

CURRICULUM VITAE

Prof. Fuchaka Waswa

[(BSc. Agric (Nairobi), MSc. Land & Water Management (Nairobi), Dr. agrar (Bonn)]

Specialization: Agricultural Land Management & Sustainability Science

1. PERSONAL INFORMATION

Current Work Station

Kenyatta University, School of Agriculture & Environmental Science, Department of Agricultural Science and Technology

Nationality: Kenyan

Email: waswa.fuchaka@ku.ac.ke; wfuchaka@gmail.com

Important Web links

1. <http://agriculture.ku.ac.ke/index.php/faculty-profiles/faculty/89-faculty/17-prof-fuchaka-waswa>
2. <https://scholar.google.com/citations?user=HVp6ZDIAAAAJ&hl=en>
3. Open Researcher and Contributor ID (ORCID): <https://orcid.org/0000-0002-0675-1441>

2. SUMMARY PROFESSIONAL STATEMENT

An expert and practitioner in Agricultural Land and Water Management, Food Security Planning, Environmental Impact Assessment and Auditing, Sustainability Science, and a Trainer in Transformative Leadership and Quality Assurance in University Education.

3. EDUCATION BACKGROUND

3.1 Academic Qualifications

Certificate	Institution	Specialisation	Awarded
PhD	University of Bonn	Agricultural Land Management	2000
MSc	University of Nairobi	Land and Water Management	1994
BSc	University of Nairobi	General Agriculture	1992

3.2. Professional Qualifications

1. Lead Expert-Environmental Impact Assessment & Auditing (No. 0643): Kenya Institute of Administration (Now Kenya School of Government) 2002
2. Application of the Millennium Ecosystem Assessments Framework: UNEP-Grahams Rhodes University, Grahams town, South Africa 2005

3.3 Specialised Short Courses and Trainings in University Education

1. **8th June 2018:** Awareness Training on ISO 27001 – Information Security Management System (ISMS), Kenyatta University
2. **9th August 2016:** Awareness of ISO 9001:2015 Quality Management System. Kenyatta University.
3. **10th – 16th March 2014:** Peer Reviewing of Academic Programmes in Higher Education – Organised by IUCEA, CUE and DAAD, Silver Springs, Nairobi, Kenya
4. **13th -16th April 2010:** Smart START-UP – Promoting Sustainable Lifestyles through Entrepreneurship with focus on Consumption and Production in **Wuppertal, Germany**

5. **24th – 26th February 2009:** Management of University Departments, Schools and Directorates, Centre for Capacity Development in Higher Education, Kenyatta University Conference Centre, **Nairobi**
6. **8-12th December 2008:** DAAD - DIES Intensive course on “Proposal Writing for International Research Projects”, Part I’ **Entebbe Uganda**
7. **19th April – 2nd July 2008:** University Staff Development Programme (Unistaff), Institute of Socio-cultural Studies – ISOS, University of **Kassel, Witzenhausen, Germany**.
8. **4th – 9th May 2006:** Mainstreaming Environmental Sustainability in Africa - MESA University Programme, Educate the Educators, Education for Sustainable Development (ESD) Innovation Course, organised by UNEP/SADC-REEP, Kenya School of Monetary Studies, **Nairobi**
9. **8th – 29th November 2005:** International Course on “Agriculture and the Environment: Practices and Processes in Soil and Water” at the Ministry of Agriculture and Rural Development, Volcani Campus, **Bet Dagan, Israel**.
10. **12th-16th September 2005:** International Course on Ecosystems and Human Well-being: Conducting and using Integrated Assessments (Millennium Ecosystem Assessment Framework). Rhodes University, **Grahams Town, South Africa**.

3.4 Special Competences and Areas of Interest

1. Agricultural Land and Water Management
2. Food Security and Sovereignty Planning
3. Conducting and Using the Millennium Ecosystem Assessments Framework
4. Environmental Impact Assessment & Auditing (Registered Lead Expert No. 0643)
5. Sustainability Science (Sustainable Production and Consumption Systems; Agriculture Designed for the Environment -DfE)
6. Quality Assurance in University Education with focus on:
 - a. Curriculum Mapping, Rationalization and Occupational Standards
 - b. Education for Sustainable Development (EfSD)
 - c. Organisational Development and Change Management
 - d. Transformative Leadership and Teamwork Dynamics

4. ACADEMIC FELLOWSHIPS AND ACHIEVEMENTS

1. **September 2021-June 2022:** Adjunct Professor at Masinde Muliro University of Science and Technology (MMUST) on Sabbatical Leave.
2. **2011:** Was a senior scholar on a Fulbright Fellowship at Louisiana State University, Baton Rouge, Courtesy of the State Department, USA.
3. **2008:** Awarded a DAAD Fellowship in the University Staff Development Programme (Unistaff), Institute of Socio-cultural Studies, University of Kassel, Witzenhausen, Germany.
4. **2005:** Mashav Fellowship (Israel's Agency for International Development Cooperation) to, Volcani Campus, Bet Dagan, Israel.
5. **2005:** UNEP funding to train in the Millennium Ecosystem Assessment Framework at Grahams Town University in South Africa
6. **1996-2000:** PhD Scholarship, University of Bonn, Academic Exchange Service (DAAD) University of Bonn, Germany
7. **1992-1994:** MSc Scholarship, Swedish Agency for Research Cooperation (SAREC) University of Nairobi.
8. **1988-1991:** BSc, Government of Kenya Scholarship (Now called HELB), Fully repaid

5. EMPLOYMENT HISTORY AND SERVICE TO THE UNIVERSITY

1. **March 2026.** Appointed by the Vice Chancellor to chair a committee to review the Administration and Processing of Continuous Assessment Tests in the University
2. **July 2025:** Promoted to Professor of Kenyatta University, in the school of Agriculture and Environmental Sciences.
3. **June-July 2023:** Chairman Senate Committee on Rationalization of Departments, Academic Programs and Course Units in the Merged Schools at Kenyatta University
4. **2019:** Initiated and coordinated the Distinguished Expert Seminar Series (DESS) in the School of Agriculture and Enterprise Development
5. **2019:** Member of the Kenyatta University Conferences Vetting Committee
6. **May-October 2018:** Secretary to the Kenyatta University – 6th RUFORUM Biennial Conference Committee
7. **July 2018.** Member of the Universities Bio-Security and Bio-Preparedness Committee, which delivered a Bio-Security and Bio-Preparedness Policy
8. **23rd-27th October 2018:** Member of the Local Organising Committee (representing Kenyatta University) of the Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) Biennial Conference held at KICC, Nairobi.
9. **2012 to 2017:** Chairman Senate *Ad hoc* Committee on Academic Audit and Rationalization of all Academic Units taught in the University. *We added quality and value for money by removing redundancies, duplications, rebranding and saving the University millions of shillings that were going to waste per academic year.*
10. **2005 to 2017:** Member of high profile university functions and including Master of Ceremonies, Academic and Chancellors Processions. *The skills acquired include protocol issues, public relations, management of crowds and team dynamics. My team has made the KU graduations perhaps the most colourful in the nation.*
11. **29th Nov – 2nd Dec 2017:** Member of organising committee of the 2nd School of Agriculture and Enterprise Development Biennial Conference, on the theme “Enhancing Sustainable Agricultural Production and Marketing Systems” held at KU.
12. **November 2015** Associate Professor of Agricultural Land and Water Management in the Department of Agricultural Science and Technology, Kenyatta University.
13. **September 2013 to March 2015:** As Head of Teaching Programs and Publication Section.
 - a) *In-charge of over 100 permanent and casual staff that work in the Section*
 - b) *In-charge of University Educational Physical Infrastructure*
 - c) *Preparation of Semester Dates and University Almanac*
 - d) *Processing of Credit Waivers for Students*
 - e) *Production of the 2014-2017 University Calendar and Student Catalogue*
 - f) *Secretariat to Graduation Planning Committee*
6. **March 2014:** Member of a Peer Reviewing Team for the Bachelor of Environmental Studies (ARTS) programme of Eldoret University, Courtesy of IUCEA, CUE and the DAAD. *I am familiar with national, regional and international standards of academic expectations and can advise accordingly.*
7. **2014:** Chaired the committee that developed the Draft Policy on Examination Procedures and Guidelines for Kenyatta University.
8. **2014:** Chaired the committee that developed the Draft Policy on Post-Doctorate Studies for Kenyatta University
9. **2014:** Member of Committee that re-branded Open and Distance Education Learning (ODEL) to Digital School of Virtual and Open Learning (DSVOL). *I also train post-graduate students via this mode of learning.*

