

CURRICULUM VITAE

PROF. FUCHAKA WASWA

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

[Associate Professor of Agricultural Land and Water Management]

1. PERSONAL PROFILE

Personal Details

Name: Fuchaka Waswa
School: Agriculture & Enterprise Development
Department: Agricultural Science and Technology
Designation: Associate Professor
Email: waswa.fuchaka@ku.ac.ke; wfuchaka@gmail.com

Areas of Competence and Research Interest

1. Land Use Planning and Policy
2. Soil and Water Conservation/Management
3. Integrated Water Resources Management
4. Food Security Planning and Policy
5. Corporate and Intellectual Social Responsibility
6. Environmental Impact Assessment, Auditing and Management
7. Industrial Ecology and Sustainable Life Styles
8. Sustainable Community Development
9. Quality Assurance in Higher Education

Open Researcher and Contributor ID (ORCID): <https://orcid.org/0000-0002-0675-1441>

<https://scholar.google.com/citations?user=HVp6ZDIAAAAJ&hl=en>

2. ACADEMIC & PROFESSIONAL QUALIFICATIONS

Academic

| 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 |
| KACE | Kericho High School | 3 Principals & 2 Subsidiaries | 1987 |
| KCE | Chebuyusi Sec. School. | Division 1, 13 Points | 1985 |

Professional Qualifications

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| 1. Lead Expert-Environmental Impact Assessment & Auditing (No. 0643): KIA/KSG 2002 |
| 2. Application of the Millennium Ecosystem Assessments Framework: UNEP-SA 2005 |
| 3. Auditing and Rationalisation of University Academic Programmes and Course Units |
| 4. Quality Assurance in Higher Education with focus on: Competence-based Learning; Organisational Development and Change Management; Research and Knowledge Management; Teamwork Dynamics & Transformative Leadership in Higher Education |

Short Courses and Trainings in Higher Education

1. **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.
2. **July 25th – 27th 2018:** Participated in 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.
3. **8th June 2018:** Awareness Training on ISO 27001 – Information Security Management System (ISMS), Kenyatta University
4. **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.
5. **9th August 2016:** Awareness of ISO 9001:2015 Quality Management System. Kenyatta University.
6. **10th – 16th March 2014:** Peer Reviewing of Academic Programmes in Higher Education – Organised by IUCEA, CUE and DAAD, Silver Springs, Nairobi, Kenya
7. **13th -16th April 2010:** Smart START-UP – Promoting Sustainable Lifestyles through Entrepreneurship with focus on Consumption and Production in **Wuppertal, Germany**
8. **24th – 26th February 2009:** Management of University Departments, Schools and Directorates, Centre for Capacity Development in Higher Education, Kenyatta University Conference Centre, **Nairobi**
9. **8-12th December 2008:** DAAD - DIES Intensive course on “Proposal Writing for International Research Projects”, Part I’ **Entebbe Uganda**
10. **19th April – 2nd July 2008:** University Staff Development Programme (Unistaff), Institute of Socio-cultural Studies – ISOS, University of **Kassel, Witzenhausen, Germany.**
11. **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**
12. **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.**
13. **12th-16th September 2005:** International Course on Ecosystems and Human Well-being: Conducting and using Integrated Assessments (Millennium Ecosystem Assessment Framework). Rhodes University, **Grahamstown, South Africa.**

3. EMPLOYMENT HISTORY

1. **2002 to Date:** Started my university career as a Lecturer in the School of Environmental Studies at Kenyatta University. I am an associate professor in the School of Agriculture and Enterprise Development. *That I am still in this University almost 20 years down the line is testimony to my being reliable and dependable for the enhancement of system stability.*
2. **2001:** Consulted for World Neighbours - East Africa (INGO) in Natural Resources Management and Community Development in Dryland Ecosystems in Kenya. *The hands-on experience I gained continues to inform my teaching, research and mentoring roles.*
3. **1995-1996:** Agricultural Instructor at Limuru Girls Centre (Certificate Course for needy Girls). (The centre is currently the Starehe Girls High School).
4. **1993-1994:** Worked as a Research Associated 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*”.

