

# Humphrey Agevi

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## UNIVERSITY LECTURER

### A. PERSONAL INFORMATION

Date of birth: 23<sup>rd</sup> February, 1985  
Nationality: Kenyan  
Gender: Male  
Languages: English, Swahili  
Marital status: Married

### B. PROFESSIONAL PROFILE

- Accomplished Lecturer with experience in lecturing students and conducting research at leading educational institutions in Kenya.
- Key contributor to the development of several national and international peer-reviewed journals, books, conference papers, proceedings and presentations.
- Computer-literate performer with extensive MS Office, GIS and Remote Sensing proficiency.
- Excellent written, verbal and interpersonal communicator, proficient in English and Kiswahili.

### C. EDUCATIONAL BACKGROUND

1. **2014 to 2020: PhD in Environmental Biology**, Moi University;  
**Thesis Subject:** Determination of Species Abundance, Diversity and Carbon Stocks in Kakamega Forest Ecosystem;
2. **2009 to 2012: Master of Science in Environmental Biology**, Masinde Muliro University of Science and Technology (MMUST);  
**Thesis Subject:** Effects of Canopy Tree Remnant in Seedling Germination and Establishment in Degraded areas of Kakamega Forest;
3. **2004 to 2008: Bachelor of Science in Education: Biology/Chemistry**, First Class Honors; Masinde Muliro University of Science and Technology (MMUST);
4. **1999-2002: Kenya Certificate of Secondary School Education (KCSE)**; St. John the Baptist, Likuyani Secondary School  
Scored an Aggregate of B+
5. **1991-1998: Kenya Certificate of Primary School Education (KCPE)**; Ivugwi Primary School  
Scored an Aggregate of 445 marks; C+

### D. TRAINING AND PROFESSIONAL DEVELOPMENT

1. **17<sup>th</sup> to 19<sup>th</sup> July, 2023:** Resource Mobilization and Grant Proposal Writing; Organised by the Norwegian Research Training Institute. Certificate Serial No:05075;
2. **29<sup>th</sup> to 31<sup>st</sup> March, 2023:** Boards of Management (BoM) Capacity Building Organised by the Kenya Educational Management Institute (KEMI);

3. **24<sup>th</sup> -25<sup>th</sup> October, 2022:** Science Communication: Communicating to non-Scientists, Non-Peers and Policy Makers, Organised by Training Centre in Communication (TCC)-University of Nairobi (UoN);
4. **22<sup>nd</sup> October, 2022:** Building Climate Resilience through Ecosystem-Based Adaptation Planning; Organised by United Nations Institute for Training and Research (UNITAR);
5. **19<sup>th</sup> January, 2022:** Virtual Training on Water Funds: Introduction and Feasibility Phase;
6. **6<sup>th</sup> to 8<sup>th</sup> December, 2021:** Scientific Communication and Publishing: Paper writing Process, Research Proposal Writing and Data Management Analysis by Training Centre in Communication (TCC);
7. **October to December, 2021:** SARIMA Online Training on Programme Evaluation; Organised by SARIMA and University of Wits (SA);
8. **October to December, 2021:** SARIMA Online Training on Gender in Science, Technology and Innovation; Organised by SARIMA and University of Wits (SA);
9. **22<sup>nd</sup> to 27<sup>th</sup> November, 2021:** Virtual Sentinel Skills Training on Biodiversity Surveys and Data Analysis using R; Organised by Social and Environmental Trade offs in African Agriculture and RUFORUM;
10. **3<sup>rd</sup> to 5<sup>th</sup> November, 2021:** Virtual Training on Climate Change Research in East Africa: whose theme was "Climate change research: theory and practice of getting the numbers right on greenhouse gas emissions from livestock in sub-Saharan Africa – case of East Africa"; Organised by Mazingira Centre, International Livestock Research Institute (ILRI);
11. **5<sup>th</sup> to 7<sup>th</sup> July, 2021:** BRECCIA online Training on Grants Management; Organised by SARIMA and University of Wits (SA)-
12. **4<sup>th</sup> May, 2021:** BRECCIA Managing the Life cycle of an International Research Project;
13. **15<sup>th</sup> January to 24<sup>th</sup> May, 2021:** Online Training on SARIMA Research Ethics and Integrity;
14. **30<sup>th</sup> to 31<sup>st</sup> March 2021:** SARIMA On-Line Training Workshop on Basic Principles of Research Management. SARIMA and University of Southampton,
15. **7<sup>th</sup> to 28<sup>th</sup> February, 2021:** Pedal Online Course on: Technology for Transformative Pedagogy organized by Partnership for African Social and Governance Research (PASGR);
16. **15<sup>th</sup> November, 2020:** E- learning Course on ISO 9001:2015 – Quality Management Systems (QMS) Foundations offered through the Knights of Safety Academy, Certificate ID: vovvinnu;
17. **12<sup>th</sup> November, 2020:** E- learning course on Developing GCF Funding Proposals for the Simplified Approval Process (SAP) hosted by the Green Climate Fund (GCF), Credential ID: 2917907;
18. **October, 2020:** E- learning Course on ISO 45001:2018 - Principles of Occupational Health and Safety Management Systems (OHSMS) offered through Alison, Credential ID: 1412: 17629732;
19. **October, 2020:** E-learning Course on "ISO 14001:2015- Environmental Management Systems (EMS)" offered through Alison, Credential ID: 1428: 17629732;
20. **October, 2020:** SADC Futures E-learning Course on Developing Foresight Capacity for Climate Resilient Agricultural Development;
21. **September, 2020:** E-learning Course on "How to Create Great Online Content" Authorized by University of Leeds and Institute of Coding through Future Learn;
22. **September, 2020:** E-learning Course on "Initiating and Planning Projects" Authorized by the University of California and offered through Coursera;
23. **September, 2020:** E-learning Course on "Managing Project Risks and Changes" Authorized by the University of California and offered through Coursera;

