**CURRICULUM VITAE OF REV. (DR.) VICTOR KWESI QUAGRAINE**

**KEY QUALIFICATIONS:**

Victor Kwesi Quagraine is a Catholic priest who also acquired experts’ knowledge in Architecture, Construction Management and Environmental Design and Planning. Currently, he is employed full time as a Senior Lecturer at the Department of Architecture, Kwame Nkrumah University of Science and Technology (KNUST) Kumasi, Ghana. He holds a Ph.D. degree in Environmental Design and Planning from Virginia Polytechnic and State University, Blacksbury, USA, a Master of Architecture degree and a Master of Construction Management degree from Washington University in St. Louis, USA and B.A. Hons. (in Sociology and Religion) from University of Ghana, Legon.

Victor K. Quagraine has twelve (12) years’ experience in teaching, research and practice. He is interested in interactive way of teaching to bring out the best in students and make them aware they are co-creators of knowledge with teachers and facilitators. He has passion to help in poverty alleviation projects through the implementation of cutting-edge planning, design and management practices. Most of his research concentrates on environmental enhancement to ensure quality human life. He has assisted in the design and supervision of the construction of church, school and hospital buildings all over the southern Ghana on gratis to satisfy his passion of helping ensure the development of humanity, especially the less privileged. He is involved in the delivery of sustainable projects such as the provision of clean energy (solar energy), quality education in the rural areas through distance learning (e.g. the Cardinal Foundation for Distance Learning, CAFDIL, projects) and quality health delivery system.

Victor K. Quagraine has very good interpersonal skills, and together with his sociology and religious background, he is able to relate very well with colleagues and students. He believes in high performance team work and has the ability to encourage team members to acquire their best.

**KEY QUALIFICATIONS:**

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| **Name:** | Quagraine, Victor Kwesi |
| **Department:** | Architecture |
| **College:** | College of Art and Built Environment |
| **Employer:** | Kwame Nkrumah University of Science and Technology, Kumasi |
| **Present Position:** | Senior Lecturer |
| **Date of Birth:** | 22 November 1964 |
| **Place of Birth:** | Saltpond |
| **Marital Status:** | Single |
| **Spoken/Written Language:** | English and Fanti |

**ACADEMIC DEGREES EARNED WITH DATES**

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| --- | --- |
| January 2004-May 2007 | Ph.D. (Environmental Design and Planning) Virginia Polytechnic and State University, Blacksbury-USA |
| \*August 1999-August 2003 | M.Arch (Master of Architecture) Washington University in St. Louis-USA |
| \*August 1999-August 2003 | MCM (Master of Construction Management) Washington University in St Louis-USA |
| September 1991-June 1994 | B.A. Hons (Sociology and Religion) University of Ghana |

**\*Notes**: Dual Degree (Master of Construction Management/Master of Architecture (MCM/March) from Washington University in St. Louis, MO, USA.

**FELLOWSHIP/AWARD/PRIZE/CERTIFICATE**

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| **Awards:** | 1. Myers Lawson School of Construction, Virginia Polytechnic and State University, Blacksbury-USA: Outstanding Graduate Student (2007) |
| 1. Architects’ Christian Fellowship (Students) (KNUST, Kumasi): Patron (2011) |
| 1. Catholic Diocese of Koforidua: For design and supervision of All Saints Catholic Church, Akim Oda (December 2018) |
| 1. St. Teresa’s Minor Seminary (Amisano): For immense contribution to the completion of the Seminary’s Main Administration, Library and ICT Center Project (2019) |

**INSTITUTIONS ATTENDED WITH DATES**

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| --- | --- |
| January 2004-May 2007 | Virginia Polytechnic and State University, Blacksbury-USA |
| August 1999-August 2003 | Washington University in St Louis-USA |
| September 1991-June 1997 | St. Peter’s Regional Seminary, Cape Coast-Ghana (Affiliated: University of Ghana) |
| September 1988-June 1991 | St. Paul’s Seminary, Accra-Ghana |
| September 1981-June 1988 | St. Teresa’s Minor Seminary, Elmina-Ghana |

**PROFESSIONAL RELATED PROJECTS**

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|  | Preparation of Planning Schemes for the Roll-Out Phase of the Cardinal Foundation for Distance Learning (CAFDIL), after the Pilot Phase **(October 2019-January 2020)** |
|  | Team member for the completion of the design and supervision for the construction of the KNUST Catholic Church Building **(2019-2020)** |
|  | Consultant: Renovation of Holy Spirit Cathedral Building, Accra **(August 2017)** |
|  | Conduct of the Feasibility Study of St Paul’s Catholic Cathedral, Techiman and completion of design **(2017)** |

