

CURRICULUM VITAE

Samuel Gathuka Waweru

OND (KP), HND (KP), PMC (KYOTO), MSc. Eng (JKUAT), PhD Eng (MMUST), FIET

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PROFESSIONAL BACKGROUND:

MAY 2022 – TO DATE:

Acting Deputy Principal TVET Institute – Assisting the Principal on day to day running of the MMUST TVET Institute. Also involved CBET curriculum development and training.

AUGUST 2017 – APRIL 2022:

Director TVET – In charge of coordinating and overseeing all TVET activities at Masinde Muliro University of Science & Technology (MMUST). This includes development and accreditation of TVET Programmes from certificate and diploma to degree, establishing linkages with industry and other TVET institutions and developing funding proposals.

JUNE 2012 – TO DATE:

Senior Lecturer - Masinde Muliro University of Science & Technology (MMUST), Civil and Structural Engineering Department. Involved in teaching and supervising undergraduate and postgraduate students, research, consultancy and outreach.

APRIL 2005 – MAY 2012:

Lecturer - Masinde Muliro University of Science & Technology (MMUST), Civil and Structural Engineering Department. Involved in teaching: Soil mechanics, Highway Engineering and Construction Management courses. Also involved in Research work, Supervision of Final year projects and Academic advisory. Consultancy work: EIA for road projects and an active member of MMUST construction committees.

JANUARY 1999 – APRIL 2005:

Civil Engineer - Kajima Corporation of Japan, Kenya District Office – Nairobi. In charge of Project management and Investigation work for Civil Engineering

projects including; Roads & Bridges, Irrigation works, Water supply and Hydro- power dams, within Kenya and the Eastern Africa region. Also involved in the preparation of Grant Aid Proposals, Contract Documents and Monitoring and Evaluation of projects.

MAY 1989 – DECEMBER 1998:

Lecturer – Civil Engineering Dept. JKUAT. Teaching Soil Mechanics, Foundations and Highway Engineering. Involved also with Curriculum Development and Students' Industrial attachments. Research work on Black cotton/Red coffee soils. Consultancy work for several JICA Projects including Geotechnical investigations, Solid Waste management and Environmental studies.

JANUARY 1987 – APRIL 1989:

Lecturer - Kenya Water Institute (KEWI). Involved in the teaching of several Civil and Water Engineering subjects, Research activities and Curriculum Development.

JANUARY 1986 – DECEMBER 1986:

Research Assistant - Ministry of Water Development. Research Division – Researching on Slow & Rapid Sand Filters.

AUGUST 1981 – DECEMBER 1985:

Engineering Assistant - Ministry of Water Development - Planning & Design and Construction & Contracts departments.

ACADEMIC BACKGROUND:

JANUARY 1974 – DECEMBER 1977:

Nanyuki High School - Nanyuki
E.A.C.E. – **Division I**

JULY 1978 – DECEMBER 1978:

Ministry of Water Development
Kenya Water Institute (KEWI)
Pre-selection course in Water Engineering.

MAY 1979 – JULY 1981:

The Kenya Polytechnic (now Technical University of Kenya - TUK):
Ordinary National Diploma (**OND**)
Civil Engineering - Credit Pass.

JANUARY 1983 – DECEMBER 1985:

The Kenya Polytechnic (now TUK):
Higher National Diploma (**HND**)
Civil Engineering - Credit Pass.

JANUARY 1995 – SEPTEMBER 1995:

Kyoto University, Japan: Pre-Masters Course (**PMC**) Research Work (JICA Programme)

MARCH 1996 – NOVEMBER 1998:

JKUAT: Master of Science (**MSc**)
Degree in Civil Engineering.

JUNE 2010 – DECEMBER 2016:

MMUST – Doctor of Philosophy (**PhD**)
Thesis Title: “Factors leading to Structural Failure of the Hot Mix Asphalt Pavement along Timboroa – Malaba Class “A’ Road in Kenya” (Highway Engineering).