10. **2013-2014:** Member of University Team that was responsible for Operationalization of KU off-shore Campuses, in particular Arusha.
11. **2013:** Member of committee appointed to prepare the Kenyatta University Charter in-line with the new Universities ACT 2012. *I am familiar with the expected relationship between essential legal provisions in higher education administration and management (National Constitution, Universities Act, University Charter and Statutes)*
12. **2011:** Chairman of the Self-Evaluation Committee of the University during the Europe-Africa Quality Connect Project - Ref: EUA-AAU Quality Assurance Project). *The project bench-marked KU to other European and Africa Universities towards mutual enhancement in quality assurance indicators. This exposed me further to Europe's standards in higher education, including internationalization of higher education.*
13. **2007-2015:** Senior Lecturer in the Schools of Environmental Studies and also School of Agriculture and Enterprise Development
14. **2008-2012:** Chairman, Department of Environmental Studies & Community Development for the statutory period of 4 years. *My main achievement was development of systems that allows the department to run efficiently and meet ISO 9000:2008 requirements. Re-branded the Department from Environmental Social Cultural studies to the present name "Environmental Studies and Community Development". Rationalised unit courses and made the programme most popular in the school.*
15. **2009:** Member of University Investigative Committee on Student disturbances. *I gained a lot of insight on how to prevent and manage student unrest and protect the University and its components.*
16. **2006-2007:** Chairman of Board of Postgraduate Studies, School of Environmental Studies. *I initiated the first ever Proposal Preparation and Thesis Format and Guidelines for the School of Pure and Applied Sciences. Such standardization are marks of quality.*
17. **2002 to 2007:** First employment as Lecturer in the School of Environmental Studies, Kenyatta University.
18. **2001:** Consulted for World Neighbours East Africa in Natural Resources Management and Community Development in Dryland Ecosystems in Kenya. *The hands-on experience I gained has informed my teaching, research and mentoring roles.*
18. **1996-2000:** As a doctorate student at University of Bonn, Germany, was involved in students' examination processes. *I am familiar with various student grading systems.*
19. **1995-1996:** Agricultural Instructor at Limuru Girls Centre (Certificate Course for needy Girls). (The centre is currently the Starehe Girls High School).
20. **1993-1994:** Worked as a Research Associate under Prof Donald Thomas in the Department of Agricultural Engineering, University of Nairobi and was co-author of the first student reader in the Department, entitled "*Ecology, Environment and Sustainable Development: An Outline for Students of Land and Water Management in Kenya*"

6. GRANTS AND FUNDED RESEARCH IN PARTNERSHIP WITH OTHERS

1. **2020-2021.** Kenyatta University Collaborator in the KCSAP CGS/CRGs - AD 2019/CSC/01: CLIMATE SMART CROPS (**KES 22,002,887**) Research title: *An Integrated Agri-energy System for Sustainable Banana Farming for improved Livelihoods of Smallholder Farmers in Kenya* – (Tharaka Nithi, Taita Taveta, Nyeri). My role in project was to handle environmental aspects

2. **2018-2019:** Machakos University Vice Chancellors Research Fund. **KES 700,000.00** Management and Use of Sewage Effluent in Machakos Town and its Implications on Human Health. I was the external co-investigator and supervisor of one student from ENS Kenyatta University attached on this project
3. **2017-2018:** As DAAD Alumnus, was member DIES-National Multiplication Training I & II 2017-2018.
4. **2016-2017:** Recipient of Kenyatta University Vice Chancellor's Grant (**KES 800,000**). Project supported 3 MSc students within the framework of agricultural land use changes, water Security and their implications on food production in Kiambu County, Kenya.
5. **2010 and 2013:** Facilitated granting of 2 MSc students research funding from the Horn of Africa Regional Environmental Network's Demand Driven Action Research.
6. **2009:** Attracted over **KES 2,000,000.00** for the School of Environmental Studies of Kenyatta University from the Horn of Africa Regional Environmental Network (HoA-REN), to which I represent Kenyatta University.
7. **2006-2009:** Was principal Investigator, VicRes funded Research **Theme: Effects of Sugarcane Production on Environmental Quality and Community Livelihoods in the Lake Victoria Basin (5 papers including a book were published there-from).** **US \$: 148,136.00**

7. PUBLICATIONS

7.1. Journal Articles

1. Waswa G S and **Waswa F (2026)**. Leveraging Integrated Engineering Design Software in Mitigating Cost Overruns of High-Rise Building Projects in Nairobi, Kenya. Journal of Construction Business and Management: (**Accepted May 2026**)
2. Makokha M, **Waswa F** and Kambo S. (**2026**). Quantifying Roof Catchment Yields for Improved Water Security in a Populated Built Dryland Ecosystem: The Case of Kitui Campus, Kenyatta University, Kenya. Water Harvesting Research Vol. 9, No. 1 4--56<https://doi.org/10.22077/jwhr.2026.10723.1196>
3. Waswa F, Gichabe D and Kahuthia-Gathu, R. (2025). Land Use Changes and Implications for Food Production Planning in Peri-Urban Ruiru Sub-County, Kenya. *Journal of the Kenya National Commission for UNESCO*. 5 (2) 2958-7999. <https://doi.org/10.62049/jkncu.v5i2.300>
4. Tei, J N and Waswa, F (**2024**). Climate Smart Agriculture and its Implication on Climate Change Adaptation Measures within Smallholder Farming Systems in Gatundu South, Kenya. *Journal of the Kenya National Commission for UNESCO*. <https://doi.org/10.62049/jkncu.v4i1.49>
5. Waudu S and Waswa F. (**2024**). Value-Addition in Biomass for enhanced Household Energy Security in Navakholo Sub-County, Kenya. *Journal of the Kenya National Commission for UNESCO*. <https://doi.org/10.62049/jkncu.v4i1.52>
6. Waswa, G., **Waswa F** and Shitanda D. (**2023**). Effects of Knowledge, Experience and Coordination on Cost Certainty for Structural Engineering Designs of High-Rise Building Projects in Nairobi, Kenya. *International Journal of Development Research*. Vol. 13, Issue, 06, pp. 63177-63182, <https://doi.org/10.37118/ijdr.26881.07.2023>
7. Waudu, S., Koske, J. & **Waswa, F. (2023)**. More Trees and More Biomass Energy Options for Increased Energy Security within Households in Navakholo Sub-County, Kenya. *East African Journal of Environment and Natural Resources*, 6(1), 178-197. <https://doi.org/10.37284/eajenr.6.1.1278>

8. Nalwa P and **Waswa F (2023)**. Demonstrating Education for Sustainable Development through Rainwater Harvesting in Institutions of Higher Learning in Kenya: The Potential at Kenyatta University, *Journal of the Kenya National Commission for UNESCO.*, Vol. 3 (1) 2958-7999. <http://journals.unesco.go.ke/index.php/jknatcom/article/view/35/34>
9. Mutua, C., **Waswa, F.** & Mcharo, M. (2023). Apiculture for Sustainable Land Use and Enhanced Community Livelihoods in Dryland Ecosystems: The Case of Makueni in Kenya. *East African Journal of Environment and Natural Resources*, 6(1), 198-216. <https://doi.org/10.37284/eajenr.6.1.1313>
10. Mcharo M and **F. Waswa.** (2022). Gender Differentiated Adoption of Soil and Water Conservation Practices by Farmers in Kenyan Agricultural Highland Catchments. *Journal of Agriculture and Ecology Research International* 23(5): 1-14, DOI: [10.9734/jaeri/2022/v23i530234](https://doi.org/10.9734/jaeri/2022/v23i530234)
11. **Waswa F**, Mcharo M and Shitanda D. (2020). Potential of Rainwater Harvesting for enhanced Water Security in Kahawa Sukari Peri-Urban Ecosystem in Kiambu County, Kenya. *Journal of Engineering in Agriculture and the Environment*. (6) 1: 57-70. Doi: <https://doi.org/10.37017/Jeae>. Kenya Society of Environmental, Biological and Agricultural Engineers (KeSEBAE)
12. Kitulu N, Nzeve J, **Waswa F**, Kitur E and Shitanda D. (2020). Irrigation Water Quality Analysis of Mitheu Stream in Machakos Municipality, Kenya. *African Journal of Environmental Science and Technology*. Vol. 14(9), pp. 241-249, September 2020. DOI: 10.5897/AJEST2020.2849
13. **Waswa F**, Mwamburi M and Mworio M (2020). Declining Wood Fuel and Implications for Household Cooking and Diets in Tigania Sub-County Kenya. Scientific. <https://doi.org/10.1016/j.sciaf.2020.e00417>. Elsevier B.V.
14. Tomno R M, Kitulu L, Nzeve J K, Mailu S N, Shitanda D and **Waswa F.** (2020). Heavy Metal Contamination of Water, Soil and Vegetables in Urban Streams in Machakos Municipality, Kenya. *Scientific African*. <https://doi.org/10.1016/j.sciaf.2020.e00539>.
15. Tomno, R M; Kitulu, L; Nzeve, JK; **Waswa, F**; Mailu, S N; Shitanda, D. 2020. Heavy Metal Concentrations in Vegetables Cultivated and Sold in Machakos Municipality, Kenya. *J. Appl. Sci. Environ. Manage.* Vol. 24 (12) 2027-2034. <https://www.ajol.info/index.php/jasem>, <http://www.bioline.org.br/ja>. DOI: <https://dx.doi.org/10.4314/jasem.v24i12.3>
16. **Waswa, F**; Mwamburi, M; Wakindiki, IIC and Chemutai, R (2020). Soil Properties and Fertility Management within Ruiru Peri-Urban Area in Kiambu, County, Kenya. *J. Appl. Sci. Environ. Manage.* Vol. 24 (5) 839-844. <https://www.ajol.info/index.php/jasem>. <https://dx.doi.org/10.4314/jasem.v24i5.17>
17. **Waswa F.** (2020). Researching Religion-Terrorism Nexus for Sustainable Global Security Management: Is Islam being falsely accused? *CHEMCHEMI - International Journal of Humanities and Social Sciences*. 11 (1) 35-47. DOI10.33886/cijhs.v11:1.140
18. Mwamburi M and **Fuchaka W.** 2020. Socioeconomic and customer factors affecting fresh produce trading in Nairobi City Park market. *East African Journal of Science, Technology and Innovation*, Vol. 1 (2): 1-16. EISSN: 2707-0425
19. **Waswa F.**, Wangia J and Waudu J. 2020. A Rapid Appraisal of Poor Educational Performance in Selected Secondary Schools in Navakholo Constituency in Kenya. *International Journal of Education and Research*. 8 (5) 19-32. www.ijern.com/journal/2020/may-2020/02.pdf
20. Wangia J, **Waswa F** and Waudu J. (2019). Determinants of Self-Esteem, Educational Performance and Career Prospects among Secondary School Students in Navakholo Constituency, Kakamega, Kenya. *Journal of Education and Practice*. Vol.10, No.14,