**UNIVERSITY TEACHING**

**Subjects/Courses taught:**

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| --- | --- | --- | --- | --- |
|  | **Date** | **Course Code** | **Course Title** | **Year** |
| 1 | 2008 to 2012 | ARC 457/458 | Multi Criteria Architectural Design/Design of Special Buildings | BSc. Architecture Year 4 |
| 2 | 2008 to 2012 | ARC 461/462 | Research Writing I/Research Writing II | BSc. Architecture Year 4 |
| 3 | 2009 to date | ARC 555 | Environmental Design I | Postgraduate Diploma/Master of Architecture Year 1 |
| 4 | 2010/2011 | ARC 361 | Environmental Planning | BSc. Architecture Year 3 |
| 5 | 2010 to 2013 | ARC 364 | Research Methodology | BSc. Architecture Year 3 |
| 6 | 2010 to 2015 | ARC 362 | Design Economics | BSc. Architecture Year 3 |
| 7 | 2013 to 2014 | ARC 257/258 | Rural Culture and Architecture/Design in Rural Environment | BSc. Architecture Year 2 |
| 8 | 2013 to date | ARC 262 | Urban Design, Housing and Landscape Architecture *(Service Lecturer, Department of Horticulture)* | BSc. Landscape Design and Management Year 2 |
| 9 | 2013 to date | ARC 675/676 | Advance Urban Design and Development I & II | MSc. Architecture Year 1 |
| 10 | 2013 to date | ARC 811/812 | Advance Urban Design and Development I & II | MPhil/PhD Architecture Year 1 |
| 11 | 2014 to date | ARC 557/558 | Urban Studies and Design Studio I & II | Master of Architecture Year 1 |

**DETAILS OF ONGOING RESEARCH**

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|  | Influencing Secondary cities in Ghana for Ecological evolution **(2018 – Ongoing)** |
| 1 | Problems and the creation of green spaces in Ghana  **3 Papers published** |
| 2 | Using solar to generate self-sufficient energy for residential buildings in Ghana **(2018 – Ongoing)**  **Installation completed 2019** (at Catholic Archdiocesan Secretariat, Cape Coast) |
| 3 | Protection of Wetlands in Ghana. **(2019-Ongoing)**  **1 Manuscript under review** |
| 4 | The influence of open markets on highways in Ghana  **1 Paper published** |
| 5 | Issues that accompany Highway enhancements in Ghana. **(2019-Ongoing)** |
| 6 | Waste management issues in Ghana. **(2019-Ongoing)**  **1 Paper published** |
| 7 | Classification and documentation of Architectural Heritage in Ghana **(2019-Ongoing)**  **2 Papers published**  **1 Conference paper published** |
| 8 | The enhancement of Pilgrimage Centers into National Tourist Centers. **(2019 – Ongoing)** |
| 9 | Barrier free Architecture and Drone delivery Centers in Ghana. **(2020-Ongoing)** |
| 10 | An investigation into the causes, effects and solutions to indoor air pollution in residential buildings in Ghana **(2008)**  **1 Paper published** |
| 11 | Promotion of Building Information Modelling in the design and construction industries in Ghana **(2012)**  **1 Conference paper published** |
| 12 | Shopping Malls as catalysts for suburban development in Ghana. **(2015)**  **1 Paper published** |
| 13 | Improving labor-based design and construction in Ghana for employment purposes **(2009 – Ongoing)**  **1 Paper published**  **1 Conference paper published** |