RESEARCH PUBLICATIONS:

A) REFEREED JOURNALS

1. Akimana Clementine, **Samuel Waweru** and Isaac Fundi Sanewu (2024). Performance of Black Cotton Soil Stabilized with Silica Sand and Lime for Use as Road Subgrade. *International Journal of Civil Engineering*. Pages 15 - 24.
URL: <https://doi.org/10.14445/23488352/IJCE-V11I2P102>
2. Promotion Moyo, Joseph Ng’ang’a Thuo and **Samuel Waweru** (2024). Suitability of Bagasse Ash and Molasses for Stabilization of Expansive Black Cotton Clay Soils for Subgrade Construction in Low-Volume Rural Road. *International Journal of Engineering Trends and Technology*. Pages 152 – 163.
URL: <https://ijettjournal.org/Volume-72/Issue-4/IJETT-V72I4P116.pdf>
3. Vihunina Rikambura, Mung’athia M’tulatia and **Samuel Waweru** (2024). Investigation of the Effect of Cement Kiln Dust-Rice Husk Ash Composite Fillers on Volumetrics and Durability Properties of Recycled Hot-Mix Asphalt. *International Journal of Civil Engineering*. Pages 94 – 106.
URL: <https://www.internationaljournalsrq.org/IJCE/paper-details?Id=622>
4. Joseph Oluoch Osimbo, Benard Omondi and **Samuel Waweru** (2023). Towards Developing a Concrete Mix Design to Withstand Sulphuric Acid Attack in Concrete Sewer Pipes Using Rice Husks Ash as an Admixture. *Journal of Harbin Engineering University*. Pages: 882 - 895.
URL: <https://harbinengineeringjournal.com/index.php/journal/article/view/1710>
5. Daniel KOTieno, **Samuel Waweru** and Alexander Khaemba (2023). A Comparative Study on the Properties of Concrete Containing Blended Pit and River Sands of Western Kenya. *JHEU- Journal of Harbin Engineering University*. Pages: 09 - 18.
URL: <https://harbinengineeringjournal.com/index.php/journal/article/view/1462>
6. Kingori Monica, **Waweru Samuel** and Masibayi Edward (2021). Effect of Project Planning on Collapse of Storey Buildings in Kiambu County, Kenya. *International Academic Journal of Information Sciences and Project Management | Volume 3, Issue 6*, pp. 352 - 367.
7. Mugada B.A., Onchiri R.O. and **Waweru S.G.** (2017). Bending Stress Response of Strap Beams. *International Journal of Science and Research (IJSR) Vol 6 Issue 11 June 2017*.
8. **Waweru S.G.**, Onchiri R.O. and Masibayi E.N. (2016). Factors causing Structural Failure of the Flexible Pavement along Timboroa to Malaba Road in Kenya. *International Journal of Civil Engineering and Technology (IJCIET) Volume 7, Issue 4, July-August 2016*, pp. 533–538.
9. **Waweru S.G.**, Onchiri R.O. and Masibayi E.N. (2016). Rutting Failure on Pavement Layers along Timboroa to Eldoret Road Section in Kenya. *International Journal of Civil Engineering Research. ISSN 2278-3652 Volume 7, Number 1 (2016)*, pp. 79-89.
10. Kanda E.K., Taragon J.K., **Waweru S.G.** and Onchiri R (2014). Assessment of Pollution Status of River Nzoia using Physic-Chemical Characteristics. *Journal of Science Technology Education and Management. Volume 6, No. 1&2, 24 – 32*.
11. F.S. Isaac, R.O. Onchiri, N.K. Maritim and **S.G. Waweru** (2013). Investigation of Pozzolanic Characteristics of Municipal Solid Waste Ash in Soil Stabilization. *International Journal of Civil Mechanical Engineering. ISSN 2250-3218 Volume 3,*

- Number 1 pp. 1- 8.
12. Mungathia, J.K, Thumbi, G.M and **Waweru S.G** (2012). Removal of Heavy Metals from Industrial Wastewater using Washed Quarry Dust (WQD). *Journal of Science Technology Education and Management. Vol.5 Nos. 1 & 2 Sept.2012.*
 13. R.O. Onchiri and **S.G. Waweru** (2011). Water Quality Assessment in Kakamega Municipality. *International Journal for Disaster Management & Risk Reduction, Vol.3.No.3, 2010. pp. 51-58. ISSN No.1992-2744.*
 14. G.M. Thumbi, **S.G. Waweru** and R.O. Onchiri (2011). Horizontal subsurface flow constructed wetland performance evaluation using first-order kinetics. *International Journal for Disaster Management & Risk Reduction, Vol.3.No.3, 2011. pp. 109- 120. ISSN No.1992-2744.*
 15. R.O. Onchiri, F. Sanewu and **S. Waweru** (2010). Solid Waste Disposal in Kenya: Case study of Kakamega Municipality. *International Journal for Disaster Management & Risk Reduction. Vol 2 No.2 March 2010. pp.1 -7*
 16. **Waweru S.G.** and Kimura M. (1996). The Engineering Properties and Behaviour Characteristics of Toyoura Standard Sand. *Journal of Civil Engineering, JKUAT, Vol. II pp. 77 – 88, November 1996.*
 17. **Waweru S.G.** and Kimura M. (1995). The Physical and Mechanical Properties of a Typical Japanese Clay. *Journal of Civil Engineering, JKUAT, Vol. I pp. 31 – 36 October 1995.*