4. ACADEMIC FELLOWSHIPS AND ACHIEVEMENTS

1. **2017-2020:** I am a member of a team that developed the first ever Manual/Guide for training newly appointed University Leaders in Kenya. Initiative of DAAD and Commission for University Education.
2. **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.
3. **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
4. **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.
5. **2008-2012:** As chairman of Department, I steered the Department of Environmental Studies and Community Development into having the highest student enrolment in the faculty to date
6. **2011:** Senior Scholar - Fulbright Fellowship at Louisiana State University, Baton Rouge, Courtesy of the State Department, USA.
7. **2008:** DAAD Fellowship in the University Staff Development Programme (Unistaff), Institute of Socio-cultural Studies – ISOS, University of Kassel, Witzenhausen, Germany.
8. **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 Deans Grant School of Environmental Studies, Kenyatta University.
9. **2005:** Mashav Fellowship (Israel's Agency for International Development Cooperation) to, Volcani Campus, Bet Dagan, Israel.
10. **1996-2000:** PhD Scholarship, University of Bonn, Academic Exchange Service (DAAD) University of Bonn, Germany
11. **1992-1994:** MSc Scholarship, Swedish Agency for Research Cooperation (SAREC) University of Nairobi.

5. PUBLICATIONS

5.1. Refereed Journal Articles

1. 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>
2. 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>.
3. 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
4. **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.
<https://doi.org/10.37017/Jae>. Kenya Society of Environmental, Biological and Agricultural Engineers (KeSEBAE).
5. **Waswa F**, Mwamburi M and Mworia 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.
6. **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>. DOI: <https://dx.doi.org/10.4314/jasem.v24i5.17>
 7. **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
 8. 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
 9. **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 (ISSN: 2411-5681)
 10. 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.
 11. 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
 12. 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
 13. 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.
 14. 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>
 15. 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.
 16. 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
 17. 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.**
 18. 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>.
 19. 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>.
20. 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
 21. 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>
 22. **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>
 23. **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, ISSN 2334-2312 (on-line). www.aripd.org/jaes
 24. Mutinda N R., Waudu 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>
 25. 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>
 26. **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/hjegy/archives.htm.
 27. **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>
 28. 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>
 29. **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>
 30. **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>
 31. 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.
 32. **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>.
 33. **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.
 34. **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>
35. **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.
 36. **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.

5.2. University Level Scholarly Books

1. 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**
2. **Waswa F**, Kilalo C and Mwasaru D (2020). (2nd Edition). Sustainable Community Development: Dilemma of Options in Kenya. Ecostat Consulting Limited. KurArts Designs and Digital Printers, Nairobi, Kenya. **ISBN: 978-9966-955-32-6**
3. “Sisa” **F Waswa**. (2020). Christians at Crossroads in Kenya. Entangled by Denomination, Ethnic and Political Correctness. KurArts Designs and Digital Printers, Nairobi, Kenya. **ISBN: 978-9966-955-35-7**
4. 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**.
5. **Waswa F.**, Kilalo C K and Mwasaru M. (2014). Sustainable Community Development: Dilemma of Options in Kenya. Palgrave Macmillan, USA. www.palgrave-usa.com (DOI:10.1057/9781137497413.0001); **ISBN: 978-1-137-49739-0**. <http://www.amazon.com/Fuchaka-Waswa/e/B00NZ982JO>
6. **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**.
7. **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).
8. 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. Welpel I and Owino P (eds), Peter Lang: Europaischer Verlag der Wissenschaften, Frankfurt am Main, 67-79. (**ISBN 3-631-54068-X**).
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 Environmental Studies and Human Science, Kenyatta University: (**ISBN: 9966-776-02-8**).

5.3. Book Chapters

1. **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*. Universitätsverlag Potsdam. <https://publishup.uni-potsdam.de/opus4-ubp/frontdoor/deliver/index/docId/47549/file/pbhf05.pdf>
2. 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?>
3. **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.
4. **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.
5. **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).
6. 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.
7. **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.
8. 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).
9. **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 (ANAFE), 320-329. (ISBN: 92-9059-1609).