- 41-47. ISSN 2222-1735. DOI: 10.7176/JEP.
21. Kaburu, F. Danga, B. O., **Waswa, F.** 2019 Optimal Interactions of Nitrogen Fertilizer Rates and Water Levels for Highest Performance of Greenhouse Lettuce in Karlo Kabete, Nairobi. *Global Scientific Journal* (7) 9: 874-889, ISSN 2320-9186
 22. **Waswa F. (2018):** Perspectives of Exiting Undergraduate Students on the Status of Agricultural Extension in selected Counties in Kenya. *Journal of Rural Development*. Ministry of Rural Development, Government of India. 37 (4) 661-678. www.nird.org.in
 23. Muthenya S M, Mbugua P, **Waswa F** and Kinama J. (2018). Effects of Community Livelihood Practices and Nutritional Value on the Conservation of *Melia Volkensii* Gürke in Makueni County, Kenya. *International Journal of Innovative Research and Knowledge*. 3 (9) 261-269.
 24. F.W. Muriu-Ng'ang'a, M.Mucheru-Muna, **F.Waswa**, F.S. Mairura. (2017). Socio-economic factors influencing utilisation of rain water harvesting and saving technologies in Tharaka South, Eastern Kenya. *Agricultural Water Management*. 194:150-159. <https://doi.org/10.1016/j.agwat.2017.09.005>
 25. Wachera R W and **Waswa F.** 2017. Enhancing Energy Access and Soil Fertility Management through Biogas Technology in Smallholder Dairy Production Systems in Nyeri County, Kenya. *International Journal of Agriculture and Environmental Research* (3) 5: 3691-3708. ISSN: 2455-6939.
 26. Kanyiri G and **Waswa F. (2017).** Enhancing benefits from biomass wastes within small-medium scale coffee processing factories in Kiambu County, Kenya. *African Journal of Environmental Science and Technology*. 11 (4) 198-206 <http://www.academicjournals.org/AJEST>. DOI: 10.5897/AJEST2016.2243
 27. Mwoga M G. Obando J and **Waswa F. (2016).** Perceptions and Truism of Climate Variability within Smallholder Farming Communities in Meru County, Kenya. *Journal of Scientific Research & Reports*. 9 (1)1-12. **Article no.JSRR.20239, ISSN: 2320-0227.**
 28. Ayaa D, D. and **Waswa F. (2016):** Role of indigenous knowledge systems in the conservation of the bio-physical environment among the Teso community in Busia County-Kenya. *African Journal of Environmental Science and Technology*. 10 (12) 467-475, DOI: 10.5897/AJEST 2016.2182, <http://www.academicjournal.org/AJEST>
 29. Mwoga M. G, **Waswa F** and Obando, J. (2015): Emerging Land Use Changes-Climatic Variability Nexus in Meru County, Kenya. *Journal of Environment and Earth Science*, 5 (20) 118-129. <http://iiste.org/Journals/index.php/JEES/article/view/26823>.
 30. Makoti A and **Waswa F. (2015).** Rural Community Coping Strategies with Drought-Driven Food Insecurity in Kwale County, Kenya. *Journal of Food Security*. Vol. 3, No.3, 87-93. Available at <http://pubs.sciepub.com/jfs/3/3/4> DOI:10.12691/jfs-3-3-4
 31. Barasa M and **Waswa F. (2015).** Effects of Returnees Re-Integration on the Livelihoods of Host Communities in Leer County, South Sudan. *International Journal of African and Asian Studies*, 13: 10-19. <http://iiste.org/Journals/index.php/JAAS/article/view/25604/26256>
 32. **Waswa, F** and Mutisya, E. (2014). Maximizing on Strategic Partnerships for Eradicating Slums and Human Deprivation in Kenya's Cities, *African Journal of Sustainable Development*, 4 (3) 151-168. <http://www.ajol.info/index.php/ajsd>
 33. **Waswa F** and Netondo G W. (2014). Integrating Sustainability Ethics in Commercial Sugarcane Farming in the Lake Victoria Basin, Kenya. *Journal of Agricultural and Environmental Sciences*. 2 (1): 01-18. <https://jaes.thebrpi.org/vol-3-no-1-march-2014-abstract-9-jaes> (Retrieved August 13, 2024)
 34. Mutinda N R., Waudo J & **Waswa F. (2013).** From National to Regional Tourism Development Focus in Kenya: Examining the Challenges and Opportunities, *Tourism Planning & Development*, 10 (1)99-109.

- <http://dx.doi.org/10.1080/21568316.2012.729759>
35. Mutinda R., Waudu J. and **Waswa F. (2012)**. Examining Kenya's Tourist Destinations' Appeal: The Perspectives of Domestic Tourism Market. *Journal of Tourism and Hospitality*, <http://dx.doi.org/10.4172/2167-0269.1000103>.
 36. **Waswa F** and Swaleh S. (2012): Faculty Opinions on emerging Corporatization in Public Universities in Kenya, *Herald Journal of Education and General Studies* www.heraldjournals.org/hjegs/archives.htm
 37. **Waswa F**, Gweyi-Onyango, J P and Mcharo, M. (2012). Contract Sugarcane Farming and Farmers' Incomes in the Lake Victoria Basin, Kenya, *Journal of Applied Biosciences* 52: 3685 – 3695. ISSN 1997-5902, <http://www.m.elewa.org/JABS/2012/52/5.pdf>
 38. Netondo, G. W; **Waswa, F**; Maina, L; Naisiko, T., Ngaira, J.K. and Masayi, N. (2010). Agrobiodiversity endangered by sugarcane farming in Mumias and Nzoia sugarbelts of Western Kenya. *African Journal of Environment, Science and Technology*. 4 (7) 437-445, ISSN 1991-637X: <http://www.ajol.info/index.php/ajest/article/view/71293>
 39. **Waswa, F.**, Mcharo M and Netondo G. (2009). Enhancing Household Food and Income Security through Crop Diversification in the Nzoia and Mumias Sugarbelts in Kenya: *Journal of Applied Biosciences* 23: 1406-1415, ISSN 1997-5902. <http://www.m.elewa.org/JABS/2009/23/6.pdf>
 40. **Waswa, F**; Netondo, G; Maina, L; Naisiko, T and Wangamati, J. (2009). Potential of Corporate Social Responsibility for Poverty Alleviation among Contract Sugarcane Farmers in the Nzoia Sugarbelt, Western Kenya. *Journal of Agricultural and Environmental Ethics*, 22 (5) 463-475 <http://www.springerlink.com/content/076h8032x2143147/fulltext.pdf>
 41. Mwikali, L; **F Waswa**, P Abwao. (2008). Environmental effects of energy shortages in Mavoloni Location Machakos, Kenya. *African Journal of Environmental Studies and Development* (1) 92-98.
 42. **Waswa F** and Katana G. (2008). Academic Staff Perspectives on Operating Beyond Industrial Actions for Sustainable Quality Assurance in Public Universities in Kenya. *International Journal of Environment, Workplace and Employment*, Vol. 4, No. 1, 2008, 45-58, DOI: 10.1504/IJEWE.2008.022257 <http://www.inderscience.com>.
 43. **Waswa F**; Shitanda D and Akhaukwa P. (2004). Analysis of Remuneration Disparities within Public Universities in Kenya: Towards Reversal of Brain Drain and Brains in the Drain. *Tanzanian Journal of Population Studies and Development*. Vol. 11, No. 1: 79-90.
 44. **Waswa, F.**, Gachene, C. K and Eggers, H. (2002). Assessment of Erosion Damage in Ndome and Ghazi, Taita Taveta, Kenya: Towards an integrated erosion management approach. *GeoJournal* 56: 171-176, Kluwer Academic Publishers, <http://www.springerlink.com/content/g210718820110027/fulltext.pdf>
 45. **Waswa, F.**, Eggers, H., and Kutsch, T. (2002). Beyond Land Titling for Sustainable Management of Agricultural Land: Lessons from Ndome and Ghazi in Taita Taveta, Kenya. *Journal of Agriculture and Rural Development in the Tropics and Subtropics*, 103 (2) 107-115.
 46. **Waswa, F.**, Eggers, H., Kutsch, T., and C. K. K Gachene. (2000). Community Capacity Building as an Opportunity for Sustainable Land Management: lessons from Ndome and Ghazi in Taita-Taveta District, Kenya. *Journal of Agriculture in the Tropics and Subtropics*, (101) 181-189.