**PUBLICATION ARISING OUT OF THE RESEARCH**

**Refereed Journal Articles, Book Chapters and Conference Papers**

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| **Refereed Journal Articles** | |
| 1 | * **V. K. Quagraine** and D. Opoku (2021). The presence and impact of urban road corridor commercialization on abutting buildings: the case of Ejisu. *Journal of Science and Technology*, Vol. 39, Nos 1, 2 & 3 (2021). Pp 110-120. |
| 2 | * K. Twumasi-Ampofo, R. A. Oppong and **V. K. Quagraine** (2021) Awareness of preservation of historic buildings and sites in Ghana: the case of residents in Kumasi. Journal of Cultural Heritage Management and Sustainable Development * DOI 10.1108/JCHMSD-06-2020-009 |
| 3 | * K. Twumasi-Ampofo, R. A. Oppong and **V. K. Quagraine** (2020) The State of Architectural Heritage Preservation in Ghana: A Review, Cogent Arts & Humanities, 7:1, 1812183, DOI: 10.1080/23311983.2020.1812183 |
| 4 | * **Quagraine V** and Baawone F. (2020). The relevance and preferred features of green parks in Ghana: A study of Manhyia district in Kumasi. Accepted JUST. |
| 6 | **Quagraine, V. K**., R. A. Oppong and K. Twumasi-Ampofo (2016). Assessment of the Resettlement Compensation Satisfaction of Wood Workers at Sokoban, Kumasi. *Journal of Science and Technology*, Vol. 36, No. 3 (2016). Pp 100-110. |
| 7 | **Quagraine, V. K**., R. A. Oppong and J. Agyekum-Sah (2016). Shopping Malls as Catalyst for Sub-Urban Development in Ghana. *Journal of Science and Technology*, Vol. 36, No. 3 (2016). Pp 83-99. |
| 8 | **Quagraine V. K.**, Oppong, R. A. and Baawone, F. (2016). A Quantitative Assessment of Relationship between Urban Green Parks and Self-Esteem of Urban Children and Adolescents (Teenage Group) in Ghana. *Civil and Environmental Research*, Vol.8, No.3. Pp. 55-63. |
| 9 | Oppong, R. A., Essel, C. and **Quagraine, V**. (2015). Containerisation, Portable Architecture and Image of Ghanaian Cities. *Developing Country Studies*, Vol. 5, No.21, 2015. Pp 143-153. |
| 10 | **Quagraine, V. K**., S. O. Afram and G. A. Biekro (2015). Exploring the Sculptural Potentials of Plastic Waste for the Reduction of the Waste Menace in Accra, Ghana. *Journal of Building and Road Research*, Vol. 15. |
| 11 | Amos-Abanyie, S., Fred O. Akuffo, F. O. and **Quagraine V** (2009). Unveiling Energy Saving Techniques for Cooling in Residential Buildings in Ghana. *International Journal of Ventilation*, Vol 8, Issue 1. Pp. 23-35. |
| 12 | **Quagraine**, V. K., S.G Brandenburg and J.Y Beliveau (2009). Improving labor-based road rehabilitation in Ghana. *Journal of Management in Engineering, American Society of Civil Engineers (ASCE)*, April 2009, Vol 25 Issue 2. Pp. 87-96. |
| 13 | Quagraine V. and N. Boschi (2008). Behavioral changes can help prevent indoor air-related illnesses in Ghana. Building and Environment 43, 355-361 |
| **Book Chapters** | |
| 14 | Inkoom D. K .B and **V. K. Quagraine** (2014). Central Region in Adarkwa K.K (ed), Human Settlements and Service Delivery in Ghana. University Printing Press, KNUST, Kumasi, Ghana. Pp. 126-161. |
| 15 | **Quagraine, V. K.** (2011). Urban Landscape Depletion in the Kumasi Metropolis in Adarkwa K.K (ed), The Future of the Tree: Planning and Managing the Development of Kumasi, Ghana. University Printing Press, KNUST, Kumasi, Ghana. Pp. 212-233. |
| **Refereed Conference Papers** | |
| 16 |  |
| 17 | * E. Owusu Banahene, R. Assasie Oppong and **V.K. Quagraine** (2017). The Challenges of Highway Crossing: the Case of Santasi, Kumasi. Proceedings of the 6th International Conference on Infrastructure Development in Africa, April 12–14, 2017. Pp. 187-197 |
| 18 | **Quagraine, V. K**., G.F.A. Olympio and R.M. Dinye (2013). The Assessment of the readiness of the Ghanaian Housing Industry for the adoption of Building Information Modeling (BIM) as an Innovative means to improve the Housing stock. Proceedings of the 2nd International Conference on Infrastructure Development in Africa 17th -19th March, 2013, Johannesburg, South Africa. Pp. 300-309. |
| 19 | Dinye, R. M., G.F.A. Olympio and **V.K. Quagraine** (2013). Urbanization, Land Use Planning and Infrastructure Development in Ghana. Proceedings of the 2nd International Conference on Infrastructure Development in Africa 17th-19th March, 2013, Johannesburg, South Africa. Pp 319-328. |
| 20 | **Quagraine, V**. and Boschi, N., (2005); A Few Behavioral Changes Can Go a Long Way to Improve Indoor Air Quality in Ghana. Indoor Air 2005 International Conference on Indoor Air Quality and Climate No10, Beijing, China (05/09/2005). |
| 21 | **Quagraine, V. K**., G.F.A. Olympio and R.M. Dinye (2011). Envisioning the Impact of Using Family-Based Labor Management Concept for Labor-Based Rehabilitation in Ghana. Proceedings of the 14th ILO Regional Seminar for Labour-Based Practitioners, Accra International Conference Centre, Ghana, 5th -9th September, 2011. Pp. 409-427. |
| 22 | **Quagraine, V. K.** and J Attipoe. (2011). Architectural Design Solutions to Indoor Air Related Diseases in the Urban Areas in Ghana. Proceedings of the 12th International Conference on Indoor Air Quality and Climate, Austin, Texas, USA, 5-10th June. Pp. 210-217. |