5.4. Learning Modules in Higher Education

1. **Waswa F.** (2020). **KRM 311**: Agriculture and Environment, Digital School, KU.
2. **Waswa F.** (2020). **KRM 313 (KDM 306)**: Water Resources Management in Drylands. Digital School, KU.
3. **Waswa F.** (2020). **KRM 402**: Organic Farming and Conservation Agriculture. Digital School, KU.
4. **Waswa F.** (2020). **KRM 406/808**: Soil and Water Conservation. Digital School, KU.
5. **Waswa F.** (2020). **KCU 802**: Philosophy of Sustainability Science. Digital School, KU.
6. **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
7. **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.
 8. **Waswa F. 2017:** KRM 817: Land Use Planning and Policy, Digital School of Virtual and Open Learning, *Interactive Module*, Kenyatta University (Revised)

5.5. Reviewed Conference Papers & 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, Kenyatta University Biennial Research and Innovation Conference. 23rd 25th October 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, Kenyatta University Biennial Research and Innovation Conference. 23rd 25th October 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, Kenyatta University 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.
5. **Waswa F. (2017).** *From Standardization to Categorization of Vice-Chancellors in Kenya: A Change Management Quagmire in Higher Education*” Paper presented in the Kenya DAAD Scholars Association (KDSA) International Conference on Higher Education, 4th-6th October 2017, Meru University, Kenya (Paper still under review)
6. **Waswa F, Akunga D, Obonyo M, Itolondo W and Mahiri J. (2016).** *Interrogating the Harmonized Promotion Criteria Towards Quality Assurance in Kenya’s University System*. Paper presented in the 1st Biennial Conference on the Status of Higher Education in Kenya, 22nd - 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, 10-12th February 2016, Karatina University.

5.6. Research Based 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.** Soil Fertility Management for Peri-urban Agriculture in Ruiru Sub-County, Kiambu. Policy Brief 2: KU-VC Grant 2017.
3. **Waswa, F. 2019.** Rain water Harvesting for Domestic and Peri-Urban Agriculture in Ruiru Sub-County, Kiambu. Policy Brief 3: KU-VC Grant 2017

5.7. Short Communications in National Discourses

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

6. SCHOLARLY PARTICIPATION IN CONFERENCES, WORKSHOPS, SEMINARS

International

1. **15th – 16th December 2020.** Valuing Variability Virtual Workshop, Courtesy of the Director Capacity Development and Consultancy, Kenyatta University.
2. **9th – 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.
3. **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.
4. **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
5. **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.
6. **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
7. **30-31st July 2015:** Second Africa Ecosystem Based Adaptation for Food Security Conference. United Nations Complex, Nairobi.
8. **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.
9. **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.
10. **16th - 20th November 2011:** Attended the 54th Annual Meeting of the African Studies Association Marriott Wardman Park Hotel **Washington, DC, USA**.
11. **2nd-6th November 2011:** 2011 Fulbright Visiting Scholar Regional Enrichment Seminar, Human Rights and the Global Democracy Movement, GCIV, **Atlanta Georgia, USA**
12. **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**.
13. **18th – 19th April 2011.** Represented Kenyatta University in the Europe-Africa Quality Connect Training Workshop for Higher Education Institutions in **Accra, Ghana**.
14. **4th – 6th June 2008:** Participated in 5th Conference of the Network for Graduate Surveys. International systems and Experiences, **Uni-Kassel, Germany**.
15. **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**.
16. **18th-20th September 2007.** *Land Use Options: Planning, Environment and Reality*. Paper presented in the VicRes Land Use Cluster Conference, Club House, **Kigali, Rwanda**

Regional

1. **28-29th March 2019:** Invited expert in “Agroforestry Curriculum Development Workshop” held at Kenyatta University, Courtesy African Network for Agriculture, Agroforestry & Natural Resources Education (ANAFE).
2. **23rd-27th October 2018:** Member Local Organising Committee of the Regional Universities Forum for Capacity Building in Agriculture Biennial Conference, KICC, Nairobi.
3. **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 organised by World Food Programme, UN Women at Safari Park Hotel, Nairobi.
4. **24th – 26th November 2014:** Participated as a member in the 7th Horn of Africa – Regional Environmental Network meeting in Addis Ababa University, Ethiopia.
5. **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.
6. **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.
7. **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.
8. **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 held at ECA conference Centre, **Addis Ababa, Ethiopia.**
9. **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.**
10. **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.**
11. **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.**
12. **8th – 12th June 2009:** DIES-DAAD Proposal Writing for International Research Projects Workshop, Part II: **Naivasha, Kenya**
13. **12th – 16th January 2009:** DAAD - University Staff Development Programme. Training of Trainers Workshop, Ridar Hotel **Kampala Uganda**
14. **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**
15. **14th – 16th February 2007.** Participated as a Resource Person in an Inception Training Workshop on Integrated Ecosystem Assessment held at **Morogoro, Tanzania.**