7.2. University Level Scholarly Books

1. **Sisa Fuchaka (2023).** Christians at Crossroads in Kenya. Entangled by Religious and Global Political Correctness. Second Edition. KurArts Designs and Digital Printers, Nairobi, Kenya. **ISBN: 978-9966-955-35-7.** <https://ir-library.ku.ac.ke/handle/123456789/28386>
2. Waswa F, Shitanda D and Mukolwe M. (2022). Farm Energy, Power and Machinery for Non-Engineers. A Reader for University and College Students in Kenya. KurArts Designs and Digital Printers, Nairobi, Kenya. ISBN: 978-9966-955-36-4 <https://ir-library.ku.ac.ke/handle/123456789/28385>
3. Waswa F. (2020). Corporate and Intellectual Social Responsibility. A Guide for Industry and Service Institutions in Kenya. Ecostat Consulting Limited. KurArts Designs and Digital Printers, Nairobi, Kenya. **ISBN: 978-9966-955-33-3** <https://ir-library.ku.ac.ke/handle/123456789/28384>
4. **Waswa F, Kilalo C and Mwasaru D (2020). (2nd Edition).** Sustainable Community Development: Dilemma of Options in Kenya. KurArts Designs and Digital Printers, Nairobi, Kenya. **ISBN: 978-9966-955-32-6.** <https://ir-library.ku.ac.ke/handle/123456789/12372>
5. Aloo-Obudho, P., Ziegele F (Eds); Abenga E, Indede F and Waswa F (Ass. Eds). (2018). *Developing Visionary, Effective and Transformative University Leaders: A Training Guide*. Kenya DAAD Scholars Association, Nairobi, Supported by DAAD & Commission for University Education. **ISSN: 1814-5027.**
6. **Waswa F., Kilalo C K and Mwasaru M. (2014).** Sustainable Community Development: Dilemma of Options in Kenya. Palgrave Macmillan, USA. DOI:10.1057/9781137497413.0001, **ISBN: 978-1-137-49739-0.** <http://www.amazon.com/Fuchaka-Waswa/e/B00NZ982JO>
7. **Waswa F, Netondo W, Maina W and Naisiki T (eds). (2011):** Commercial Sugarcane Farming in the Lake Victoria Basin: Quandary of Opportunities. *Fountain Publishers, Kampala*, www.fountainpublishers.co.ug. **ISBN 978-9970-25-091-2.**
8. **Waswa, F., Otor, S, Olukoye G and Mugendi, D. (eds) (2007).** Environment and Sustainable Development: A Guide for Higher Education in Kenya. Volume II. School of Environmental Studies and Human Science, KU. (ISBN: 9966-776-34-6).
9. **Waswa, F., Otor, S and Mugendi, D. (eds) (2006).** Environment and Sustainable Development: A Guide for Tertiary Education in Kenya. Vol I. School of Env. Studies and Human Sciences, Kenyatta University: **(ISBN: 9966-776-02-8).**

7.3. Book Chapters

1. **Waswa F and Kituyi E. 2025.** Rethinking Food Security: A Sovereignty-Centred Agenda for Africa, In: Malancha C (Ed). South Africa's G20 Presidency Solidarity, Equality, and Sustainability in an Era of Discord, 60-74. Observer Research Foundation. [chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.orfonline.org/public/uploads/posts/pdf/20251124085508.pdf](https://www.orfonline.org/public/uploads/posts/pdf/20251124085508.pdf)
2. **Waswa F, Abenga E and Indede F. (2020).** Enhancing Completion Rates through Structural and Operational Changes in the Management of Postgraduate Programmes in Kenya's Public Universities, In: Frank Niedermeier and Xia Qin (Eds.) *Multipliers of Change. Sustainable Capacity Building in Higher Education Leadership and Management*. 85-102. Universitätsverlag Potsdam. <https://publishup.uni-potsdam.de/opus4-ubp/frontdoor/deliver/index/docId/47549/file/pbhf05.pdf>

3. Mureithi P., **Waswa F** and E. Kituyi. (2011). *Assessment of Occupational Safety Concerns in Pesticide Use among Small-Scale Farmers in Sagana, Central Highlands, Kenya*. In: A. Bationo et al. (eds). *Innovations as Key to the Green Revolution in Africa*. (2) 993-998, ISBN 978-90-481-2541-8, Springer Science+Business. <http://books.google.co.ke/books?>
4. **Waswa, F** and Mapinduzi A. (2007). *Maximising Ecosystem Human Well-being Linkages for Sustainable Development*, In: *Environment and Sustainable Development: A Guide for Higher Education in Kenya*. Volume II, Waswa et al (eds), School of Environmental Studies and Human Science, Kenyatta University, 1-20.
5. **Waswa, F.**, Kambona, C and Mireri, C. (2007). *Principles and Practices of Environmental Auditing in Kenya*, In: *Environment and Sustainable Development: A Guide for Higher Education in Kenya*. Volume II, Waswa et al (eds), School of Environmental Studies and Human Science, Kenyatta University, 296-314.
6. Maina L and **F Waswa**. (2007). *Evolving Pornographic Culture and its Implications on the spread of HIV/AIDS among the youth in Kenya*, In: *The Intersection of Human Capital, Gender and HIV/AIDS in the African Context*. Welpé I and Owino P (eds), Lang P: Europaischer Verlag der Wissenschaften, Frankfurt am Main, 67-79 (ISBN 3-631-54068-X).
7. **Waswa, F.** (2006). *Opportunities and Challenges for Sustainable Agricultural Land Management in Kenya*. In: *Environment and Sustainable Development: A Guide for Tertiary Education in Kenya*. Volume I. Waswa et al (eds). School of Environmental Studies and Human Science, Kenyatta University: 53-69. (ISBN: 9966-776-02-8).
8. Thuo D and **Waswa, F.** (2006). *Understanding and Managing Eco-Conflicts and Environmental Insecurity*. In: *Environment and Sustainable Development: A Guide for Tertiary Education in Kenya*. Volume I. Waswa et al (eds). School of Environmental Studies and Human Science, Kenyatta University: 121-141.
9. **Waswa, F** and Mburu, J. (2006). *The Potential of Dryland Farming in Kenya and Environmental Implications*. In: *Environment and Sustainable Development: A Guide for Tertiary Education in Kenya*. Volume I. Waswa et al (eds). School of Environmental Studies and Human Science, Kenyatta University: 70-90.
10. Maina, L, **Waswa, F** and Waiyego S. (2005). *Pitfalls in Constitution-making in Kenya: Experiences from Bomas and the 2005 National Referendum*. In: Charton H and Medard C. (eds). *L'Afrique Orientale, Annuaire 2005*. L'Harmattan, Paris, 103-128. (ISBN: 978-2-296-02643-8).
11. **Waswa, F.**, Kutsch, T. and Muthengi, K. (2004). *Gender-Land Degradation-Livelihood Nexus. Lessons from Ndome and Ghazi in Taita Taveta, Kenya*. In: Temu et al (eds). *Rebuilding Africa's Capacity for Agricultural Development. The Role of Tertiary Education*. African Network for Agroforestry Education, 320-329 (ISBN: 92-9059-1609).

7.4 Modules in Leadership and Higher Education Management

1. **Aloo-Obudho, P.A and Waswa F.** 2018. *The University Environment*. In: *Developing Visionary, Effective and Transformative University Leaders: A Training Guide*. Kenya DAAD Scholars Association, Nairobi, 9-11. ISSN. 1814-5027
2. **Fuchaka W and Aloo-Obudho, P A.** 2018. *Organizational Behaviour, Development and Effective Institutional Change*. In: *Developing Visionary, Effective and Transformative University Leaders: A Training Guide*. Kenya DAAD Scholars Association, Nairobi, 21-23. ISSN: 1814-5017.

7.5 Learning Modules and Units taught in the University

1. KCU 802: Philosophy of Sustainability Science
2. KRM 206: Farm Power and Agricultural Machinery
3. KRM 311: Agriculture and Environment
4. KRM 313/819: Irrigation and Water Resources Management in Drylands
5. KRM 402/405: Organic Farming and Conservation Agriculture
6. KRM 406/808: Soil and Water Conservation
7. KRM 817: Land Use Planning and Policy

7.6. Development Policy Briefs

1. **Waswa, F 2019.** Saving Agricultural Land for Food Security Planning in Ruiru Sub-County, Kiambu. Policy Brief 1: KU-VC Grant 2017
2. **Waswa, F. 2019.** Rain water Harvesting for Domestic and Peri-Urban Agriculture in Ruiru Sub-County, Kiambu. Policy Brief 3: KU-VC Grant 2017
3. **Waswa, F. 2019.** Soil Fertility Management for Peri-urban Agriculture in Ruiru Sub-County, Kiambu. Policy Brief 2: KU-VC Grant 2017.

