erosion Control for Oko Community (1995-1997)
9. Consultant, Excellent Concepts Ltd.-(2000-2006)
10. Consultant, for Messrs: Integrated consultants (Nigeria), Enugu-(2000)
11. Project Consultant, Federal College of Education (Tech.) Umunze (2002)
12. Member, Monitoring Team on Operation Rehabilitate 500 Roads for Federal Roads Maintenance Agency, (FERMA)-(2004-2006)
13. Head, Department of Civil Engineering –(2003- 2005, 2009-2011, 2012-2014)
14. External Examiner, Department of Civil Engineering, Federal Polytechnic, Oko (2003- Till date)
15. Co-ordinator, Chisco Institute for Transportation Studies (2009- till date)
16. Member, Nnamdi Azikiwe University senate- (2003-2005, 2009-2011)
17. Member, Nnamdi Azikiwe Postgraduate Board- (2003-2005, 2009-2011)
18. Member, Faculty of Engineering Management Board, NAU- (2003-2005).
19. Member, Surveillance and Infrastructural Development Committee, NAU (2010- till date)
20. Member, Convocation and Ceremonial Committee, NAU (2011-2012)
21. Initiator/Founder, Faculty of Engineering AUTO CAD Laboratory Project
22. Member, Council of Knights, Diocese of Awka- (Knight of St. Paul-KSP)
23. Chairman, Works Department, Oko Peoples Union (1993-1995, 2004-2014).
24. Foundation Chairman, Azubuike Age Grade Ezioko, Oko-(1982-1984).
25. Member, Faculty of Engineering committee on CAD Laboratory Centre (2010-till date)
26. Member/ Consultant Representing Oko in Eke Market Development (2012 till date)

I. ACADEMIC AND SCHOLARLY PUBLICATIONS

i). Journal Publications

1. **Aginam, C. H.** ,Nwakaire, C. and Nwajuaku, A. I. (2015) Engineering Properties of Lateritic Soils from Anambra Central Zone, *International Journal of Soft Computing and Engineering (IJSCE)* ISSN: 2231-2387, <http://www.ijscce.org> Volume-4 Issue -6 pp. 1-6
2. **Aginam, C. H.**, Chidolue,C.A., Nwakaire, C. (2014) Geotechnical Properties of Lateritic Soils from Northern Zone of Anambra State, Nigeria, *International Journal of Engineering Research and Development*, e-ISSN: 2279-067x, www.ijerd.com Vol. 10 issue 12 pp 23-29
3. .Chidolue, A. C., **Aginam, C. H.**, Anyaoha, U., (2014) Contributions of Weakness of Local Aggregates to the Failure of Buildings in Anambra State of Nigeria, *International journal of Engineering Research and Development*, e-ISSN: 2275-667X, www.ijerd.com ,Vol. issue 12, pp 73-78
4. Okonkwo, V. O., **Aginam, C. H.** , Ezeagu, A. C., (2014) Formulation of Internal Stress Equations of Pinned Portal Frames Putting Axial Deformation into Consideration, *European scientific Journal* ISSN: 1857-7881(print) e- ISSN: 1857-7431 Vol. 10 No. 24 pp. 230-240
5. Otti, V. I., Ezenwaji, E. C., **Aginam, H. C.** and Nwafor, A. U. (2014) Effective Community Participation In Reconstruction Of Greater Aguata Scheme, Enhances Sustainability, *International Organisation of scientific Research, Journal Of Engineering(IOSRJEN)*, ISSN (e) 2250-3021, [http:// www.iosrjen.org](http://www.iosrjen.org) vol. 4 pp19-24
6. **Aginam, C. H.**, Chidolue, C. A., Nwakire, C. (2013) Investigating the Effects of Coarse Aggregate Types on the Compressive Strength of Concrete, *International Journal of Engineering Research and Applications (Ijera)* ISSN 2248-9622, <http://www.ijera.com> Vol. 3 issue 4 pp1140-1144.
7. Chidolue, C. A., **Aginam, C. H.**, and Okonkwo, V. O.,(2013) Effect of Wall Thickness on the Torsional-Distortional Response on the Thin-Walled Box Girder Structures, *ARPJN Journal of Engineering and Applied Sciences*, ISSN:1819-6608, <http://www.arpnjournals.com>, Vol. 8 (9) pp 719-726.
8. **Aginam, C. H.**, Onodagu, P.D., Nwakire, C. (2013)Breadfruit Stem Ash as a Partial Replacement of Cement in Sancrete Block Making, *International Journal of Engineering Research and Application (ijera)*, ISSN:2248-9622, <http://www.ijera.com> Vol. 3, issue 4, pp 60-65
9. **Aginam, C.H.**,Umenwaliri, S. N. and, Nwakire, C (2013) Influence of Mix Design Methods on the Compressive Strength of Concrete, *ARPJN journal of Engineering and Applied Sciences*, ISSN: 1819-6608 <http://www.arpnjournals.com> vol. 8(6), pp 438-444