Local

1. **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.
2. **July 25th – 27th 2018:** Participated in 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.
3. **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.
4. **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, Meru University, Kenya.
 5. **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*”, Kenyatta University, Kenya.
 6. **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), Nakuru.
 7. **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*.
 8. **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*.
 9. **27th May 2016**: Guest Expert in Workshop to review the PhD programme in Development Studies of St. Pauls University, held at CHAK Conference Centre, Nairobi.
 10. **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
 11. **7th – 10th September 2015**: Invited to participate as a facilitator in the Kenya Agricultural Productivity Agribusiness Project stakeholders’ workshop in Nkubu, Meru County.
 12. **22nd October 2014**: Presented a paper entitled: *Environmental Ramifications of the “Kenyan” Culture: A Scenarios Analysis*, in Annual Kenyatta University Culture Week.
 13. **30th – 31st May 2013**: Participated in the DAAD organized Conference on African Cities of the Future: Smart, Sustainable, Participatory, at Safari Park Hotel, Nairobi.
 14. **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.
 15. **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**.
 16. **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 Kenya**.
 17. **9th – 12th March 2009**: AGRA/Kenyatta University Workshop on the Development of an MSc and PhD Curricula in Integrated Soil Fertility Management, Merica Hotel **Nakuru, Kenya**.
 18. **6th – 10th November 2006**: Participated in the UNISTAFF Network Conference on Quality Assurance in Higher Education at Kenyatta University, **Nairobi**.
 19. **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**.
 20. **12th March 2005**: Participated in Seminar organised by Kenyatta University on “HIV/AIDS as a workplace issue, held at Utalii Hotel, **Nairobi**.”

7. CONSULTANCY ENGAGEMENTS AND PROJECT REPORTS

1. **December 2020:** The IGAD Drought Disaster Resilience and Sustainability Initiative (IDDRSI) – a consultancy to formulate and evaluate (technical, environmental and social) the program to build resilience for food and nutrition security in the Horn of Africa (HOA) [On-going]
2. **February-May 2019:** Rationalization of Academic Programmes in Machakos University, in the context of envisaged Quality Assurance for National Development.
3. **3rd -4th May 2018:** Curriculum Development: Training of Trainers at Zetech University
4. **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.
5. **October 2016:** Baseline Study for Energy and Environment Partnership (EEP) Programme of World Vision in Kiambogoko ADP (Gilgil).
6. **September 2016:** Evaluation Study for Energy and Environment Partnership (EEP) Programme of World Vision in Wema (Nakuru) and Mogotio (Baringo) ADPs (Focus: Improved Cook stoves for enhanced Rural Livelihoods)
7. **May 2014:** Initial Environmental Audit of the Cooperative University College, Karen, Nairobi.
8. **May 2014:** Baseline Study for Energy and Environment Partnership (EEP) Programme of World Vision in Wema and Mogotio ADPs (Focus: Improved Cook stoves for enhanced Rural Livelihoods)
9. **June 2012:** Initial EIA of Proposed Expansion of Mombasa Road into a Dual Carriage, Earth Care Consultant.
10. **May 2012:** Environmental and Social Impact Assessment Report for the Proposed Five Borehole Projects in Kaikor, Turkana North, Kenya, Earth Care Consultant.
11. **Waswa F and Kurauka J. 2010:** Environmental Impact Assessment Study Report: Proposed Segera Treetop Lodge, Laikipia, Kenya
12. **Waswa F. 2009:** Community Environmental Awareness with special focus on EMCA 1999 in Machakos, Kenya: Consultancy work for the Poverty Eradication Network.
13. **Waswa F and Zumpano S. 2008:** Segera River Tourist Camp, Laikipia: EIA Study Report.
14. **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.
15. **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.

8. QUALITY TEACHING, LEARNING AND MENTORSHIP

8.1. Student – Lecturer Evaluation Results (Ref Relevant Directorate at KU)

8.2. Successful Supervision of PhD Students

1. **Sarah Mueni Muthenya (N85/14558/09) 2017:** Effects of Community Livelihood Practices on the Conservation of *Melia Volkensis Gurke* in Makueni County, Kenya
2. **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.
3. **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**)
4. **Gilbert Muthee Mwoga (N85/13608/2009). 2014:** Topo-sequence Analysis of Climatic Variability and Land Use Changes among Smallholder Farmers in Meru County, Kenya.

