

# CURRICULUM VITAE

**Name of Institution:** Sunyani Technical University, P. O. Box 206, Sunyani  
**Name of Staff:** Kwadwo Adinkrah-Appiah (PhD)  
**Profession:** Civil Engineer (Academic staff)  
**Status:** Associate Professor  
**Date of Birth** 9<sup>th</sup> June, 1969  
**Years with Institution:** 17 Years  
**Nationality:** Ghanaian  
**Marital Status:** Married with 3 children  
**Tel:** 0205862167/0244389790  
**E-mail:** [jojoappiah2001@yahoo.co.uk](mailto:jojoappiah2001@yahoo.co.uk)

## PERSONAL VALUES

Excellent communication skills, excellent interpersonal skills, visionary, highly motivated individual, excellent managerial skills, highly ambitious, respectful, humble, sociable, results-oriented, good team player, good rapport with industry, hardworking, great urge for resource mobilization, proven integrity, sound judgment and God-fearing.

Suma-Ahenkro, in the Jaman North District of the Brong-Ahafo Region where he joined the second year but remained on top of his class. He later transferred to Saint Mary's Boys Secondary School in Takoradi where he obtained his O'Level Certificate with Distinction in 1990. . .

## EDUCATION

### **Doctoral**

2011– 2015 PhD in Civil Engineering. Civil Engineering Department, Kwame Nkrumah University of Science and Technology (KNUST) – Kumasi.

### **Postgraduate**

2002–2006 M.Phil. in Civil Engineering. Civil Engineering Department, Kwame Nkrumah University of Science and Technology (KNUST) – Kumasi.

### **Undergraduate**

1993–1998 B.Sc. Civil Engineering, Kwame Nkrumah University of Science and Technology (KNUST) – Kumasi.

### **SHS**

1990 – 1992 G.C.E A'Level, St. John's School, Sekondi.

1987 – 1990 G.C.E O'Level, St. Mary's Boys Secondary School, Takoradi.

### **Professional**

2006 Professional Development Hours in Structural Modeling using RISA-3D structural Engineering Software. RISA Technologies, California, USA.

**MEMBERSHIP OF** Member of Ghana Institution of Engineers (GhIE), 2006 – present.

**PROFESSIONAL** Member of American Concrete Institute (ACI), 2012 – date.

**INSTITUTIONS** Member of American Society of Civil Engineers (ASCE), 2014 – date.

## THESIS FOR DEGREES

- 1 Adinkrah-Appiah, K. (2015). Shear strength of reinforced Palm Kernel Shell Concrete Deep Beams. A thesis submitted in partial fulfilment of the requirements for the award of PhD in Civil Engineering, submitted to the Civil Engineering Department, College of Engineering, Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana.
- 2 Adinkrah-Appiah, K. (2006). The cost of Road Accidents in Ghana for the year 2003. A thesis submitted in partial fulfilment of the requirements for the award of MPhil in Civil Engineering, submitted to the Civil Engineering Department, College of Engineering, Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana.
- 3 Adinkrah-Appiah, K. (1998). Steel reinforced concrete slabs subjected to cyclic loading. A project work submitted in partial fulfilment of the requirements for the award of BSc. in Civil Engineering, submitted to the Civil Engineering Department, College of Engineering, Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana.

## **BRIEF CURRICULUM VITAE**

### **EMPLOYMENT RECORDS**

2016:	Associate Professor of Civil Engineering, Sunyani Polytechnic.
2012 – 2016:	Senior Lecturer at Civil Engineering Department, Sunyani Polytechnic.
2006 – 2012:	Lecturer at the Building Technology Department S-Poly.
2001 – 2006:	Instructor at the Building Technology Department.
2001 – date:	Academic Staff at Sunyani Polytechnic.
2006-date	Director/Structural Engineer at Appimed Consult.
2000-2004	Structural/Civil Engineering Consultant at IKA Consult.
1998 - 2000	Site Engineer for Nissiwater Co. Ltd. – Kumasi.