10. Adinna, B. O., **Aginam, C. H.**, Chijioke, C., and Onodagu, P. D. (2013) Appraisal Of The Current Method Of Retaining Wall Analysis- A Case Study Of Cantilevered Retaining Walls, *Education and Science Journal of Policy Review and Curriculum Development*,
11. Okonkwo, V. O., Onyeyili, I. O., **Aginam, C. H.**, Chidolue, C. A. (2013), Formulation of The Internal Stress Equations Of Pinned Portal Frames putting Shear Deformation Into Consideration, *International Journal of Soft Computing and Engineering*, ISSN 2231-2307, <http://www.ijjsce.org>, **Vol. 3, No. 4**).
12. **Aginam, C.H.**, Chidolue, C. A. and Ezeagu, C. A. (2012) Application of Direct Variational Method in the Analysis of Isotropic Thin Rectangular Plates, *ARPJN Journal of Engineering and Applied Sciences*, ISSN: 1819-6608 <http://www.arpnjournals.com> vol. 7(9),pp1128-1138
13. Osadebe, N.N. and **Aginam, C.H.** (2012) Bending Analysis Of Isotropic Rectangular Plate with All Edges Clamped: Variational Symbolic Solution, *Journal of Emerging Trends in Engineering and Applied Sciences* ISSN- 2141-7016. <http://www.jeteas.scholarlinkresearch.org> **Vol. 2, Number 5**, pp. 846-852
14. Chidolue, C. A., Osadebe, N. N. and **Aginam, C. H.** (2012) Distortional Analysis of Thin-Walled Box Girder Structure: A Comparative Study, *Journal of Emerging Trends in Engineering and Applied Sciences (JETEAS)*, ISSN:2141-7016, <http://www.jeteas.scholarlinkresearch.org>, **Vol. 3(5)** pp.874-880.
15. Chidolue, C. A. and **Aginam, C. H.** (2012) The Effect of Sway-Rotation Interaction on the Response of Multi-storey Frames, *International Journal of Applied Engineering Research (IJAER)*, ISSN: 1087-1090, <http://www.ripublication.com/ijaer.htm>, **Vol. 7 (11)** pp. 1253-1262
16. Okonkwo, V. O., **Aginam, C. H.** and Chidolue, C. A. (2012) Contribution of Axial Deformation in the Analysis of Rigidly Fixed Portal Frames, *International Journal of Modern Engineering Research*, <http://www.ijmer.com> Vol. 2 (6) pp. 4244-4255
17. Okonkwo, V. O., **Aginam, C. H.** and Onodagu, P. D. (2012) Contribution of Shear Deformation in the Analysis of Rigidly Fixed portal Frames, *ARPJN Journal of Engineering and Applied Sciences*, ISSN:1819-6609, <http://www.arpnjournals.com> **vol. 7(10)**, pp. 1246-1257.
18. Chidolue, C. A. and **Aginam, C. H.** (2012) Effect of shear on Stress Distribution in Redundant Frames, *International journal of Soft Computing and Engineering (IJSCE)*, ISSN: 2231-2307, <http://www.ijjsce.org>. **Vol 2(3)** pp. 199-206.
19. Chidolue, C. A. and **Aginam, C.H.** (2012) Effect of Shape Factor on the Flexural-Torsional-Distortional Behaviour of Thin-walled Box Girder Structures, *International*