5. **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. Successful Supervision of Masters Students

1. 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**).
2. 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.
3. Phebe Nalwa (N50/CE/23099/2010): **(2019)**. Assessment of Rainwater Harvesting and Management in Peri-Urban Kahawa Sukari Area, Kenya. SES.
4. 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
5. 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.
6. Millicent Mworira (N50/CE/23124/2010): **(2016)**: Assessing Effects of Declining Wood Fuel on Cooking and Feeding Patterns in Tigania West, Meru County, Kenya.
7. Margaret Okumu (N50/CE/14195/2009). **(2016)**: The Missing Link in the Management of Floods in Bunyala, Busia County, Kenya.
8. Beryl A Oyugi (N50/25773/2011). **(2016)**: Effects of Sugarcane farming on Community Livelihoods in Transmara, Narok County, Kenya.
9. Ruth W Wachera (N50/12345/2009). **(2014)**: Assessing the Challenges of Adopting Biogas Technology for Provision of Energy Services among Smallholder Dairy Farmers in Mukurweini, Nyeri, Kenya.
10. 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.
11. Ruth Mwangeli Munyao (N50/10253/2006). **(2014)**: Assessment of Small-Scale Water Harvesting and Saving Technologies in Kathiani, Kenya.
12. Andrew Makonde Makoti (N50/10401/2008). **(2014)**: Effective Drought and Food Insecurity Coping Strategies in Kwale County, Kenya.
13. 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.
14. Joseph Wangamati (N50/12577/2005) **(2013)**: Effects of Commercial Sugarcane Farming on Community Livelihoods and Ecosystem Services in Nzoia Sugarbelt, Bungoma County, Kenya.
15. 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.
16. Gituma C K. (N50/15243/2008) **(2012)**: Potential of Pulp and Husk from Coffee Processing for Agricultural and Energy Services in Kiambu Country, Kenya.
17. Mugambi A, G (N50/CE/11471/2007) **(2012)**: The Role of Environmental Conservation on the Survival of Indigenous Medicinal Knowledge in Meru County, Kenya.
18. 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.
19. Abdi Z Dubow (N50/12955/2005) **(2011)**: Mapping and Managing the Spread of *Prosopis Juliflora* in Garissa County, Kenya.
20. Mary Maingi (N50/10688/2007) **(2011)**: Status of Urban Agriculture and its implications for Policy Changes in Urban Land Use in Nairobi, Kenya.
21. Abraham. M Wekesa (N50/12945/2005) **(2011)**: Potential of Life Cycle Management for

- Sustainable Production of Sugar at Mumias Sugar Company, Kenya.
22. 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.
 23. Julia Karimi (N50/CE/11928/2007) (2010): Status of Multi-storey Gardens and Opportunities for Vegetable Production in Pumwani, Nairobi.
 24. Regina N Maingi (N50/10242/2006) (2010): The Potential Role of *Jathropha Curcas*. L for Environmental Management and Sustainable Livelihoods in Kibwezi, Kenya.
 25. Ray. M Ndivo (H60/11257/2004) (2009): Status of Kenya's Domestic Tourism Destinations and Factors influencing their Choice among Nairobi Residents.
 26. Abidan Kaari (N50/13685/2005) (2008): Opportunities and Challenges of Ecologising Extension Service at the Farm Level, Mitheru Agro-Ecosystem, Meru South District, Kenya.
 27. Gathima, Veronica. N. (N50/12584/2005) (2008): Opportunities and Challenges of Community-Based Forest Resource Conservation in Naro Moru Ecosystem, Kenya.
 28. Kuria, Ann. W. (N50/12583/2005) (2008): Assessment of the Effects of Habitat Transformation on the Nairobi National Park and Kitengela Ecosystem.
 29. 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.
 30. Mwikali, L Elijah. (N5012579/2005) (2008): Challenges and Opportunities of Infrastructure and Service Delivery in Kianda-Kibera Slums, Nairobi.
 31. Gaugiria, Rose. (N50/12585/2005) (2008): Assessing the Effectiveness of the Lower Imenti Forest Reserve Electric Fence in Mitigating Human-Wildlife Conflict.
 32. Kithumbu, J. (2007): Assessment of Collaboration Dynamics among Civil Society Organisations at Siakago Division, Mbeere District Kenya.
 33. Njau, J. M. (2006). Assessment of Business Opportunities in Domestic Solid Waste Management in Eldoret Municipality, School of Business, KU.
 34. Wairuri, S. C. (2006): The Role of Environmental Action Learning in Developing Farmers of the Future: A Case Study of Mathira Division, Nyeri.
 35. Kaiganaine, E. G. (2005). Assessment of Private Solid Waste Management as an Entrepreneurial Venture in Nairobi. School of Business, KU.
 36. Nyangongo, S. M. (2005). The Role of Corporate Social Responsibility in the Profitability of Selected Companies in Nairobi. School of Business, KU.