### **LEADERSHIP EXPERIENCE**

2016-date:	Vice Chancellor, Sunyani Technical University.
2016:	Rector, Sunyani Polytechnic.
2016:	Acting Rector, Sunyani Polytechnic.
2013-2016:	Vice Rector, Sunyani Polytechnic.
2009-2012:	Dean of School of Engineering, Sunyani Polytechnic.
2007-2009:	Head of Building Technology Department, Sunyani Polytechnic.
2006-2007:	Sectional Head of Carpentry & Joinery Department, Sunyani Polytechnic.
2005-2006:	Acting Head of Building Technology Department, Sunyani Polytechnic.

### **RESEARCH EXPERIENCE**

- Shear strength of reinforced palm kernel shell concrete deep beams 2011-present.
- Vulnerability of building structures in the seismic zones of Ghana (2011-2013)
- Lean construction in the Ghanaian construction industry (2011 – present)
- Waste materials for the production of concrete and building blocks (2008 – present)
- The use of lateritic soils for making concrete and building blocks (2006 – present)
- Utilisation of timber in the construction industry in Ghana (2009 – present)

- Impact of compaction on the compressive strength of sandcrete blocks (2006 – present)
- Economic cost of road accidents in Ghana (2002 – 2006)

### **RESEARCH SUPERVISION**

Sole supervisor of nine (9) completed B-Tech and Fifty-four (54) HND project works with a success track record of 100% as a supervisor.

### **EXTERNAL ACTIVITIES, PROFESSIONAL IMAGE AND COMMUNITY SERVICE**

- Chairman of 6 Boards and Committees and member of 3 others at the Sunyani Polytechnic on various issues ranging from disciplinary matters, review of statutory documents, drawing of new policies and curriculum etc. (2010 to 2016).
- Chairman of 2 National Public Lectures (2014 and 2015).
- Chairman of 1 Research Conference (2015).
- Examiner for Ghana Institution of Engineers (2015-date).
- Salancrete building blocks introduced through my research has gained recognition (2009).
- Leader of the team that won 220,000 Dollars Teaching and Learning Innovation Fund (TALIF) grants for the Building Technology Department (2006).
- Have appeared on the Sunyani Polytechnic Students’ radio (Parrot FM) for a public interview on the B-Tech in Building Technology programme (2009).
- Consulting engineer and member of the area estate committee for the Church of Pentecost for the Sunyani area, Brong Ahafo and Ashanti Regions (2000 to date).
- Consultant for several construction projects in Ghana including the 8-storey Immigration Headquarters in Accra, 7-storey Bohyeba Plaza at Adum, Kumasi, 6-storey J. Adom Hotel Complex in Sunyani, 5-storey Eusbett Hotel Annex and 2000 seater-capacity Eusbett Hotel auditorium at Sunyani (2000 to date).

### **PUBLICATIONS**

Sole Author of One (1) book and Four (4) Refereed Conference papers; Co-Author of Seven (7) International Refereed Journal papers and Nine (9) Refereed Conference papers, i.e. a total of Twenty-One (21) Research Publications (2006 – date).

### **OTHER LEADERSHIP EXPERIENCE**

- 2010-date: Elder of the Church of Pentecost, PIWC, Sunyani.
- 2010-date: Treasurer of Ghana Institution of Engineers (GhIE), B/A Branch.
- 2006-date: Director of Appimed Consult, Sunyani.

### **REPORTS**

A total of two (2) reports for external bodies.

## **DETAILED CURRICULUM VITAE**

### **EMPLOYMENT RECORDS**

- 2016: Associate Professor of Civil Engineering, Sunyani Polytechnic.
- 2012 – 2016: Senior Lecturer at Civil Engineering Department, Sunyani Polytechnic.
- 2006 – 2012: Lecturer at the Building Technology Department S-Poly.

2001 – 2006: Instructor at the Building Technology Department.  
 2001 – date: Employed at Sunyani Polytechnic as a teaching staff. I have handled several courses at HND level at the Civil Engineering and Building Technology Departments of the Polytechnic. At the B-Tech level at the Civil Engineering and Building Technology Departments, I have been teaching civil engineering design and Reinforced Concrete Design since the inception of the programmes in 2015 and 2009 respectively.

**Specific Teaching Duties:**

- Civil Engineering Design I and II for B-Tech I and II students, 4 hours per week, 2009 to date.
- Reinforced Concrete Design for B-Tech in Civil Engineering (Week-end programme), 4 hours per week.
- Basic Theory of Structures to Second Year Civil Engineering class, 4 hours per week (2001-2013).
- Reinforced Concrete Design for Third Year Building Technology class (2001-2013).
- Strength of Materials I, II and III for First, Second and third ear Classes (2001-2006).
- Building Mathematics I and II for Building Technology First Year class (2001-2006).
- Supervised a number of final year BTech and HND student projects.