B) CONFERENCE PROCEEDINGS

1. **Waweru S.G.** and Kanda E.K. (2012). Municipal Solid Waste Management in Kenya: A Comparison of Middle Income and Slum Areas. *Proceedings of the International Conference on Diasater Risk Reduction And Conflict Resolution For Sustainable Development.MMUST, Kenya, pp185 – 190, 18th – 20th July 2012.*
2. R.O. Onchiri, **S.G. Waweru** and O.H. Otworu (2011). Sustainable Solid Waste Management System for Counties in Kenya (a case of Kisii Municipality) EngineersInternational Conference 2011 on theme “Engineering Better Counties and Cities for Better Living” 11th – 13th May 2011
3. **Waweru S.G.** and R.O. Onchiri (2010). Evaluation of Structural Failure in Flexible Pavements. *Proceedings of the 1st Engineering, Science and Technology Conference, Kakamega, Kenya. (9th – 11th June 2010) pp. 192 - 196.*
4. B.W.Sabuni, **S.G. Waweru**, M.K. Mukangula and G. Mwasame (2010). Managemant of Infrastructure Development in Public Institutions: Case of In-House Construction at Masinde Muliro University of Science and Technology. *Proceedings of the 1st Engineering, Science and Technology Conference, Kakamega, Kenya. pp 126 – 131, June 2010.*
5. **Waweru S.G.** and Namusai E.M. (2009). Forest Fire Disaster Management inKenya. *Proceedings of the Workshop on Environmental Fires at Masinde Muliro University of Science and Technology, Kakamega, Kenya. pp. 9 – 15, June 2009.*
6. B. K. Rop, N.K. Maritim and **S.G. Waweru** (2007). Hydrocarbon Prospects Under The Lotikipi Basin, North West Kenya, Based On Gravity And Seismic Data. *Proceedings of the 3rd Annual International Conference, Moi University, Eldoret, 31st July - 4th August 2007.*
7. Sabuni B.W., **Waweru S.G.** and Omuterema S. (2006). Evaluation of brick making technologies in Western Kenya.*Proceedings of the 1st International Conference on Disaster management & Human security in Africa. pp. 352 – 357, October 2006.*
8. **Waweru S.G.**, Mburu N. and Waswa G.W (2006). Environmental hazards in the developing countries. *Proceedings of the 1st International Conference on Disaster management & Human security in Africa, pp. 363 -368, October2006.*
9. S.I. Fundi, R.O. Onchiri, N.K. Maritim, K. Shepherd and **S.Waweru** (2002).

- Investigation of pozzolanic characteristics of municipal solid waste ash in soil stabilization. *Proceedings of the 19th Engineers international conference held at Kenyatta international conference centre 9th to 12th May 2002. Nairobi, Kenya*
10. **Waweru S.G.** and Kimura M. (1998). Problematic Soils in Kenya. *International Symposium on Problematic soils*, Vol. I pp. 325 – 328 Sendai, Japan, October 1998.
 11. Kimura M. and **Waweru S.G.** (1995). Failure Mechanism on a Lateral Loaded Concrete Pile by Centrifuge. *Proceedings of 30th Japanese National Conference on Soil Mechanics and Foundation Engineering*, Vol. 3 pp. 1495 – 1498 Kyoto, Japan September 1995.

C) BOOKS AND BOOK CHAPTERS

1. Edwin Kanda, Elizabeth Lusweti, Francis Ngugi, Julius Irungu, Bernard Omondi and **Samuel G. Waweru** (2023). Book Chapter – *Adoption of Green Building Practices in Kenya: A case of Kakamega Municipality*. Pragmatic Engineering and Lifestyle, pp 153 – 169. Emerald Publishing Limited. doi:10.1108/978-1-80262-997-220231008.
2. **Samuel G. Waweru** and Edwin K. Kanda (2023). University Book - *Research Methods in Engineering*. ISBN 978-9914-40-085-4. Olearn Publishers, Nairobi, Kenya. Published in April 2022.