8.4. On-going Supervision of PhD Students

1. **Peter Abwao (N85/7604/98).** *Effects of Land Use Practices on Water Quality and Implications for Sustainable Management of the River Yala System, Kenya (KU-School of Environmental Studies)*
2. **Gutema Dekebo Kussa (N85/15300/05):** *Effects of Refugee Dynamics on Ecosystem and Human Well-Being in Kakuma, Kenya (KU-SES)* Student relocated to UK under UNHCR)
3. **Stacey N Waudu (N85/38701/2017):** *Enhancing Accessibility and Value-addition to Biomass-Based Energy within Farming Households in Kakamega County, Kenya (KU-School of Environmental Studies)*
4. **Robert Orina Siteki (A82/99687/2015):** *Determinants of Compliance with Effluent Discharge Standards in the Leather Industry within the Upper Athi Basin, Kenya. (Wangari Maathai Institute for Peace and Environmental Studies, University of Nairobi)*

8.5. On-going Supervision of Masters Students

1. **Michael A Ochieng. (A147/26159/2013).** Improving Accessibility to Rainwater through Pump Abstraction System in Dryland Ecosystem of Kitui County, Kenya. SAED (**KU-School of Agriculture & ED**)
2. **Stephen Reche Murithi (A147/OL/27136/2013).** Evaluation of Early Warning System Information Towards Household Land Management and Food Security in Makueni County, Kenya **KU-School of Agriculture & ED**)
3. **Mutai, Kipkirui (A147/OL/KER/26014/2015):** Investigating the contribution of soil management practices and tillage systems to soil water conservation and production yield of maize **KU-School of Agriculture & ED**)
4. **Rose Chemutai (A148/OI/CTY/38595/2016):** Assessing Drivers and Effects Of Changing Land Use On Human Well-Being In Ruiru Sub-County, Kiambu County, Kenya. **KU-School of Agriculture & ED).**
5. **Jillo Naghea (N50/CTY/PT/38210/2016):** Assessing the link between climate variation information awareness and farmers' adaptation on climate change in Kiambu County, (**KU-School of Environmental Studies**).
6. **Victor W Lusweti (A147/OI/CTY/32400/2016).** Evaluation of Rainwater Harvesting Technology Adoption among Small Scale Farmers in the Upper Mara Basin, Kenya **KU-School of Agriculture & ED**)
7. **Linge Kitulu (N50/CTY/PT/38845/2017)** Assessment of Heavy Metals and Bacteriological Contamination of Mitheu and Mwanja Streams and Vegetables Irrigated thereof in Machakos Municipality, Kenya (**KU- School of Env Studies**)

9. PROFESSIONAL / CONSULTING EXPERIENCE

9.1. Networks/Collaborations

1. **2020-2021.** Collaborating with colleagues from JKUAT, Egerton and Taita Taveta University in the KCSAP CGS/CRGs - AD 2019/CSC/01.
2. **2018-2019:** Collaborating with colleagues from Machakos University under the Vice Chancellors Research Fund on Management and Use of Sewage water in Machakos Town and its Implications to Human Health.
3. **13th-30th August 2019:** With Kenya School of Government as a Trainer in the Environmental Impact Assessment and Auditing
4. **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 (ANAFE).
5. **28th February 2019:** Invited as an expert in Higher Education to validate CODESRIA Research findings on theme “Universities and the Public Good: Perspectives from Four African Countries. Programme for the research findings workshop in Kenya”. Utalii Hotel Nairobi.
6. **July 25th – 27th 2018:** Participated in 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. **2017-2018:** With Karatina University, Maseno University, Masinde Muliro University, DAAD/CUE. Developed a Guide for training University managers transformative and quality leadership.
8. **2017-2018:** Team member on a DAAD funded Dialogue for Innovative Higher Education Strategies DIES on National Multiplication Training (NMT) programme for Deans and Directors in Universities.
9. **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, Workshop held at Karatina University.
10. **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.
 11. **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
 12. **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
 13. **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 organised by World Food Programme, UN Women at Safari Park Hotel, Nairobi.
 14. **23rd – 26th August 2016:** With the National Environment Management Authority (NEMA) as co-chairman of Organising Committee of the 6th African Regional Centres of Expertise (RCE) conference, held at Kenyatta University. Through my networks with Kenya Forest Service (KFS), I procured tree seedlings that now cover the green corner to the west of graduate school at Kenyatta University.
 15. **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 Off Waiyaki Way, Nairobi.