2006-date Director/Structural Engineer at Appimed Consult, a Building Consultancy firm at Sunyani. Responsible for structural engineering designs, detailing and supervision/management of building projects including SIF projects, Getfund Projects and other private projects across the country.

2000-2004 Structural/Civil Engineering Consultant to IKA Consult, a Building Consultancy firm at Sunyani. Responsible for structural designs, detailing and supervision/management of building projects such as VIP projects, Urban 5 Projects in Brong Ahafo and Ashanti regions of Ghana.

1998-2000 Site engineer for Nissiwater Co. Ltd. – Kumasi. I was mainly responsible for site supervision and management of building construction works at Sefwi Wiawso including the Sefwi Wiawso Public Library project and construction of water distribution systems at Sefwi Wiawso and Sefwi Bekwai in the Western Region of Ghana.

**LEADERSHIP EXPERIENCE**

2016: Vice Chancellor, Sunyani Technical University.  
 2016: Acting Rector, Sunyani Polytechnic.  
 2013-date: Vice Rector and Head of Academic Affairs at Sunyani Polytechnic.  
 2009-2012: Dean of School of Engineering, Sunyani Polytechnic.  
 2007-2009: Head of Building Technology Department, Sunyani Polytechnic. Introduced the Bachelor of Technology (B-Tech) in Building Technology programme as the first B-Tech programme at the Sunyani Polytechnic. Set up the BT Production Unit for commercial production of Hydraform, Sandcrete and Salancrete building blocks.  
 2007: Sectional Head of Carpentry & Joinery Department, Sunyani Polytechnic.

2005-2006: Acting Head of Building Technology Department, Sunyani Polytechnic. Took over as head of department when almost all the academic staff enrolled on a sandwich MSc programme at KNUST and fulltime PhD programme at the Technical University of Eindhoven (TU/e) in the Netherlands; under the NPT/NUFFIC capacity building programme at the department.

### **RESEARCH SUPERVISION**

		<i>Year</i>	<i>Title of Project</i>
1.	Atindana Abugre Esmond	2012	Characteristics of earth blocks as an input for affordable housing delivery in low income northern communities of Ghana.
2.	Oppong Francis	2012	An investigation into the failure of septic tanks in Ghana – case study: Sunyani Municipality
3.	Buertey Isaac	2011	Exploiting the potential of rice husk ash as supplement to cement in concrete works in Ghana.
4.	Hammond Okai	2011	The use of sawdust as partial replacement for sand in sandcrete block production in Ghana.
5.	Abekah Derick	2011	Flexural strength of plastic fibre reinforced concrete.
6.	Danso Wycliffe	2010	A study into the level of utilisation of timber in the building industry of Ghana – the case of the Sunyani Municipality.
7.	Emmanuel Ofori	2010	Salancrete building blocks from sand, laterite and cement for sustainable and affordable housing in Ghana.
8.	Osei Kofi Franklin	2009	The use of recycled aggregates for concrete production in Ghana.
9.	Sie Kofi Jacob	2009	Estimating the annual consumption of crushed rock aggregates in Ghana.
10.	Annor-Asubonteng Joseph	2009	A study into the suitability of using lateritic soils for concrete production in Ghana (Case study: Bole-Banboi road project).
11.	Dagadu Emmanuel	2009	A study into the field compaction characteristics of road construction firms and their effect on the design life of roads (Case study: Brong Ahafo Region).
12.	Tabiri George Bonsu	2009	Evaluation of surface dressing defects, causes and solutions with bitumen emulsion and cutback bitumen (Case study: Kumasi-Barekese stretch).
13.	54 successfully completed HND project works since 2001, with a 100% track record.		