7.7. Short Communications in National Discourses / Civic Duty

1. **Waswa F. 2015:** *Referendum Clamour: Time to Amend the “20% Flaws” in the 2010 Constitution.* December Issue. Gitobu Imanyara and Company. www.theplatformke.com
2. **Waswa F. 2015:** *The Ultimate Solution to Industrial Actions in Kenya.* The Platform for Law, Justice and Society. August, 9. 59-60, Gitobu Imanyara and Company. www.theplatformke.com
3. **Waswa F. 2015:** *Demystifying Religious Radicalism, Fundamentalism and Extremism.* The Platform for Law, Justice and Society. June, No. 7. Pg 5, Gitobu Imanyara and Company. www.theplatformke.com

7.8 Published Conference Papers and Abstracts

1. **Waswa F, Mwetu K and Chemutai R. 2019.** Effects of Soil Fertility and other Drivers on Land use Changes and Human Well-being in Ruiru Sub-County, Kiambu, Kenya. In: Book of Abstracts, KU Biennial Research and Innovation Conference. 23-25th Oct 2019. Pg 120.
2. **Waswa F, Yego R and Mwetu K. 2019.** Land Use Land Cover Changes and Implications on Food Production Planning in Ruiru Sub-County, Kenya. In: Book of Abstracts, KU Biennial Research and Innovation Conference. 23-25th Oct 2019. Pg 123.
3. **Waswa F, Wangai P and Nalwa P. 2019** Potential of Roof Catchment and Management Implications at Kenyatta University, Kenya. In: Book of Abstracts, KU Biennial Research and Innovation Conference. 23rd 25th October 2019. Pg 159.
4. **Waswa F. 2018:** Investing in Agricultural Leadership Innovation for Sustainable Food Security Planning in Kenya: Historical Lessons and Insights from *Josephonomics*. Proceedings of the 1st Annual International Conference on Harnessing Scientific Research, Innovation and Technology for Sustainable Development, 17th – 19th April, 2018. Machakos University, Kenya, pp. 145-154. ISBN: 978-9966-117-37. <http://ir.mkusu.ac.ke/handle/123456780/700>
5. **Waswa F. (2017).** *From Standardization to Categorization of Vice-Chancellors in Kenya: A Change Management Dilemma in University Education.* Keynote Address presented in the Kenya DAAD Scholars Association (KDSA) International Conference on Higher Education, 4th-6th October 2017, Meru University, Kenya

6. **Waswa F**, Akunga D, Obonyo M, Itolondo W and Mahiri J. **(2016)**. *Interrogating the Harmonized Promotion Criteria: Toward Quality Assurance in Kenya's University System*. Paper presented in the 1st Biennial Conference on the Status of Higher Education in Kenya, 22nd To 25th August 2016, Kenyatta University.
7. **Waswa F. (2016)**: *Unpacking Quality Assurance and Sanctifying Academic Titles in Kenya's Higher Education*. Paper presented in the Kenya DAAD Scholars Association Mount Kenya Region 2016 Annual Conference, 10th - 12th February 2016, Karatina University.
8. **Waswa F (2011)**. *The Potential of "Systems Thinking" in the Eradication of Slum Settlements in Kenya*". Paper presented in the Int Conference on the role of Higher Education for Sustainable Dev in Africa, 10-16th Oct 2011, UN University - Tokyo, Japan.

8. POST-GRADUATE EXAMINATION & SUPERVISION

8.1. PhD Examinations as Internal and External Examiner

1. **3rd March 2026**. Mecheo, Naftal Omonywa (A82/57046/2020) External Examination Report - Thesis Title: Assessment of Governance Structures in Economic Viability for Sustainable Solid Waste Management in Kisii Town, Kenya. PhD Thesis. Faculty of Science and Technology, University of Nairobi.
2. **4th June 2025**. Walter Jabali Jilani (MG81/PU/36143/18). Influence of Selected Community Capitals on Adoption of Climate SMART Agriculture Technologies among Smallholders' Households in Lamu County, Kenya. PhD Thesis, Pwani University
3. **17th October 2022**: Internal Examination Report - PhD Thesis. Nyiratuza M. (PhD/059/2022). *Implications of Biodiversity Conservation on Food Security around Volcano National Park, Rwanda*. Department of Environmental Planning and Management, Kenyatta University.
4. **17th January 2022**: External Examination Report - PhD Thesis. Muiruri J M (A82/9667/2014). *Assessment of Residents' Knowledge, Attitude, and Practices on Solid Waste Management in Urban Areas: A Case of Eastleigh Nairobi City County*. Faculty of Science and Technology, University of Nairobi.
5. **20th April 2021**: Internal Examination Report - PhD Thesis: Mutiso M N. (C82/12109/09) *An Investigation of the Poverty-Environmental Degradation Nexus in Kitui County, Kenya*. Department of Geography, Kenyatta University.
6. **6th July 2021**: External Examination Report - PhD Thesis: Mwangi M W (I85/92881/2013). *An Innovative Systems Approach: Toward Enhanced Farmer Adoption of Climate Services*. University of Nairobi.
7. **16th April 2020**. External Examiner of PhD Thesis. Hassan F A. (N83/PU/3087/14): *Analysis of Community Participation in Development Initiatives in Coastal Kenya: Perceptions and Influence on Access to Social Services*. Pwani University
8. **28th June 2016**. External Examination Report – PhD Thesis. Chege J M (N83/PU/2061/13). *Determinants of Sustainable Household Food Security Status among Smallholder Farming Community in Kilifi Sub-County, Kenya*.
9. Pwani University. **27th May 2016**: Internal Examiner, PhD Thesis. Kimani C W (N85/24680/2011): *Implications of the Northern By-Pass on Land Values, Land use and Livelihoods*. Department of Environmental Planning and Management, Kenyatta University

8.2. Successful Supervision of PhD Students

1. **Stacy N Waudu:** (N85/38701/17) **2024:** Enhancing Availability, Access and Use Efficiency of Biomass Energy in Rural Agro-ecosystems of Kakamega County, Kenya
2. **Sarah Mueni Muthenya** (N85/14558/09) **2017:** Effects of Community Livelihood Practices on the Conservation of *Melia Volkensis Gurke* in Makueni County, Kenya
3. **Felista W. Muriu:** (N85/12014/2007): **2016.** Opportunities and Challenges of Investing in Rainwater Harvesting Technologies for Improved Crop Production in the Semi-arid Areas of Eastern, Kenya.
4. **Joseph Kurauka Kathiai** (N85/13607/2009). **2015:** Socio-Economic and Environmental Effects of Tree Species in Different Agro-Ecosystems in Embu and Kitui, Kenya (Graduated December 2015)
5. **Gilbert Muthee Mwoga** (N85/13608/2009). **2014:** Topo-sequence Analysis of Climatic Variability and Land Use Changes among Smallholder Farmers in Meru County, Kenya.
6. **Dominics Dan Ayaa** (N85/12331/09). **2013:** Effects of Changes in Indigenous Environmental Knowledge Systems on the Bio-Physical Environment in Teso, Kenya.

8.3 Successfully Supervision of Masters Students

1. Linge Kitulu (N50/CTY/PT/38845/2017) **(2022).** Assessment of Heavy Metals and Bacteriological Contamination of Mitheu and Mwanja Streams and Vegetables Irrigated thereof in Machakos Municipality, Kenya **(KU-SAES)**
2. Naghea, Jillo (N50/CTY/PT/38210/2016) **(2022):** Adoption status of Climate-Smart Agriculture among small scale farmers in Kiambu County, **(KU SAES)**
3. Fabian Kaburu (A 147/OL/CTY/26924/2014): **(2021).** Assessment of Optimal Interactions of Water Levels and Nitrogen Fertilizer Rates for Green House Lettuce Performance in KARLO Kabete, Nairobi. SAED **(KU-SAED).**
4. Mutai, Philip (A147/OI/24533/2013): **(2020).** Status of Crop Farming and Strategies Employed to Scale-Up Yields for Enhanced Food Security in Turkana County, Kenya.
5. Phebe Nalwa (N50/CE/23099/2010): **(2019).** Assessment of Rainwater Harvesting and Management in Peri-Urban Kahawa Sukari Area, Kenya. SES.
6. Ronald Kibet Yego (N50/CTY/PT/38050/2016): **(2019).** Effects of Land Use Changes on Agricultural Land and Other Ecosystem Components in Ruiru Sub-County, Kiambu Kenya
7. Caroline N Mutua (N50/CE/11401/2008). **(2018)** Evaluation of Apiculture in the Context of Food Security and Environmental Management in Kathonzweni Division, Makueni County, Kenya.
8. Millicent Mworira (N50/CE/23124/2010): **(2016):** Assessing Effects of Declining Wood Fuel on Cooking and Feeding Patterns in Tigania West, Meru County, Kenya.
9. Margaret Okumu (N50/CE/14195/2009). **(2016):** The Missing Link in the Management of Floods in Bunyala, Busia County, Kenya.
10. Beryl A Oyugi (N50/25773/2011). **(2016):** Effects of Sugarcane farming on Community Livelihoods in Transmara, Narok County, Kenya.
11. Ruth W Wachera (N50/12345/2009). **(2014):** Assessing the Challenges of Adopting Biogas Technology for Provision of Energy Services among Smallholder Dairy Farmers in Mukurwe-ini, Nyeri, Kenya.
12. Stephen W Kitung'a (N50/CE/11425/2007). **(2014):** Assessing Sand Harvesting Based on Life Cycle Management and Implications for Policy Development in Makueni County, Kenya.
13. Ruth Mwongeli Munyao (N50/10253/2006). **(2014):** Assessment of Small-Scale Water Harvesting and Saving Technologies in Kathiani, Kenya.