9.2. Grant Reviewer/Editorial Boards/Referee for Professional Periodicals

1. **2017 to 2020:** Peer Reviewer of the Grant applications - FLAIR Fellowships. The Royal Society of the United Kingdom (Ref: grants@royalsociety.org)
2. I have routinely reviewed articles for several journals such as:
 - a. Academic Journals Series
 - b. African Journal of Environmental Sciences and Technology
 - c. Asian Journal of Agricultural Extension, Economics & Sociology
 - d. International Review of Education
 - e. Land Degradation and Policy
 - f. SpringerPlus
 - g. Sustainability Science (UNU)

9.3. Consulting for the University and also External Organisations/Institutions

1. **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
2. **February-May 2019:** Rationalization of Academic Programmes in Machakos University, in the context of envisaged Quality Assurance for National Development.
3. **3rd -4th May 2018:** Curriculum Development: Training of Trainers at Zetech 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*.

10. MEMBERSHIP TO ACADEMIC/PROFESSIONAL BODIES

1. Kenya Society for Agricultural Professionals (KESAP)
2. Environment Institute of Kenya. Certificate No. 1,000,945
3. Fulbright Fellowship Alumnus

4. Horn of Africa Regional Environmental Network (HoA-REN)
5. Regional Eastern Africa Unistaff Alumni Network Member
6. Kenya DAAD Scholars Association **DAAD No. A96/113/68**

11. EXTERNAL EXAMINER

1. **August 2020.** External Examiner Koitaleel Samoei University College, University of Nairobi.
2. **April 2020.** External Examiner of PhD Thesis. Pwani University, Graduate School. (PU/ST/FAH/3087/300)
3. **November 2018:** External Reviewer of a grand proposal from Machakos University
4. **April 2016.** External Examiner of PhD Thesis. Pwani University, Graduate School. (PU/ST/CJM/2061/136)
5. **August 2016.** External Examiner of Master's Thesis. Pwani University, Graduate School. (PU/ST/AWK/2022/129)
6. 2013-2015. Was External Examiner, University of Nairobi. Wangari Mathai Institute for Peace and Environmental Studies.
7. **2009:** Maseno University, Department of Environmental Science
8. **2008:** Was supervisor and external examiner for St. Pauls University

12. ADMINISTRATIVE RESPONSIBILITIES

12.1. Recognised University Administrative Positions

1. **May-October 2018:** Was Secretary to the Kenyatta University – 6th RUFORUM Biennial Conference.
2. **July 2018.** Was member of the Universities Bio-security and Bio-preparedness Committee. We delivered a Bio-security and Bio-preparedness Policy.
3. **2012 to 2017:** Served as Chairman of the 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.*
4. **2005 to 2017:** Served as member of the Master of Ceremonies team for high profile university functions / ceremonies. *The skills acquired include protocol issues, public relations, management of crowds and team dynamics. Our team has made the KU graduations perhaps the most colourful in the nation.*
5. **March 2014:** Was a 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.*
5. **September 2013 to March 2015:** As Head of Teaching Programs and Publication Section of Kenyatta University, my responsibilities were:
 - a) *Committee member of all events of academic nature e.g. matriculation ceremony*
 - b) *In-charge of over 100 permanent and casual staff that work in the Section*
 - c) *In-charge of Educational Infrastructure (i.e. Public Address Systems, adequacy of Chairs, Podiums and Whiteboards/Smart Boards and LCDs in Lecture Halls)*
 - d) *Preparation of Semester Dates and University Almanac*
 - e) *Processing of Credit Waivers for Students*
 - f) *Production of the 2014-2017 University Calendar and Student Catalogue*
 - g) *Secretariat to Graduation Planning Committee*
6. **2014:** Chaired a committee that developed the Draft Policy on Examination Procedures and Guidelines for Kenyatta University.