24. **September, 2020:** E-learning Course on "Budgeting and Scheduling Projects" Authorized by the University of California and offered through Coursera;
25. **August, 2020:** E-learning Course on "The Environmental Impact of Teaching and Learning" from the Open Learn University;
26. **August, 2020:** E-learning Course on "Project governance and Project Management office (PMO)" from the Open Learn University;
27. **August, 2020:** E-learning Course on "Environmental Management and Organizations" from the Open Learn University;
28. **August, 2020:** E-learning Course on "Managing Virtual Project Teams" from the Open Learn University;
29. **10<sup>th</sup> August, 2020:** Institute of Open, Distance and e-learning (IODeL) training on "Orientation to e-Learning and Administration of online examinations," Masinde Muliro University of Science and Technology (MMUST);
30. **July, 2020:** E-learning Course on "Protected Area Law" organized by NBSAP FORUM, The Nature Conservancy and UNDP;
31. **July, 2020:** E-learning Course on "Data Analytics for Decision Making: An Introduction to Using Excel." Bond University;
32. **July 2020:** E-learning Course on "Big Data Analytics: Opportunities, Challenges and the Future." Griffith University, Queensland Australia;
33. **15<sup>th</sup> June-13<sup>th</sup> July, 2020:** Virtual Onsite training Workshop on "Research and Grants Management" organized by BRECCIA Project and Southern African Research and Innovation Management Association (SARIMA);
34. **July, 2020:** E-learning Course on "Using Spatial Data for Biodiversity" organized by Global Programme on Nature for Development, UNDP, Humboldt Columbia;
35. **May, 2020:** E-learning Course on "Communicating the Value of Biodiversity" organized by Global Programme on Nature for Development, UNDP and NBSAP FORUM;
36. **May, 2020:** E-learning Course on "Understanding Resilience Thinking" organized by Global Programme on Nature for Development, UNDP, NBSAP FORUM and The Nature Conservancy;
37. **26<sup>th</sup> to 29<sup>th</sup> February, 2020:** Training on "Integrating World Overview on Conservation Technologies (WOCAT) in Sustainable Land and Forest Management (SLFM) Approaches" by UNEP and KALRO;
38. **9<sup>th</sup> to 23<sup>rd</sup> November, 2019:** Training on GIS and Remote Sensing using QGIS, Masinde Muliro University of Science and Technology (MMUST);
39. **17<sup>th</sup> to 20<sup>th</sup> October, 2018:** Module writing Workshop and MOODLE training. Workshop organized by the Directorate of Open, Distance and e-Learning (ODEL), Masinde Muliro University of Science and Technology (MMUST);
40. **20<sup>th</sup> to 23<sup>rd</sup> February, 2018:** Carbon Benefits Project: Modelling, Measurement and Monitoring Training Workshop Organized by GEF, UNEP and Colorado State University;
41. **March 2016:** Capacity Development on Measurement of Greenhouse Gases (GHG) Workshop; Using Nuclear Techniques for Validation of Integrated Soil Fertility and Water Management Technologies for Increased Agricultural Productivity, Climate Change, and Adaptation in Arid and Semi-Arid Areas. Organized by the Low Emissions and Climate Resilient Project (LECRP), Kenya Agricultural and Livestock Research Organization (KALRO)/International Atomic Energy Agency (IAEA);