- Journal of Engineering and Advanced Technology (IJEAT)* ISSN: 2249-8958, <http://www.ijeat.org> ,vol. **1(5)** pp. 469-479.
20. Ezeagu, C. A., Umenwaliri, S. N., **Aginam, C. H.**, and Joseph, C. A. (2012) Comparative Overview of Timber and Steel Roof Truss System, *Research Journal in Engineering and Applied Sciences* ISSN: 2276-8467 <http://www.emergingresource.org> Vol. **1 (3)** pp. 177-183.
 21. Okonkwo, V. O., Onyeyili, I. O., **Aginam, C. H.** and Onodagu, P.D. (2012) Analysis of Deformation Behaviour of Single Storey Frames subjected to different Loading, *Journal of Innovative Research in Engineering and Sciences*, ISSN: 2141-8225. <http://www.grpjournals.org/journal/category/JOIRES.aspx>, Vol. **3 (1)** pp. 421-431.
 22. **Aginam, C. H.** (2011) Analysis of Thin Rectangular Plates Using Ritz Direct Variation Method, *International Journal of Engineering* Vol. **5 no. 3** pp.149-160.
 23. Ezeagu, C.A, Umenwaliri, S.N. and **Aginam, C.H.** (2011) Analytical and Experimental Comparison of Deflection in Timber Double Chord Truss System, *Journal of Emerging Trends in Engineering and Applied Sciences* ISSN- 2141-7016, <http://www.jeteas.scholarlinkresearch.org> Vol **2 No 4** pp. 587-597.
 24. Ihueze, C. C. Onyechi, P.C, **Aginam, C. H.** and Ozoegwu, G.C (2011) Finite Design against Buckling of structures under continuous Harmonic Excitation, *International Journal of Applied Engineering Research*, ISSN 0973-4562, <http://www.ripublication.com/ijaer.htm>, Vol. **6 Number 12** PP 1445-1460.
 25. Ihueze, C. C., Onyechi, P.C., **Aginam, C.H.** and Ozoegwu, G.C. (2011) Design against Dynamic Failure of Structures with Beams and Columns under Excitation, *International Journal of Theoretical and Applied Mechanics*, ISSN 0973-6085, <http://www.ripublication.com/ijtam.htm>, Vol. **6, Number 2** PP 153-164.
 26. Okonkwo, V.O., **Aginam, C.H.** and Chidolue, C.A. (2010) Analysis of Internal Support Moments of Continuous Beams of Equal Spans using Simplified Mathematical Model Approach, *Journal of Sciences and Multidisciplinary Research*, <http://www.cenresin.org>, Vol. **2**, pp 72-80.
 27. **Aginam C. H**, Okonkwo, V. O. and Onodagu, P.D. (2010) Application of Finite Series in the Analysis of Internal Support Moments of Continuous Uniformly Loaded Beam of Equal Spans, *Journal of Engineering and Applied Sciences*, <http://www.cenresin.org>. Vol. **2**, pp.124-139.
 28. Adinna, B. O., Umenwaliri, S. N., **Aginam, C. H.** (2010) Effects of Centripetal Force and Highway deterioration on valley curves of National Highways(A case of Enugu-Awka Expressway), *Journal of Engineering and Applied Sciences*, <http://www.cenresin.org>, Vol. **2**, pp. 1-9