14. Andrew Makonde Makoti (N50/10401/2008). **(2014):** Effective Drought and Food Insecurity Coping Strategies in Kwale County, Kenya.
15. Francis N Kabochi (N50/CE/11929/2007). **(2013):** Social Economic Factors Affecting Production of Indigenous Food Crops among Small-Scale Farmers in Narok County, Kenya.
16. Joseph Wangamati (N50/12577/2005) **(2013):** Effects of Commercial Sugarcane Farming on Community Livelihoods and Ecosystem Services in Nzoia Sugarbelt, Bungoma County, Kenya.
17. Martin Barasa (MD/070/2009) **(2013):** Effects of Returnee Integration on the Livelihoods and Bio-physical Environment of Host Community in Leer County, South Sudan. St. Paul's University.
18. Gituma C K. (N50/15243/2008) **(2012):** Potential of Pulp and Husk from Coffee Processing for Agricultural and Energy Services in Kiambu County, Kenya.
19. Mugambi A, G (N50/CE/11471/2007) **(2012):** The Role of Environmental Conservation on the Survival of Indigenous Medicinal Knowledge in Meru County, Kenya.
20. Nancy L Abisai (MD/0216/2011) **(2012):** Evaluation of the Slum Upgrading Programme in the context of Social Housing in Kisumu County, Kenya. St. Paul's University.
21. Abdi Z Dubow (N50/12955/2005) **(2011):** Mapping and Managing the Spread of *Prosopis Juliflora* in Garissa County, Kenya.
22. Mary Maingi (N50/10688/2007) **(2011):** Status of Urban Agriculture and its implications for Policy Changes in Urban Land Use in Nairobi, Kenya.
23. Abraham. M Wekesa (N50/12945/2005) **(2011):** Potential of Life Cycle Management for Sustainable Production of Sugar at Mumias Sugar Company, Kenya.
24. Gerald I Maina (N50/CE/11935/2007) **(2010):** Community-based Opportunities and Challenges of using Water Reclaimed from the Ruai Sewage Plant in Nairobi, Kenya.
25. Julia Karimi (N50/CE/11928/2007) **(2010):** Status of Multi-storey Gardens and Opportunities for Vegetable Production in Pumwani, Nairobi.
26. Regina N Maingi (N50/10242/2006) **(2010):** The Potential Role of *Jathropa Curcas*. L for Environmental Management and Sustainable Livelihoods in Kibwezi, Kenya.
27. Ray. M Ndivo (H60/11257/2004) **(2009):** Status of Kenya's Domestic Tourism Destinations and Factors influencing their Choice among Nairobi Residents.
28. Abidan Kaari (N50/13685/2005) **(2008):** Opportunities and Challenges of Ecologising Extension Service at the Farm Level, Mitharu Agro-Ecosystem, Meru South District, Kenya.
29. Gathima, Veronica. N. (N50/12584/2005) **(2008):** Opportunities and Challenges of Community-Based Forest Resource Conservation in Naro Moru Ecosystem, Kenya.
30. Kuria, Ann. W. (N50/12583/2005) **(2008):** Assessment of the Effects of Habitat Transformation on the Nairobi National Park and Kitengela Ecosystem.
31. Kariuki, Peter. M. (N50/11360/2004) **(2008):** Assessment of Farmers Behaviour towards Pesticides and its Implications on Environmental and Community Health in Sagana, Nyeri, Kenya.
32. Mwikali, L Elijah. (N5012579/2005) **(2008):** Challenges and Opportunities of Infrastructure and Service Delivery in Kianda-Kibera Slums, Nairobi.
33. Gaugiria, Rose. (N50/12585/2005) **(2008):** Assessing the Effectiveness of the Lower Imenti Forest Reserve Electric Fence in Mitigating Human-Wildlife Conflict.
34. Kithumbu, J. **(2007):** Assessment of Collaboration Dynamics among Civil Society Organisations at Siakago Division, Mbeere District Kenya.

35. Njau, J. M. (2006). Assessment of Business Opportunities in Domestic Solid waste Management in Eldoret Municipality, School of Business, Kenyatta University.
36. Wairuri, S. C. (2006): The Role of Environmental Action Learning in Developing Farmers of the Future: A Case Study of Mathira Division, Nyeri.
37. Kaiganaine, E. G. (2005). Assessment of Private Solid Waste Management as an Entrepreneurial Venture in Nairobi. School of Business, Kenyatta University.
38. Nyangongo, S. M. (2005). The Role of Corporate Social Responsibility in the Profitability of Selected Companies in Nairobi. School of Business, Kenyatta University.

9. CONFERENCES/SEMINARS/WORKSHOPS ATTENDED

9.1 International

1. **14-15th May 2025.** Participated in the Community Workshop on Sustainability with theme: Sustainable Business Practices for Inclusive and Resilient Socio-Economic Growth. Africa Centre of Excellence on Sustainable Operations for Resource Management and Food Supply. Nairobi University Towers.
2. **14th to 16th June 2023.** Was Keynote Speaker in the Machakos University 5th International Conference on the topic: *From Food Security to Food Sovereignty for Sustainable Socio-economic Development, held at Machakos University*
3. **25th May 2022.** Panellist and presented a paper entitled: Land Use Planning for enhanced Food Sovereignty and Environmental Health in Kenya. The Masinde Muliro University of Science and Technology 15th Multi-Disciplinary International Virtual Conference
4. **27th May 2022.** Presented a paper entitled: Equitable and Integrated Financing of the National Health Insurance Fund for Sustainable Delivery of Universal Health Care in Kenya: The Masinde Muliro University of Science and Technology 15th Multi-Disciplinary International Virtual Conference.
5. **23-26th October 2019:** Kenyatta University Biennial Research and Innovation Conference
6. **28th February 2019:** Invited as an expert in Higher Education in a Conference on theme “Universities and the Public Good: Perspectives from Four African Countries. Programme for the research findings workshop in Kenya”. Utalii Hotel Nairobi. CODESRIA
7. **9-10th 2018:** Presented a Paper entitled “Researching Islam-Terrorism Nexus for Sustainable Global Security and Peace Management” in the 3rd International Conference held at Hekima University College, Nairobi, Kenya.
8. **26th – 28th July, 2017:** Participated as an Expert in the Workshop for the Development of a Curriculum Guide on *Evergreen Agriculture (EVA)*, ICRAF Campus, Nairobi Kenya.
9. **14th June 2017:** Was a member of the planning team for the *Evergreen Agriculture (EVA)* Curriculum Guide for tertiary and higher education, ICRAF Campus, Nairobi, Kenya
10. **17th -19th May 2017:** Participated as a Mentor in the Climate Impacts Research Capacity Leadership Enhancement (Circle) Supervisors and Mentors Workshop held at the African Academy of Sciences, Nairobi, Kenya
11. **22nd – 25th November 2016:** *Agricultural Governance Innovation as the weak link in eliminating Food and Nutrition Insecurity in Africa.* Paper presented in the Academic Seminar on Agriculture Innovation in the Global Research Council Africa Regional Meeting on 23 to 24 November 2016 in Maputo, Mozambique

12. **23rd – 26th August 2016:** Participated as co-chairman of the Organising Committee of the 6th African Regional Centres of Expertise (RCE) conference, held at KU.
13. **30-31st July 2015:** Second Africa Ecosystem Based Adaptation for Food Security Conference. United Nations Complex, Nairobi.
14. **1st-5th December 2014:** Participated as member of organising committee in the “International Conference on Building a new generation of Agricultural Scientists, joined sponsored by KU, AGRA, DAAD at Kenyatta University, Kenya.
15. **29th Feb – 5th March 2012:** *Contextualising Sustainability Research in Kenya’s Higher Education*, Conference paper with theme -Sustainability Science and the Future of Africa, held in the University of Tokyo, Japan.
16. **16th - 20th November 2011:** Attended the 54th Annual Meeting of the African Studies Association Marriott Wardman Park Hotel **Washington, DC, USA**
17. **2nd-6th November 2011:** 2011 Fulbright Visiting Scholar Regional Enrichment Seminar, Human Rights and the Global Democracy Movement, GCIV, **Atlanta Georgia, USA**
18. **10th - 16th October 2011.** *The Potential of “Systems Thinking” in the Eradication of Slum Settlements in Kenya*. Paper presented in the international conference on the role of higher education for sustainable development in Africa, United Nations University, **Tokyo, Japan.**
19. **18th – 19th April 2011.** Represented Kenyatta University in the Europe-Africa Quality Connect Training Workshop for Higher Education Institutions in **Accra, Ghana.**
20. **4th – 6th June 2008:** Participated in 5th Conference of the Network for Graduate Surveys. International systems and Experiences, **Uni-Kassel, Germany.**
21. **29th – November 2007** *Academic Staff Assessment of Corporate Management in public Universities in Kenya: A Pilot Study*. Paper presented in the Regional Eastern Africa Uni-Staff Alumni Network Conference, **Lilongwe, Malawi.**
22. **18th-20th September 2007.** *Land Use Options: Planning, Environment and Reality*. Paper presented in the VicRes Land Use Cluster Conference, **Kigali, Rwanda**

9.2 Regional

1. **19th to 20th September 2023:** DAAD Alumni Network Meeting. Commemorating the 50th Anniversary of DAAD Nairobi Regional Office for East Africa and 60 years of German-Kenya Diplomatic Relations
2. **28th – 29th March 2019:** Participated as an expert in the “Agroforestry Curriculum Development Workshop” held at Kenyatta University, Nairobi, Kenya Courtesy of the African Network for Agriculture, Agroforestry & Natural Resources Education.
3. **23rd-27th October 2018:** Was a member of the Local Organising Committee (representing Kenyatta University) of the Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) Biennial Conference held at KICC, Nairobi.
4. **10th November 2016:** Participated in the “*Policy Dialogue of Youth Engagement in Agriculture*” as part of the event of the Regional Sharefair on Gender and Resilience Conference, World Food Programme, UN Women at Safari Park Hotel, Nairobi.
5. **24th – 26th November 2014:** Participated as a member in the 7th Horn of Africa – Regional Environmental Network meeting in Addis Ababa University, Ethiopia.
6. **11-15 August 2014:** Participated as a Mentor at a Writeshop for Early Career Researchers in East Africa, Organized by the Stockholm Environment Institute, at ICRAF, Nairobi.
7. **28th – 30th May 2014:** DAAD – Conference celebrating 40 years of the DAAD Regional Office for Africa on theme, “**How to Equip a Leader**”: Safari Park Nairobi.