7. **2014:** Chaired a Committee that developed the Draft Policy on Post-Doctorate Studies for Kenyatta University
8. **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.*
9. **2013-2014:** Member of University Team that was responsible for Operationalization of KU off-shore Campuses, in particular Arusha and Rwanda Campuses. *I am familiar with challenges of trying to establish Campuses in the diaspora.*
10. **2013:** Member of committee appointed to prepare the Kenyatta University Charter.
11. **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 benchmarked 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.*
12. **2007-2015:** Senior Lecturer in the Schools of Environmental Studies and also School of Agriculture and Enterprise Development.
13. **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.*
14. **2009:** As a member of University Investigative Committee on Student disturbances, *I gained a lot of insight on how to prevent and manage student unrest and its effects.*
15. **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.*

12.2. Other Responsibilities in the University

1. **2019-to date** Coordinator of the Distinguished Expert Seminar Series (DESS) in the School of Agriculture and Enterprise Development
2. **2019-to date:** Member of the KU Conferences Vetting Committee
3. **May-October 2018:** Was Secretary to the Kenyatta University – 6th RUFORUM Biennial Conference.
4. **July 2018.** Was member of the Universities Bio-security and Bio-preparedness Committee. We delivered a Bio-security and Bio-preparedness Policy.
5. **2005 to 2017:** Served as Head of Graduation Procession team. *Our team has made the KU graduations perhaps the most colourful in the nation.*
6. **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.
7. **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.

13. COMMUNITY ENGAGEMENT AND OTHER CONTRIBUTIONS

13.1. Grants and Research Funding

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 is to handle environmental aspects.
2. **2018-2019:** Machakos University Vice Chancellors Research Fund. KES 700,000.00 Management and Use of Sewage water in Machakos Town and its Implications to Human Health. I am the external co-investigator and supervisor of one student from ENS KU we attached on this project
3. **2017-2018:** DIES-National Multiplication Training I & II 2017-2018. Team member as DAAD Alumni
4. **2016-2017:** Kenyatta University Vice Chancellor's Grant (**KES 800,000**). Three MSc students researching within the framework of Agricultural Land Use and Water Security and their Implications on Food Production in Ruiru Sub-County Kiambu, Kenya.
5. **2010 and 2013:** Facilitated granting of two 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 of a VicRes funded Research **Theme:** *Effects of Sugarcane Production on Environmental Quality and Community Livelihoods in the Lake Victoria Basin Using Integrated Ecosystem and Corporate Social Responsibility Approaches.* (5 papers including a book were published there-from)

13.2. Community Outreach

1. **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.
2. December 2019: Responded to the call by the BBI committee to submit citizens' opinions on constitutional amendments to come. (My submission among uploaded items)
3. **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.
4. **2016 to Date:** Serving the Universities' Academic Community as a National Delegate of their University Academic Staff Union (UASU)
5. **2016-to date:** As Chairman of the Education and Training Sub-Committee of UASU KU Chapter, we organised first education day where members were enlightened on their requisite professional responsibilities and ethics. Key note speech was given by the Vice Chancellor.
6. **2016-to date.** Member of the USAU KU chapter, 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 Secondary Schools in Bungoma, courtesy Kenyatta University AIDS Control UNIT HIV/AIDS
9. **2003-2006:** Secretary to Chaplaincy Committee of the Kenyatta University Chapel.

13.3. Professional Affiliation & Portfolios:

1. **2018 - 2020:** Member of the Selection Panel of the “Future Leaders – African Independent Research (FLAIR) fellowships, courtesy of the African Academy of Sciences and The Royal Society (UK)
2. **2017- to date:** Secretary and one of the founding members of the Academic Mentorship and Advancement – Community-Based Organisation (AcMA)

13.4. Other Sub-Categories

1. **4th April 2018:** Participated as a 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.
2. **29th June 2016:** Invited as a resource person for the *Utalii College*, 2016 Management Development Programme on the theme: Environmental Management in Hotels: Contemporary Housekeeping Practices in Hospitality Industry
3. **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*”.
4. **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*”
5. **11-15th August 2014:** Mentor at a Writeshop of Young Scientists on how to prepare Journal Publications, organised by the Stockholm Environment Institute at ICRAF, Nairobi.
6. **2013 and 2014:** Invited as a resource person in Scientific Proposal Writing *at Multimedia University*

Signed: Prof. Dr. agrar. Fuchaka Waswa _____ **Date:** May 2021