CURRENT RESEARCH:

1. Structural Characterization of Timber Species within Kakamega County for Engineering application
2. Skills and Knowledge Assessment study for Recognition of Prior Learning (RPL)
3. Use of Bamboo as a Structural Element for Low-Cost Housing
4. Factors contributing to Collapse of Storey Buildings in Kenya
5. Factors leading to Structural Failure of Flexible Pavements
6. Stabilization of Sub-grade soils using Bagasse Ash.

POSTGRADUATE SUPERVISION:

COMPLETED

1. Akimana Clementine – MSc in Transportation Engineering, PAUSTI. Thesis Title: “*Investigation on the Suitability of Lime and Sika Top Seal in Stabilization of Expansive Clay Soil for Road Subgrade*”. (Graduated June 2024).
2. Vihunina Rikambura – MSc in Transportation Engineering, PAUSTI. Thesis Title: “*Performance of Rice Husk and Cement Kiln Dust Fillers in recycled Hot Mix Asphalt*”. (Graduated June 2024).
3. Promotion Moyo – MSc in Construction Engineering and Management, PAUSTI. Thesis Title: “*Suitability of Bagasse Ash and Molasses for Stabilization of Expansive Clay Soils for Sub-grade Construction of Rural Roads*” (Graduated June 2024).
4. Benjamin Asin Mugada – MSc in Structural Engineering. Thesis title: “*A review on the structural response of strap beam*” (Graduated December 2018 - MMUST).
5. Kingori Monica Nyambura – MSc in Disaster Preparedness and Engineering Management. Thesis title: “*Factors Contributing to Collapse of Storey Buildings in Kiambu County, Kenya*” (Graduated August 2021 - MMUST).
6. Joseph Oluoch Osimbo - MSc in Structural Engineering. Thesis title: “*Developing Concrete Mix design for Concrete exposed to Microbial corrosion in aggressive sewer environments*” (Graduated December 2023 - MMUST).
7. Daniel Owino K`Otieno - MSc in Structural Engineering. Thesis title: “*Effect of silt content in blended sand on the concrete strength used in construction*” (Graduated December 2023 - MMUST).

ON GOING

8. Joseph N. Kuta – PhD in Structural Engineering. Research Topic: “*Effect of Recycled Concrete Reinforced with Coconut Fibre*” (Thesis writing).
9. Joseph Tinga Janga – PhD in Disaster Preparedness and Engineering Management. Research Topic: “*Irrigation Flood Risk Framework: The Case of Hola Irrigation Scheme Basin*” (Thesis writing).
10. Christine Omina Mutayi – MSc in Structural Engineering. Thesis title: “*Structural Characterization of timber species for Engineering applications in Kakamega county, Western region*” (Thesis writing).
11. Thankgod Chukwuebuka Alexander – MSc in Transportation Engineering. Research Topic: “*Performance of Agro-Waste and Industrial based Geopolymer as a Modifier for asphalt Binders*” (On-going research).
12. Dynah Irakoze – MSc in Transportation Engineering. Research Topic: “*Effect of Sawdust Ash and Cement Kiln Dust on Expansive Soil used as Sub-grade for Flexible Pavement Construction*” (On-going research).

ACADEMIC ASSIGNMENTS:

1. External Examiner – University of Eldoret, Department of Technology Education from 2019 to date.
2. Part-Time teaching at Pan African University (PAUSTI) and The Open University of Kenya (OUK) from 2023 to Date.
3. Curriculum and Modular Developer – Open University of Kenya (OUK) from March 2023 to date.
4. PhD Thesis External Examiner - Jomo Kenyatta University of Agriculture and Technology. Thesis Title: “*Modelling the Performance of Lateritic Soil Road Base Stabilized with Sugar Cane Bagasse Ash (SCBA) and Saw Dust Ash (SDA) as partial replacement of Cement*” by Meshack Oduor Otieno. April 2024.
5. MSc Thesis External Examiner – Jomo Kenyatta University of Agriculture and Technology. Thesis Title: “*Evaluation of Mobile Lidar Technology in Road Asset Management: Case of Kenha Highways in Nairobi City*” by Karbolo Benedict Sulati. May 2024.
6. MSc Thesis External Examiner - University of Eldoret. Thesis Title: “*Factors Affecting the Implementation of Online Teaching and Learning in Technical Institutions: A Study of Selected Technical Training Institutes in Nandi County, Kenya*” by Frank Kipkoech. June 2023.
7. MSc Thesis Internal Examiner - MMUST. Thesis Title: “*Influence of Rice Husk Ash on Stabilization of Expansive Sub-grade Material for Low Volume Roads*” by Catherine Mugai. February 2021.
8. MSc Thesis External Examiner – Jomo Kenyatta University of Agriculture and Technology. Thesis Title: “*Causes of Cracks on Recently Constructed Flexible Pavements in Kenya*” by Benjamin Kithee Chamia. March 2020.
9. MSc Thesis External Examiner - University of Eldoret. Thesis Title: “*Challenges Facing University Trained Structural Engineers in the Construction Industry in Kenya*” by Bett Barnabas. October 2019.
10. MSc Thesis Internal Examiner - MMUST. Thesis Title: “*Simulation of Pressure and Water Quality within Kimilili Water Supply System using EPANET*” by Christopher Bwire. December 2015.
11. Editor-in-chief – Africa Journal of Technical and Vocational Education and Training (AfriTVET) based at Rift Valley Technical Training Institute (RVTTI), Eldoret Kenya. November 2021 to date.

RESOURCE MOBILIZATION:

1. Consultancy / Technical Team - Proposal documents and Designs for the Proposed Engineering and TVET & Associated Works at MMUST - KSh.800 Million.
2. MMUST URF 2022 – KSh.450,000 – Structural Characterization of Timber Species within Kakamega County for Engineering Application – Co-Investigator.
3. MMUST IRF 2022 – KSh.250,000 – Skills and knowledge assessment study for the Jua Kali sector in Kakamega County for RPL – Principal Investigator.
4. Proposal for Establishment of a Teaching Factory in MMUST. Proposal submitted to CEO Equity Bank Kenya 2021 – Ksh.450 Million.

CURRENT ASSIGNMENTS:

1. Acting Deputy Principal – MMUST TVET Institute
2. Patron – Ajira Digital Club, MMUST
3. Member – Contract Implementation Committee (CIC) for the Proposed Engineering and TVET Complex & Associated Works, MMUST
4. Member – Ad Hoc Evaluation Committee for the Proposed Engineering and TVET Complex & Associated Works, MMUST
5. Member - Technical Team (Design and Documentation) for Proposed Engineering and TVET Complex & Associated Works, MMUST
6. Member/Secretary – TVET Board, MMUST
7. Member/Secretary – TVET Curriculum Review Committee, MMUST
8. Member – Science Park Board, MMUST
9. Member – Board of Governors, Tinderet Integrated Technical and Trainers College
10. Member – Board of Governors, Wanga Technical and Vocational College
11. Member – Board of Management, The Kakamega School, Kakamega
12. Member – Roads 2000 National Coordination Committee (NCC) and National Steering Committee (NSC) MORPW

PREVIOUS ASSIGNMENTS:

1. Director – Technical Vocational Education and Training (TVET), MMUST
2. Acting Chairman of Department - Civil & Structural Engineering Department
3. Chairman, Construction Committee for the Construction of the Science Laboratories Complex at MMUST
4. Coordinator Industrial Attachment - Civil & Structural Engineering Department
5. Coordinator Final Year Projects - Civil & Structural Engineering Department
6. Class Advisor – BSc in Civil & Structural Engineering classes
7. Member – Tender Evaluation committees at MMUST
8. Member – Senate committee on Botanical Gardens
9. Member – University Disability Mainstreaming Committee
10. Chairman/Trustee – MMUST Staff Retirement Benefits Scheme
11. Trustee – Universities Academic Staff Union (UASU)
12. Warden – Non-Residents Male students
13. Presiding officer – Electoral Commission of Kenya.