1. **RECORD OF SERVICE TO THE COMMUNITY (UNIVERSITY/NATIONAL/INTERNATIONAL WITH DATES AND SUPPORTING EVIDENCE)**
2. **Service to the University Community**

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|  | **Date/Period** | **Position/Role** |
| 1 | March 2020 to date | **Examination Moderator,** Department of Architecture, KNUST |
| 2 | February 2020 | **Member**, Proposal Review Committee- MSC Transportation Leadership Curriculum, KNUST |
| 3 | November 2018 to Date | **Member,** Department Budget Committee, KNUST |
| 4 | December 2018 to Date | **Assistant Co-Ordinator**, Funding/Research Grants & Promotion, Department of Architecture, KNUST |
| 5 | December 2018 to Date | **Co-Ordinator, Counselling** Department of Architecture, KNUST |
| 6 | October 2018 | **Member,** Committee for the submission of a proposal for the creation of a Center of Urban Design in KNUST. |
| 7 | December 2017 | **Member**, Committee to develop a Master’s Programme in Landscape Architecture for the Department of Architecture |
| 8 | 2017 | **Member**, Committee to Evaluate the Orientation Programmes for Freshmen |
| 9 | 2016 | **Member**, Committee for the Design of the Doctor of Philosophy (PhD) in Architecture programme for the Department of Architecture, KNUST |
| 10 | 2015 | **Secretary**, Committee of Review of BSc (Architecture) Syllabus, KNUST |
| 11 | 2014 | **Chairman**, Review of Master of Architecture (M.Arch) programme for Department of Architecture, KNUST |
| 12 | September, 2013 to Date | **Resource Person**, College of Built Environment, KNUST, Freshmen Orientations |
| 13 | December 2012 to Date | **Reviewer**, Journal of Science and Technology (JUST) of the Kwame Nkrumah University of Science and Technology, Kumasi |
| 14 | 2011 | **Leader**, Architectural Design Sub-committee for the design of the proposed KNUST Technology Park Project |
| 15 | May, 2011/2019 to Date | **Member,** Technical Committee for the completion of the Design and Construction of the on-going KNUST Catholic Church building |
| 16 | 2010 | **Chairman**, Committee for the Review of Undergraduate programme (courses content, review of courses’ names, etc.) in Architecture, KNUST |
| 17 | 2009-2010 | **Representative**, Faculty of Architecture and Building Technology representative to the College Board (of Architecture and Planning), KNUST:] |
| 18 | 2009-2013 | **Co-ordinator**, Undergraduate Programme in Architecture, College of Architecture and Planning, KNUST |
| 19 | January 2009 to Date | **Academic Tutor,** Department of Architecture, KNUST |
| 20 | January 2009 to Date | **Internal Examiner**: for M.Arch, MSc. And MPhil in Architecture, KNUST |
| 21 | August 2008 to Date | **Assisting Chaplain,** Our Lady of the Holy Rosary Catholic Chaplaincy, KNUST |

1. **Service to the National Community**

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|  | **Date/Period** | **Position/Role** |
| 1 | August 2019 to Date | **Member**, Board of Directors of the Cardinal Foundation for Distance Learning (CAFDIL). |
| 2 | February 2017 - December 2018 | **Resource Person, the** design and supervision of the construction of the All Saints Catholic Church, Akim Oda |
|  | November 25 2017 to Date | **Chairman,** Matthew’s Cape Coast Foundation, Archdiocese of Cape Coast. |
| 3 | 2015 to Date | **Resource Person,** the design and construction of the proposed St. Paul’s Catholic Cathedral Building for the Techiman Catholic Diocese. |
| 4 | 2010 to Date | **Member,** Board of Directors, Mercy Catholic Women’s Hospital, Mankessim |
| 5 | 2008 to Date | **Designer and Coordinator,** Cape Coast Catholic Archdiocese Building Projects |

1. **Service to the International Community**

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|  | **Date/Period** | **Position/Role** |
| 1 | 2016 | **Reviewer**, Waste Management Research Journal (‘Occupational Exposure to the Municipal Solid Waste Workers in Chandigarh, India’) |

SIGNATURE: ………………………………………………………. DATE: 18/10/2021