29. Onodagu P. D., Chidolue C. A. and **Aginam C. H.** (2009) Investigations into the Dynamic Slenderness of Reinforced Concrete Multi-cell box Culverts for the Traffic Uses, *Journal of Engineering and Applied Sciences*, ISSN:1119-8109, **Vol. 4 (1 & 2)** pp 88-94.
30. Chidolue, C. A., **Aginam C. H.**, and Onodagu, P. D. (2009) The effects of Steel yield strength on the Structural costs of stanchions, *Journal of Engineering and Applied Sciences*, ISSN: 1119-8109, **Vol. 4 (1 & 2)**, pp 95-101.
31. **Aginam C.H.** (2001), "Soil Stabilization-A factor towards Planning and Development of Rural Infrastructure" Okenwa G. E. (ed), Planning, Development and Maintenance OF Infrastructures and Growth of National Economy, Nigerian Institution of Surveyors, Anambra State Branch pp251-262.

ii). Conferences/workshop attended

1. Ezeagu, C. A., Ezenwanma, A. A., **Aginam, C. H.** and Sambo, A. H. (2012) "Monitoring and Reliability Study on the Structural Elements at Onne, Port Harcourt using Non-destructive Method", A paper Presented at National Conference on Infrastructural Development and Maintenance in the Nigerian Environment at Nnamdi Azikiwe University, Awka.
2. A 3-day Workshop on the design of water Retaining structures-organized by NSE Benin Branch 27th-29th March 1995.
3. Nigeria's Engineering Family and Emerging Technologies-8th Engineering Assembly 26th- 28th August 1995, P.H.
4. The Structural Engineers and Poverty Alleviation Programme, Nigerian Institution of Structural Engineers, 25th- 26th October 2000.
5. A3- Day workshop on the Design of High Rise Buildings, Nigerian Institution of Structural Engineers, 22nd-24th May 2001, Lagos.
6. 5th African Regional Conference on Engineering Education on Harnessing scarce Resources for Advancement of engineering Education, 9th-12th September, 2013, Lagos.

iii). Technical papers

1. **Aginam, C.H.** (1996), Council for Regulation (COREN) Report on the Practical knowledge acquired on the Engineering Profession
2. **Aginam, C. H.**, Onugha, E G. and Muobike, F. I. (1998) Technical Report/Audit of National Rural Water Supply Programme in Anambra State, Petroleum Trust Fund, Cost-N750m.

3. **Aginam, C.H.**, (1998) Technical Audit/Audit Of Highways, Bridges and Urban Roads Rehabilitation of Lot 21B-Umuahia-Abiriba-Arochukwu-Nkana Ikpe-Ikot Nkon Road, Petroleum Trust Fund Cost N650M.
4. **Aginam, C. H.** (2002), Structural Quality of Civil Engineering Building/Wood workshop Project at the Extension Site, Federal Polytechnic, Oko (Commissioned by the Rector, to ascertain the state of Structural Failures in the Project, and the possible remedies), Project cost N25M
5. **Aginam, C. H.**, and Onyeyili I. O., (2009) Structural and Quality Verifications on Chike Obi Building (commissioned by Management of Nnamdi Azikiwe University, Awka to ascertain the extent of structural failures in the building and the cost implications), Project cost-N35M.

iv). Designs

1. **Aginam, C.H.** (1995), Structural analysis and Design of Modern Duplex with pent house for Chief Nelson Ilodigwe (N3million)
2. **Aginam, C.H.** (1995), Structural analysis and Design of country Home for Engr. Timothy Ik. Onyedum (N10 million)
3. **Aginam, C.H.** (1998), Structural analysis and Design of Modern Country home for Mr. G.C. Nwosu at Oko (N25m)
4. **Aginam, C.H.** (1995), Structural analysis and Design of Surface Water reservoir for Oko Community (35M).
5. **Aginam, C.H.** (1995), Structural analysis and Design of Residential Home (duplex with Pent house) for Mr. Nkem Onyemefolu (N16)

ATTESTATION

I certify that the information given by me in the above section is correct.

ENGR. C.H. AGINAM