TRAININGS ATTENDED:

1. TVET Career Services Officers’ Training, by Technical and Vocational Education and Training Authority, Virtual training, 14th – 16th September 2021.
2. Grant Search and Proposal Writing and Industry Collaboration Training, Avvy Global Fund, CHAK Conference Centre, Nairobi, Kenya 28th – 30th October 2020.
3. TVET CDACC Training on Competence Based Assessment, Kisumu Polytechnic, Kisumu, Kenya, 13th to 15th March 2019.
4. Continuing Professional Development (CPD) Webinar, Design to EUROCODE 3: Actions and Combinations of Actions to EN 1990, The Steel Construction Institute

- and DOSHI Group, Virtual training, 13th February 2019.
5. Continuing Professional Development (CPD) Webinar, Design to EUROCODE 3: Introduction, The Steel Construction Institute and DOSHI Group, 6th February 2019.
 6. Strategic Leadership and Management of Higher Education Institutions Training, School of Business (SOBE), Masinde Muliro University of Science and Technology, Kakamega, Kenya, 26th – 28th March 2018.
 7. Commonwealth Association of Technical Universities and Polytechnics in Africa (CAPA) Leadership Training and Knowledge Exchange Programme, Mombasa, Kenya, 7th – 10th February 2018.
 8. Training of Trainers (ToT) Course in Competency Based Education and Training (CBET), TVET CDACC, Kisumu Polytechnic, Kenya, 15th – 19th February 2016.
 9. MMUST – UNIVEN Training Workshop on Grant Proposal Writing and Graduate Students’ Supervision, Bishop Nicholas Stam Pastoral Centre, Kakamega, Kenya, 21st -24th October 2015.
 10. Confidentiality and Security of Information Training, National Intelligence Security (NIS), Masinde Muliro University of Science and Technology, Kakamega, Kenya, 20th – 22nd May 2015.
 11. Overcoming Project performance Obstacles, Management of Donor Funded Projects and PPP projects Training Workshop, Project Management Office and IEK Western Branch, Bishop Nicholas Stam Pastoral Centre, Kakamega, Kenya, 16th October 2014.
 12. Staff Exchange Programme at Helsinki Metropolia University of Applied Sciences, Helsinki, Finland, 19th – 28th April 2014.
 13. University Multiplication Training Workshop in Curriculum Development and Review, Masinde Muliro University of Science and Technology, Kakamega, Kenya, 23rd – 24th January 2014.
 14. Intensive Course on Innovative Projects in Renewable Energy for Sustainable Development, Masinde Muliro University of Science and Technology and Metropolia University of Applied Sciences, 5th – 16th August 2013.
 15. Trustee Development Program Kenya (TDPK), College of Insurance, Nairobi, September 2011.
 16. Trustee Training Seminar, Masinde Muliro University of Science and Technology, Kenya, 29th July 2011.

WORKSHOPS AND CONFERENCES ATTENDED:

1. FOURTH Engineering Partnership Convention 2023. Naivasha, Kenya, 14th – 16th June 2023.
2. KATTI Training/Special General meeting, PrideInn Paradise Beach Resort, Mombasa, Kenya, 19th - 23rd December 2021.
3. Deans Induction Workshop, MMUST, Kisumu Hotel, Kisumu, 12th – 13th May 2021.
4. Curriculum Review and Development Workshop. Tom Mboya Labour College, Kisumu, Kenya, 25th – 26th March 2021.
5. National Standards and Guidelines for Assessment of National Qualifications in Kenya, Virtual Workshop, KNQA, 12th June 2020.
6. Hands on the Future Kenya Skills Show. Kenyatta International Conference Centre, Nairobi, Kenya, 8th – 10th February 2019.
7. Hands on the Future National TVET Conference. Kenyatta International Conference Centre, Nairobi, Kenya, 26th – 27th January 2017.
8. Commonwealth Association of Technical Universities and Polytechnics in Africa (CAPA) International Conference, Mombasa, Kenya, 6th – 11th June 2016.
9. Performance Contracting Awareness Session, Masinde Muliro University of Science and Technology, Kakamega, Kenya, 9th November 2015.
10. Grant Writing and Resource Mobilization Strategy Capacity Building Workshop,