8. **24th – 27th June 2013:** Attended as a member the 6th Horn of Africa Regional Environmental Network Meeting on the theme: Biodiversity and Economics of Forest and Water Ecosystem, and official opening of the HoA-REN centre, Addis Ababa, Ethiopia.
9. **21st – 22nd June 2012:** Represented Kenyatta University in the Europe-Africa Quality Connect final dissemination Conference: A Bi-regional Approach to Strengthening University Capacity for Change, ECA conference Centre, **Addis Ababa, Ethiopia.**
10. **26th - 30th July 2010:** Scientific Writing and Oral Communication organized and sponsored by the Association for Strengthening Agricultural Research in Eastern and Central Africa (ASARECA), held at Sportsview Hotel, **Kigali, Rwanda.**
11. **13th – 17th October 2009:** Participated as member in the 4th Annual Meeting of the Horn of Africa Regional Environmental Network under the theme: Rural and Urban Ecosystems management: Opportunities and Challenges, **Khartoum, Sudan.**
12. **22nd – 26th April 2009:** Second Regional Stakeholder Meeting for the Development of the Regional PhD Programme in Soil and Water Management for Sokoine University of Agriculture, **Dar es Salaam Tanzania.**
13. **8th – 12th June 2009:** DIES-DAAD Proposal Writing for International Research Projects Workshop, Part II: **Naivasha, Kenya**
14. **12th – 16th January 2009:** DAAD - University Staff Development Programme ,Training of Trainers Workshop, Ridar Hotel **Kampala Uganda**
15. **18th – 20th September 2007:** Presented a technical paper entitled: *Land Use Options: Planning, Environment and Reality*, in the VicRes Land Use Cluster Conference, Club House, **Kigali, Rwanda**
16. **14th – 16th February 2007.** Participated as a Resource Person in an Inception Training Workshop on Integrated Ecosystem Assessment held at **Morogoro, Tanzania.**

9.3. Local

1. **21st November 2022:** Attended a virtual conference on theme: Is Kenya Ready for GMOs, organised by Kenyatta University Research Division.
2. **18th November 2022.** Attended a workshop on Innovations in Agricultural Risk Management in Kenya, organised by Wageningen University, IFPRI, KALRO and acre Africa, in The Social House, James Gichuru 154, Nairobi.
3. **27th – 28th September 2022:** Resource Person in a Curriculum Development Stakeholder engagement workshop for the School of Agriculture, Earth and Environmental Sciences, Taita Taveta University. Academic programmes developed were: BSc (Sustainable Community Development, BSc (Rangeland Ecosystem Management), MSc (Climate Smart Agriculture, and MSc (Env. Management).
4. **30th November 2021:** Participated as a Resource Person in a Curriculum Review Workshop of Masinde Muliro University of Science and Technology, at Busia.
5. **24th – 27th April 2019:** As a team member in module development and member of KDSA, I participated in the first pilot workshop on the training of university leaders Courtesy DAAD and the Commission for University Education, held at Lake Naivasha Simba Lodge
6. **July 25th – 27th 2018:** Participated as a Trainer in the DAAD DIES-National Multiplication Training II of Deans and Directors on Quality Leadership and Management in Higher Education, Workshop held at MMUST Kakamega
7. **18th – 21st December 2017:** Participated in a workshop as a Trainer in the DAAD DIES-National Multiplication Training I of Deans and Directors on Quality Leadership and Management: A Driver for Change in Higher Education, Karatina University.

8. **4th-6th October 2017**. Presented a paper entitled “*From Standardization to Categorization of Vice-Chancellors in Kenya: A Change Management Quagmire in Higher Education*”, Kenya DAAD Scholars Association Conference held at Meru University, Kenya.
9. **29th Nov – 2nd Dec 2017**: Participated as member of organising committee of the 2nd School of Agriculture and Enterprise Development (SAED) Biennial Conference, on the theme “*Enhancing Sustainable Agricultural Production and Marketing Systems*” held at Kenyatta University, Kenya
10. **3rd – 4th December 2016**: UASU-KU Chapter Induction Retreat on Employment and Labour Relations (Unionism, Labour Laws, Collective Bargaining Agreements in the context of Higher Education in Kenya), held at Nakuru.
11. **22nd-26th August 2016**: Participated in the 1st Biennial Conference on the State of Higher Education in Kenya, held at Kenyatta University and was co-author of a paper entitled: Interrogating the Harmonized Promotion Criteria towards Quality Assurance in Kenya’s University System.
12. **3rd – 4th August 2016**: Participated in the Workshop on Module Writing for Training University Leaders, organised by DAAD at CUE Headquarters, Nairobi. Specific task was to develop module on *Organisational Development and Change Management*.
13. **27th May 2016**: Invited as Guest Expert in Workshop to review the PhD programme in Development Studies of St. Pauls University, held at CHAK Conference Centre, Nairobi.
14. **10th-12th February 2016**: Presented a keynote address entitled “Reflections on Quality Assurance and Academic Titles in Kenya’s Higher Education System. in the Kenya DAAD Scholars Association Mount Kenya Region 2016 Annual Conference, Karatina University
15. **7th – 10th September 2015**: Invited to participate as a facilitator in the Kenya Agricultural Productivity Agribusiness Project stakeholders’ workshop in Nkubu, Meru County.
16. **22nd October 2014**: Presented a paper entitled: Environmental Ramifications of the “Kenyan” Culture: A Scenarios Analysis, in Annual Kenyatta University Culture Week.
17. **30th – 31st May 2013**: Participated in the DAAD organized Conference on African Cities of the Future: Smart, Sustainable, Participatory, at Safari Park Hotel, Nairobi.
18. **27th May 2013**: Participated as a Committee Member in the Workshop organised by the International Network on Appropriate Technology and Energy Engineering Department of Kenyatta University on Appropriate Technology for the 21st Century held at KUCC.
19. **19th – 23rd March 2012**: Was a committee member of the Education and Sustainable Development for Africa (ESDA Program) Induction Workshop for Faculty, KCB Leadership Centre, Karen, **Nairobi**
20. **3rd-8th October 2010**: Participated and presented a paper in the Annual Conference of the Horn of Africa Regional Environmental Network under the theme: Climate Change, Ecosystems and Livelihoods, Methodist Guest House, **Nairobi**.
21. **9th – 12th March 2009**: AGRA/Kenyatta University Workshop-Development of MSc/PhD Curricula in Integrated Soil Fertility Management, Merica Hotel **Nakuru**.
22. **6th – 10th November 2006**: Participated in the UNISTAFF Network Conference on Quality Assurance in Higher Education at Kenyatta University, **Nairobi**.
23. **27th June – 1st July 2006**: Eastern Africa Regional Workshop on HIV/AIDS Toolkit organised by the Association of African Universities and Kenyatta University held at the Kenya School of Monetary Studies, **Nairobi**.

24. **12th March 2005:** Participated in Seminar organised by Kenyatta University on HIV/AIDS as a workplace issue, held at Utalii Hotel, **Nairobi**.

10. RECOGNITION, COMMUNITY SERVICE AND OUTREACH

10.1 Appointment as Peer Reviewer

1. **April 2026:** DAAD MSc Scholarship applications tenable in the college of Engineering and Technology, at JKUAT
2. **2017 to 2020:** Peer Reviewer of the Grant applications - Future Leaders African Independent Research (**FLAIR**) Fellowships. The Royal Society of the United Kingdom (Ref: grants@royalsociety.org)
3. **November 2018:** External Reviewer of a grand proposal from Machakos University
4. **1st March 2016:** Appointed as an External Subject Expert in the Validation of the Master of Science in Land Resource Management Programme of the Department of Environmental Studies, Forestry and Agriculture of *Maasai Mara University, Narok*.
5. Have reviewed articles for several journals such as:
 - a. SpringerPlus
 - b. International Review of Education
 - c. Sustainability Science (UNU)
 - d. Land Degradation and Policy
 - e. Asian Journal of Agricultural Extension, Economics & Sociology
 - f. Academic Journals Series

10.2. Resource Person

1. **6th November 2023:** Key facilitator in Machakos University Postgraduate Studies Mentorship Colloquium.
2. **30th-18th October 2019:** Lead Trainer in Environmental Impact Assessment and Audit Course at the Kenya School of Government, Kabarnet Campus, Baringo County
3. **13th-30th August 2019:** Trainer in Environmental Impact Assessment and Audit Course at the Kenya School of Government, Nairobi
4. **4th April 2018:** Keynote speaker in the Debate on “Framework for *Socio-Ecological Market Economy*: The role of politics and policy making in Kenya, held at BSSC, Kenyatta University and sponsored by the Konrad Adenauer Stiftung, Germany.
5. **29th June 2016:** Resource person for the *Utalii College*, 2016 Management Development Programme on the theme: Environmental Management in Hotels: Contemporary Housekeeping Practices in Hospitality Industry
6. **17th March 2016:** Guest Speaker to the College of Engineering and Technology, JKUAT on the topic: “*Balancing Capacity, Competence, Recognition and Recognition for Quality Assurance in Engineering Practice*”.
7. **11-15th August 2014:** Writeshop of Young Scientists on how to prepare Journal Publications, organised by the Stockholm Environment Institute at ICRAF, Nairobi.
8. **11-15th August 2014:** Mentor at a Writeshop of Young Scientists on how to prepare Journal Publications, Courtesy Stockholm Environment Institute at ICRAF, Nairobi.
9. **2013 and 2014:** Resource person in Scientific Proposal Writing at *Multimedia University*

10.3 Appointments as External Examiner

1. **April 2022 to 2024:** Department of Environmental Studies and Community Development, Pwani University.