## **COMMUNITY SERVICE, EXTERNAL ACTIVITIES AND PROFESSIONAL IMAGE**

- Design of Sunyani Polytechnic Main Entrance (2016).
- Reviewer for American Concrete Institute (ACI) Structural and Materials Journals (2016).
- Reviewer for Sunyani Polytechnic Lecture Series (2015-date).
- Chairman of the Disciplinary Board that investigated alleged misappropriation of funds by 2013/14 and 2014/15 SRC Executives (2015 – 2016).
- Chairman of Disciplinary Committee that investigates Students examination malpractices (2014-date).
- Chairman of the Team that reviewed the Sunyani Polytechnic Statutes (2014-2016).
- Chairman of the 2015 World AIDS Day National Public Lecture on the theme: “Fast Track: Meeting the Health Needs of Children towards an HIV-Free Generation”, at the Sunyani Polytechnic Auditorium, Sunyani (November, 2015).
- Chairman of the Public Sector Reforms on Performance Contract at Sunyani Polytechnic (2015).
- Member of the team that prepared the Polytechnic towards its conversion to Technical University in 2015.
- Chairman of the 2015 Sunyani Polytechnic Research Conference, Lecture Series VIII (2015).
- Chairman of the Disciplinary Board that investigated an assault case by the SAR in charge of the Polytechnic Restaurant and a worker at the same place (2015).
- Examiner for Ghana Institution of Engineers’ Professional Exams (2015 to date).
- Chairman of the Disciplinary Board that investigated alleged Misapplication and misappropriation of funds by TEWU Executives (2014).
- Chairman of the 2014 Brong-Ahafo Regional Science and Maths Clinic for Senior High School (SHS) students at Notre Dame SHS, Sunyani (February, 2014).
- Chairman of the Disciplinary Board that probed corrupt practices by the Chief Security Officer of the Polytechnic (2010).
- Member of the team that drafted the Sunyani Polytechnic Statutes when the existing statutes were found to be outmoded. As the dean of School of Engineering, I played an active role in the process leading to the drafting of the said statutes until its endorsement and introduction in 2011 at the Polytechnic (2010 – 2011).

- Sole compiler of an application for Chatter for the Polytechnic to be autonomous to award its own degrees which was eventually turned down by the National Accreditation Board (2011).
- Have led accreditation sessions of various Engineering programmes both as a Dean of School and HoD including HND and B-Tech in Building Technology, HND Mechanical and Electrical Engineering programmes (2007 – 2012).
- Member of the team that drafted the Sunyani Polytechnic SRC Constitution when the existing one was found to be outmoded. As the Dean of School of Engineering, I played an active role in the process leading to the drafting of the new constitution until its endorsement in 2011 at the Polytechnic (2011).
- Established the BT Hydraform Production Unit at the Sunyani Polytechnic as the Head of the BT department (2008).
- Salancrete building block, a walling unit made from a mixture of sand, laterite and cement for affordable housing, introduced through my research has been adopted by the BT-Production unit of the Sunyani Polytechnic for commercial production (2009).
- Member of the team that drafted the M-Tech and B-Tech Curricula for Sunyani and Cape Coast Polytechnics in 2009 and 2006 respectively. The NPT project implemented at the Building Technology departments of the two Polytechnics to build capacity for the two departments, under the auspices of the Government of Ghana and her Dutch counterpart, ended with the drafting of a M-Tech curriculum to be introduced when capacities are fully built at the two departments. I was the head of department at the Building Technology department of the Sunyani Polytechnic and hence played a very active role in that exercise (2009).
- Have appeared on the Sunyani Polytechnic students' radio (Parrot FM) for an interview on the B-Tech programme run at the Building Technology department. As the Dean of School of Engineering and former Head of the Building Technology Department when the B-Tech programme was introduced for the first time at the department, the promotion of the newly introduced programme was done through radio interviews and other media sources of which I played a leading role as an interviewee (2009).
- Leader of the team that won the Teaching and Learning Innovation Fund (TALIF) grant of 200,000 US dollars for the Building Technology Department that came to build the capacity of the department. As the acting head of department at the time, I played a leading role in the remodelling of the TALIF proposal that was nearly rejected, to a better form that was accepted by the TALIF evaluation team for implementation. A second proposal initiated by me won another 20,000 dollars for the department. The projects brought in a total of 220,000 US dollars for capacity building at the department (2006).
- A consulting engineer for public and private projects and member of the area estate committee for the Church of Pentecost for the Sunyani area and the Brong Ahafo Region.