- Busia Agriculture Center, Busia, Kenya, 1st – 5th June 2015.
11. Faculty of Engineering Curriculum Review Workshop, Masinde Muliro University of Science and Technology, Kakamega, Kenya, 15th – 16th May 2014.
 12. National Dialogue on Capacity Building for the Oil and Gas Sector, AICAD – JKUAT, Juja, Kenya, 5th September 2013.
 13. 2013 HP Catalyst Education Summit, Sao Paulo, Brazil, 16th - 18th April 2013.
 14. International Conference on Disaster Risk Reduction and Conflict Resolution for Sustainable Development, Masinde Muliro University of Science and Technology, Kakamega, Kenya, 18th – 20th July 2012.
 15. Institution of Engineers of Kenya Conference, May 9th – 11th 2012, Nairobi, Kenya.
 16. Disability Mainstreaming Workshop, Masinde Muliro University of Science and Technology, Kakamega, Kenya, 1st – 2nd March, 2012.
 17. Institution of Engineers of Kenya Conference, May 11th -13th 2011, Nairobi, Kenya
 18. Workshop on Diverse uses of Concrete IV, Theme: Asphalt Pavements and Quality Concrete. Moi University, Eldoret, Kenya, 30th August – 2nd September 2010.
 19. 1st Engineering, Science and Technology Conference, 9th – 11th June 2010.
 20. Fire Risk Mitigation and Preparedness Workshop, Masinde Muliro University of Science and Technology, Kakamega, Kenya, 24th – 26th June 2009.
 21. Institution of Engineers of Kenya Conference, Nairobi, Kenya, 8th – 11th April 2008.
 22. The Third JKUAT Scientific, Technological and Industrialization Conference, JKUAT, Juja, Kenya, 25th – 26th October 2007.
 23. Third Annual International Conference, Moi University, Eldoret, Kenya, 31st July - 4th August 2007.
 24. 1st International Conference on Disaster Management and Human Security in Africa, MMUST, Kakamega, Kenya, 16th October 2006.
 25. Association of Third World Studies (ATWS) Conference, MMUST, Kakamega, Kenya, 22nd - 24th November 2005.
 26. Institution of Engineers Kenya Conference, Nairobi, Kenya, 5th – 7th April 2005.
 27. International Civil Engineering Conference on sustainable Development in 21st century (CE 2003), Nairobi, Kenya, 10th – 14th August, 2003.

PROFESSIONAL DEVELOPMENT:

1. African Development Bank Training and Equipment Project Technical Team
2. North-South-South (NOSOSO) Higher Education Institution Network Programme
3. Bamburi Builders Academy Trainer (Lafarge Kenya), Nairobi, Kenya
4. HP Catalyst Initiative Project Trainer, Western Kenya
5. Project Management Team for the Construction of Multi-Purpose Hall – MMUST
6. Project Management Team for Construction of Science Lab. Complex –MMUST
7. Project Management Team for the Construction of Hall 3 Hostel - MMUST
8. Project Management Team for the Construction of Library Phase I – MMUST
9. Project Management Team for the Construction of Tuition Block (LBB) - MMUST
10. Consultancy Team – EIA study for Standkhisa – Khumusalaba Road, Kakamega County
11. Consultancy Team - Improvement of Nairobi City Traffic Flow – NCC
12. Consultancy Team - Jinja Bridge Reconstruction, MOWHC - Uganda
13. Consultancy Team - Kampala Trunk Roads Improvement Project, KCC – Uganda
14. Consultancy Team - Improvement of Dar es Salaam City Roads, MOW - Tanzania
15. Consultancy Team - Improvement of Chanika - Kitonga Road, MOW – Tanzania.

PROFESSIONAL MEMBERSHIP:

1. Engineers Board of Kenya (EBK)
2. Institution of Engineers of Kenya (IEK)
3. Kenya Engineering Technology Registration Board (KETRB)

4. Institution of Engineering Technologists (IET)
5. Kenya Geotechnical Society (KGS)
6. Association of Third World Studies (ATWS)
7. Association of Disaster Management and Conflict Resolution of Kenya (ADMCRK).

COMPUTER LITERACY:

Windows XP, MS Word, MS Excel, MS office 2000, PageMaker, MS PowerPoint, Delta Graph, CorelDraw, Canvas, AutoCAD, ArchCAD, ArchView.

LANGUAGE PROFICIENCY:

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Swahili	Excellent	Excellent	Excellent
Kikuyu	Excellent	Excellent	Excellent

REFEREES:

1. Professor Bernadette Sabuni
Masinde Muliro University of Science and Technology (MMUST)
Email: bsabuni@mmust.ac.ke
Mobile:
2. Professor George M. Thumbi
Technical University of Kenya (TUK)
Email: georgethumbi@yahoo.com
Mobile:
3. Professor Richard O. Onchiri
Technical University of Mombasa (TUM)
Email: roocharo@gmail.com
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