2. **August 2020.** Koitaleel Samoei University College, University of Nairobi.
3. **2013-2015.** University of Nairobi. Wangari Mathai Institute for Peace and Environmental Studies.
4. **2009:** PhD Thesis, Maseno University, Department of Environmental Science
5. **2008:** Supervisor and external examiner at St. Pauls University

10.4. Community Service and Outreach/Extension

1. **Sept 2021 to June 2022:** Motivation Speaker in various Primary Schools with focus on Classes 7 and 8 in Navakholo Constituency, Kakamega County.
2. **November 2021:** Sponsored tap water supply infrastructure for alma mater primary school for the first time in its history.
3. **November 2020:** Was Guest Speaker to the Kenyatta University Community during the International Men's Day commemorated on 19th November 2020, Courtesy of the Centre for Gender Equity and Empowerment.
4. **December 2019:** Responded to the call by the BBI committee to submit citizens' opinions on constitutional amendments to come. (My submission among uploaded items)
5. **2017-2019:** In my capacity as a Kenyatta University senior staff and as founding member of Academic Mentorship and Advancement (AcMA) – Community Outreach CBO, I participated in the mentorship visits to motivated students on educational matters at St. Kizito, Sivile, Sisokhe and Namirama Secondary Schools in Navakholo Constituency, Kakamega County.
6. **2016 to 2021:** Delegate Universities' Academic Staff Union (UASU); where-in I chaired the Education and Training Sub-Committee of UASU KU Chapter and was member of Legal and Constitutional Affairs sub-committee.
7. **2005 to 2009** Chairman, Advisory Board of the Kenyatta University Christian Union.
8. **July 2005:** Participated in Awareness and Education Promotion Campaigns at Friends School Kamusinga, courtesy Kenyatta University AIDS Control UNIT HIV/AIDS.
9. **2003-2006:** Secretary to Chaplaincy Committee of the Kenyatta University Chapel.

11. ACADEMIC AND TRAINING LEADERSHIP

1. **February to March 2022:** I was the Lead Resource Expert in a Workshop on Transformative Leadership at KCA University, held in Naivasha, Nairobi.
2. **2017-2020:** Was a member of a team that developed the first ever Manual/Guide for training newly appointed University Leaders in Kenya, courtesy the German Academic Exchange Service in partnership with the Commission for University Education.
3. **24th – 27th April 2019:** As a team member in module development and member of KDSA, I participated in the first pilot workshop on the training of university leaders Courtesy DAAD and the Commission for University Education, held at Lake Naivasha Simba Lodge, Kenya.
4. **24th – 27th April 2019:** As a team member in module development and member of KDSA, I participated in the first pilot workshop on the training of university leaders (newly appointed Vice Chancellors) Courtesy DAAD-DIES NMT programme and the Commission for University Education, Lake Naivasha Simba Lodge, Kenya
5. **July 25th – 27th 2018:** Participated as a Trainer in the DAAD DIES-National Multiplication Training II of Deans and Directors on Quality Leadership and Management in Higher Education, Workshop, Masinde Muliro University of Science and Technology, Kakamega
6. **2017-2018:** Team member that developed first Module on training University top brass on transformative and quality leadership, courtesy CUE and DAAD. Module was shared for critic with former VCs and then chairpersons of University Councils at CUE.

7. **18th – 21st December 2017:** Participated in a workshop as a Trainer in the DAAD DIES-National Multiplication Training I of Deans and Directors on Quality Leadership and Management: A Driver for Change in Higher Education, Karatina University.
9. **2008-2012:** As chairman I steered the Department of Environmental Studies and Community Development into having the highest student enrolment in the school of Environmental Studies, a position it holds to date
10. **2006-2009:** As Principal Investigator of Research Grant under the Lake Victoria Research Initiative (VicRes) under the IUCEA -, we published 4 refereed articles and a Book.
11. **2008:** As faculty in the Department of Environmental Studies and Community Development, I introduced the courses *ECD 519: Ecosystem and Human Well-being; ECD 422: Industrial Ecology and Sustainable Lifestyles, and ECD 426: Environment and Corporate Social Responsibility - thus aligning the dept with UN Development agenda.*
12. **2006-2007.** I was the vision carrier and initiator of the first ever Book Project that sought to domesticate environmental issues through the series: “Environment and Sustainable Development”. Two volumes are in use today in Public Universities, courtesy Japanese Society for the Promotion of Science and Deans Grant School of Environmental Studies, Kenyatta University.

12. PROFESSIONAL MEMBERSHIP, ASSOCIATION & PARTNERSHIP

1. Secretary and founding member of the Academic Mentorship and Advancement (AcMA) a Community-Based Organisation.
2. Environment Institute of Kenya. Certificate No. 1,000,945
3. Horn of Africa Regional Environmental Network (HoA-REN)
4. Regional Eastern Africa Unistaff Alumni Network
5. Kenya DAAD Scholars Association DAAD No. A96/113/68
6. Mashav Alumnus

13. CONSULTANCY SERVICES

1. **February to March 2022:** Developed a Handbook for Deans, Directors and Chairs of Departments of Academic and Research Divisions, and Lead Resource Expert in a Workshop on Transformative Leadership at KCA University, held in Naivasha, Nairobi.
2. **December 2020-2021:** To Assess the Feasibility (Technical, Environmental and Social) of the Program to build Resilience for Food and Nutrition Security in the Horn of Africa. The IGAD Drought Disaster Resilience and Sustainability Initiative (IDDRSI)
3. **22nd March 2021:** Appointed by Kenyatta University to Develop short course training manual for Capacity Development and Consultancy Services: USC-AGD 004: Valuing Variability in the ASALs for Food and Water Security.
4. **13th – 30th August 2019:** Resource Person in Environmental Impact Assessment and Audit Course. Kenya School of Government, Nairobi.
5. **February-May 2019:** Rationalization of Academic Programmes in Machakos University, in the context of envisaged Quality Assurance for National Development.
6. **3rd -4th May 2018:** Curriculum Development: Training of Trainers at Zetech University
7. **July-August 2017:** Lead Expert for an Environmental Impact Assessment Study on Upgrading to All-Weather Reinforced Concrete Pavement Status of China Wu Yi Athi River PC Factory Access Road, Mavoko Sub-County, Machakos County, Kenya.

8. **1st March 2016:** Appointed as an External Subject Expert in the validation of the Master of Science in Land Resource Management Programme of the Department of Environmental Studies, Forestry and Agriculture of *Maasai Mara University, Narok*.
9. **September-October 2016:** Baseline Study for Energy and Environment Partnership (EEP) Programme of World Vision in Kiambogoko (Gilgil); and Wema (Nakuru) and Mogotio (Baringo) (Focus: Improved Cook stoves for enhanced Rural Livelihoods)
10. **May 2014:** Initial Environmental Audit of the Cooperative University College, Nairobi.
11. **May 2014:** Baseline Study for Energy and Environment Partnership Programme of World Vision in Wema and Mogotio ADPs (Improved Cook stoves for enhanced Rural Livelihoods)
12. **June 2012:** Initial EIA of Proposed Expansion of Mombasa Road into a Dual Carriage, Earth Care Consultant.
13. **May 2012:** Environmental and Social Impact Assessment Report for the Proposed Five Borehole Projects in Kaikor, Turkana North, Kenya, Earth Care Consultant.
14. **July 2011:** As chairman of Kenyatta University self-evaluation committee, we evaluated the University and submitted the report under the Europe-Africa Quality Connect Project.
15. **Waswa F and Kurauka J. 2010:** Environmental Impact Assessment Study Report: Proposed Segera Treetop Lodge, Laikipia, Kenya
16. **Waswa F. 2009:** Community Environmental Awareness with special focus on EMCA 1999 in Machakos, Kenya: Consultancy work for the Poverty Eradication Network.
17. **Waswa F and Zumpano S. 2008:** Segera River Tourist Camp, Laikipia: EIA Report.
18. **SOMIRENEC 2005.** Evaluation of the *Taka Ni Pato* Project Planning Phase of Social Ministry Research Network Centre (SOMIRENEC) in Collaboration with Ford Foundation, Nairobi Office. Consultancy Report.
19. **Waswa, F. 2002.** Analysis and Documentation of World Neighbours East Africa Experience from 1985-2002. Lessons on what works and why in the context of community development. Nairobi.

14 REFEREES

1. **Prof. Douglas Shitanda**
Vice Chancellor, South Eastern Kenya University; Email: shitandad@yahoo.co.uk
2. **Prof, Isaiah Wakindiki**
Vice Chancellor, KCA University; Email: iwakindiki@gmail.com
3. **Prof. Paul Okemo**
Kenyatta University; Email: paulokemo@gmail.com
4. **Mr. Aaron Tanui**
Advocate of the High Court; Email: tanui.aaron@gmail.com



Signed: Prof. Fuchaka Waswa

July 2026