I have designed and constructed a number of church projects. I have also been consulted on several occasions by the church to move in to rescue a number of church projects that were at the verge of collapse including Dua-Yaw-Nkwanta Central Auditorium, the 4-storey Pentecost House office complex at Sunyani, the Ashanti Mampong Central Pentecost Church, Suma Ahenkro Central Pentecost Church building etc. (2006 - date). I have offered Consultancy Services for several building projects in Ghana including the following (2000 – date):

- Design and supervision of Global Meeting House of the Church of Jesus Christ of Latter Day Saints at Sunyani (2015 - date).
- Design and construction of 3-storey Melcom building at Techiman (2011-2015).
- Design and construction supervision of 6-storey J-Adom Plaza at Sunyani (2011-date).
- Design of a 8-storey Commercial Block with basement car park for Messrs Hilda Ammo-Gotfried and Sisters at Adum, Kumasi – 2010.
- Design of a 8-storey Office Block for Ghana Immigration Service, Accra – 2010.
- Design and construction supervision of a 7-storey Commercial Block for Messrs Bohyeba Ltd at Adum, Kumasi - 2009.
- Design and construction supervision of a 3-storey Car Park/Office Complex at Sunyani Polytechnic, Sunyani – 2007 to date.
- Design of a 5-storey teachers’ Hostel at Accra Polytechnic, Accra – 2005.
- Design and Construction supervision of a 4-storey office block for Sam Bennett – Sunyani (2001-2003)
- Design and Construction supervision of a 3-storey office/bank for Drobo Community bank - Jaman-Drobo (2003-2005)
- Design and Construction supervision of a 3-storey church complex for the Pentecost International Worship Center at Sunyani (2006-2013)
- Design and supervision of a two-storey classroom block at Drobo Secondary School, Get-Fund project (2008).
- Design and supervision of a 3-storey nurses’ hostel at cape Coast Regional hospital – 2007.
- Design and construction supervision of 4-storey Burns and Plastic Surgery Unit at Korlebu Hospital (2006-2008).
- Design and supervision of the construction of Hostel Block for Berekum NTC sponsored by Ministry of Health (2005).
- Extension of Eusbett Hotel: 5-storey Hotel Structure (2003).
- Design and construction supervision of Aqua-Privy Toilets for Wenchi District Assembly – Urban V Project (2002).
- Brodekwan, Bomaa and Adrobaa markets under the Village Infrastructure Project (VIP).

### **SEMINARS ACTED AS A FACILITATOR**

2015 – Pentecost International Worship Centre (PIWC) Sunyani Professional Guilds’ week Seminar. I made a presentation on the Topic ‘Building your Dream House – Acquisition of Land and The Construction Process’.

2012 – Seminar to train Pastors, Presiding Elders, Building Committee Members and Artisans of the Asokwa Area Church of Pentecost on the theme ‘Basic construction procedures on concrete, steel and formwork’. I was one of three facilitators who delivered training at this seminar.

2009 – Seminar on training of ALBA contractors for Newmont Ghana Limited on the topic ‘Project scheduling’. I was one of three facilitators who delivered training to 12 contractors at the Eusbett Hotel in Sunyani.

### **SEMINARS/WORKSHOPS ATTENDED**

2016 – Workshop on training of Vice Chancellors of Technical Universities Organized by the German Academic Exchange Services (DAAD).

2009 – Seminar on Ground Improvements for Foundation Works organized by the International Geotechnical Society of Ghana at the Ghana Institution of Engineers Centre, Accra.

2008 – Workshop on Consultant’ Services to build the capacity of Local Government agencies and Public Institutions at GIMPA, organized by GIMPA in collaboration with the World Bank.

2008 – Seminar on CBT training for Heads of Departments at Techiman, under the aegis of the NUFFIC/NPT project on capacity building for the management of Polytechnics in Ghana, through the sponsorship of Ghana government and her Dutch counterpart.

2008 – CBT training for Sunyani and Cape Coast Polytechnic lecturers under the sponsorship of the NPT-047 Project funded by the Netherlands & Ghana governments.

2006 – Seminar on Housing Delivery: A Tool for Poverty Reduction and Good Governance, by Ghana Institution of Surveyors.

2002-2003 - Attended training seminars under Urban V and VIP projects on management of donor-funded projects.

### **RECENT CONFERENCES WHERE PAPERS WERE PRESENTED**

1. Sunyani Polytechnic Lecture Series VIII. Presented two papers (November, 2015).
2. First International Conference on Environment, Science, Technology and Entrepreneurship (ESTE), School of Engineering, KNUST, Kumasi. Presented two papers. (August, 2015).

### **REFEREED JOURNAL PUBLICATIONS**

1. **Adinkrah-Appiah, K.** Adom-Asamoah, M. and Afrifa, R. O. (2016). Ductility behaviour of reinforced palm kernel shell concrete deep beams. Journal of Structural Engineering and Mechanics, in Press.
2. **Adinkrah-Appiah, K.** Kpamma, E. Z. Nimo-Boakye, A. Asumadu, K. T. Abeka, K. H. Asiamah, S. Boamah, S. and Obeng-Ankamah, N. (2016). Annual consumption of crushed-

stone aggregates in Ghana. Accepted to be published in the next edition of the Journal of Civil Engineering and Architecture Research.

3. **Adinkrah-Appiah, K.** Adom-Asamoah, M. and Afrifa, R. O. (2016). Characterization and shear strength prediction of reinforced concrete deep beams – a review. International Journal of Science and Research (IJSR). ISSN (Online): 2319-7064. Volume 5, Issue 3, March 2016. Pp. 1789–1798.
4. **Adinkrah-Appiah, K.** and Zoya Kpamma, E. Z. (2015). Improving the Structural Characteristics of Earth Blocks as an Input of Affordable Housing for Low-Income Northern Communities of Ghana. International Journal of Science and Research (IJSR). ISSN (Online): 2319-7064. Volume 4 Issue 9, September 2015. Pp. 1119-1126.
5. **Adinkrah-Appiah, K.** Adom-Asamoah, M. and Afrifa, R. O. (2015). Reducing Environmental Degradation from Construction Activities: The Use of Recycled Aggregates for Construction in Ghana. Journal of Civil Engineering and Architecture Research. Vol. 2, No. 8, 2015. Pp. 831-841.
6. Kpamma, E. Z. **Adinkrah-Appiah, K.** and Agyefi-Mensah, S. (2013). Bachelor of Technology (B-Tech) Programme in Building Technology at the Sunyani Polytechnic Based On the Competency-Based Training (CBT) Model: A Review. Journal of Education and Practice. [www.iiste.org](http://www.iiste.org). ISSN 2222-288X (Online) Vol.4, No.10, 2013. Pp. 143-151.
7. Adams, C. A. Salifu, M. and **Appiah, A. K.** (2006). The cost of road traffic accidents in Ghana for the year 2003. Journal of the Ghana Institution of Engineers. Volume 4, Number 1, June 2006. ISBN 0855-0843. Pp. 7-14.

### **BOOK PUBLICATION**

8. **Adinkrah-Appiah, K. (2016).** Shear Strength of Reinforced Palm Kernel Shell Concrete Deep Beams. LAP Lambert Academic Publishing, Germany. ISBN: 978-3-659-83445-5.

### **CONFERENCE PROCEEDINGS**

9. **Adinkrah-Appiah, K.** and Obour G. D. (2016). Fused laterite powder substitution for cement in concrete production. Kumasi polytechnic International Conference on Applied Science and Technology (ICAST). Paper submitted for August 2016 Conference.
10. **Adinkrah-Appiah, K.** Obeng-Ankamah, N. and Abeka K. H. (2015). Concrete Pavement Slabs Reinforced with Steel Fibres from Discarded Vehicle Tyres. Proceedings of the Sunyani Polytechnic Internal Lecture Series I, 18<sup>th</sup> – 21<sup>st</sup> November, 2015. Pp. 1-
11. Nimo-Boakye, A. Nana-Addy, E. and **Adinkrah-Appiah, K.** (2015). Rice husk powder as partial replacement of Ordinary Portland Cement in compressed earth blocks production. Sunyani Polytechnic Maiden Internal Lecture Series I, 18<sup>th</sup> – 21<sup>st</sup> November, 2015.

12. **Adinkrah-Appiah, K.** Adom-Asamoah, M and Afrifa, R. O. (2015). Evaluation of shear strength of reinforced concrete deep beams. First International Conference on Environment, Science, Technology and Entrepreneurship (ESTE). School of Engineering, KNUST, Kumasi.
13. **Adinkrah-Appiah, K.** Adom-Asamoah, M and Afrifa, R. O. (2015). Shear strength prediction of palm kernel shell RC deep beams without shear reinforcement. First International Conference on Environment, Science, Technology and Entrepreneurship (ESTE). School of Engineering, KNUST, Kumasi.
14. Abekah, H. Adom-Asamoah, M. and **Adinkrah-Appiah, K.** (2015). Predicting early age thermal cracking in mass concrete. First International Conference on Environment, Science, Technology and Entrepreneurship (ESTE). School of Engineering, KNUST, Kumasi.
15. **Adinkrah-Appiah K.** (2012). The potential of rice husk ash as a partial replacement for cement in concrete production in Ghana. 1<sup>st</sup> International Conference on Infrastructure Development in Africa (ICIDA) conference proceedings 2012. College of Architecture and Planning, Kwame Nkrumah University of Science and Technology, Kumasi. Pp72-86.
16. Kpamma E. Z. Kamil Z. M. and **Adinkrah-Appiah K.** (2012). Making wall construction process lean: The interlocking block system as a tool. 1<sup>st</sup> International Conference on Infrastructure Development in Africa (ICIDA) conference proceedings 2012. College of Architecture and Planning, Kwame Nkrumah University of Science and Technology, Kumasi. Pp157-175.
17. Asumadu, K. T. Asiedu S. B. and **Adinkrah-Appiah, K.** (2012). The profitable options of solid waste management in Ghana. Proceedings of Sunyani Polytechnic Lecture Series VII, 18<sup>th</sup> – 21<sup>st</sup> November, 2012, Pp 313-323.
18. **Adinkrah-Appiah K.** (2010). Reducing environmental degradation from construction activities through the use of recycled aggregates for building and infrastructural projects in Ghana. Presented at the Sunyani Polytechnic Lecture Series VI in 2010.
19. **Adinkrah-Appiah K.** (2010). Concrete produced from non-conventional coarse aggregates for housing construction in Ghana. Presented at the Sunyani Polytechnic Lecture Series VI in 2010.
20. **Appiah A. J.** (2009). Salancrete building blocks from mixture of sand, laterite and cement for sustainable and affordable housing in Ghana. Sunyani Polytechnic Lecture Series V, Sunyani. Pp157-175.

#### **OTHER LEADERSHIP EXPERIENCE**

2010-date: Elder of the Church of Pentecost, at Pentecost International Worship Centre (PIWC), Sunyani. Served as a member of the 6-member Executive Board of the church (2014-2016).

- 2010-date: Treasurer and Executive Member of Ghana Institution of Engineers (GhIE), B/A Branch.
- 2006-date: Director of Appimed Consult, a Structural Engineering Consulting firm based in Sunyani.

**REPORTS**

1. Kwadwo Adinkrah-Appiah. Structural Engineering Design Report on the 7-storey Bohyeba Plaza at Adum Kumasi. Consultancy Design Report, 2008.
2. Kwadwo Adinkrah-Appiah. Structural Engineering Design Report on the 8-storey Specialist Hospital at Accra. Consultancy Design Report, 2009.

**HOBBIES**

Reading of research papers and gospel literature, watching of documentaries and farming.

**LANGUAGES**

English  
 French  
 Twi

**SPOKEN**

Excellent  
 Fair  
 Excellent

**WRITTEN**

Excellent  
 Fair  
 Excellent

**REFEREES:**

1. Prof. M. Adom-Asamoah, Provost, College of Engineering, KNUST, Kumasi, 0208968363, [markadomasamoah@gmail.com](mailto:markadomasamoah@gmail.com).
2. Prof. Edward Badu, Former Provost, College of Built Environment and Architecture, KNUST, Kumasi, 0208129324/0264986843, [edwardbadu@yahoo.com](mailto:edwardbadu@yahoo.com)
3. Pastor Clement Achim-Gyimah, Pentecost International Worship Centre (PIWC), Sunyani, 0203113357/0244989580, [achimgyimah@gmail.com](mailto:achimgyimah@gmail.com).

**CERTIFICATION**

I, the undersigned, certify that, to the best of my knowledge and belief, these data correctly describe me, my qualifications and my experience.

Signature of staff member: .....

Date: .....