42. **January 2015:** Training on “Enhancing Capacity in Kenya to Quantify Greenhouse Gas (GHG) Emissions Reductions from Climate-Smart Agriculture”, World Agroforestry Centre (ICRAF)/United States Development Authority (USDA);
43. **2015:** Training Course on “First Aid” for Brigade Members of St. John; Masinde Muliro University of Science and Technology (MMUST);
44. **2014:** E-learning Course on “Policy Instruments for Low Emissions Development: From Design to Implementation”;
45. **December 2014:** Basics in GIS Applications, Masinde Muliro University of Science and Technology (MMUST);
46. **November 2014:** Tree Nursery Establishment and Management Training, KEFRI Kakamega Sub-Centre;
47. **January 2014:** University Multiplication training workshop on *Curriculum Development, and Review for Public Universities in Kenya: Implementation and Accreditation* held at Masinde Muliro University of Science and Technology (MMUST), Kenya;
48. **November 2013:** Feed Assessment Tool (FEAST) Questionnaire for Facilitators (Version 5.3) Training: A Systematic Method for Assessing Local Feed Resource Availability and Use, with a view to Designing Intervention Strategies aimed at Optimizing Feed Utilization;
49. **February 2013:** Training on “Koha Library Management System”, Masinde Muliro University of Science and Technology (MMUST);
50. **May 2012:** Proposal Writing and Advocacy Skills Training Course, Centre for Kakamega Tropical Forest Studies;
51. **December, 2010:** Training on “Effective Scientific Communication and Publishing” organized by Training Centre in Communication (TCC), University of Nairobi (UoN);
52. **August, 2010:** “Capacity Building in ICT and Pedagogy: Leadership through Staff Development” organized by Masinde Muliro University of Science and Technology (MMUST);
53. **November 2009:** Training on “Use of Geographic Technologies for Climate Change, Food Security, and Agriculture”. Professional Development of Fellows and Mentors, Association of American Geographers (AAG)/My Community Our Earth (MyCOE)/SERVIR;

#### **E. PROFESSIONAL AFFILIATIONS**

1. African Forest Forum (AFF);
2. British Ecological Society (BES), Membership No: CON:1029497
3. Biophysical Society of Kenya (BPS);
4. Ecological Society of Eastern Africa (ECSEA);
5. International Network for Bioresources Management (INBM);
6. Society for Conservation GIS (SCGIS);
7. International Association of Landscape Ecologists (IALE);
8. East African Natural History Society (EANHS)-Nature Kenya;
9. Christian and Scientific Association of Kenya (CSAK),
10. Wildlife Clubs of Kenya (WCK)

#### **F. ACADEMIC HONORS, AWARDS AND APPRECIATIONS**

1. **2023:** Fellow of the African Sustainable Development Fellowship to advance integrated training on the Implementation of the SDGs and AU Agenda 2063:

2. **2022:** Fellow of PlanAdapt, an initiative that engages in projects in action oriented research, effective advisory services, impactful capacity development, learning and training to provide solutions facing the global south;
3. **2017:** Recipient, Letter of Appreciation from the Deputy Vice-Chancellor, Planning Research and Innovation (PR&I) for my contribution in writing a proposal for Establishment of the UNESCO Chair for Environment and Biodiversity of MMUST;
4. **2015:** Recipient, System for Land Based Emission Estimation in Kenya (SLEEK) Award for PhD Study Under the Clinton Foundation Climate Initiative/Australian Government Funds;
5. **2015:** Recipient, Letter of Appreciation from the Chairman, MMUST Electoral Commission for my role and contribution as a Deputy presiding officer in the Masinde Muliro University of Science and Technology (MMUST) students elections;
6. **2009:** Association of American Geographers (AAG)/My Community Our Earth (MYCOE) Fellow, Initiative that supports research and education on geographic technologies for biodiversity and conservation in Africa;
7. **2009:** Recipient, Masinde Muliro University of Science and Technology (MMUST) Partial scholarship to pursue Master of Science in Environmental Biology at MMUST;

#### G. **GRANT PROPOSALS AND JOURNALS PEER REVIEW**

1. **March, 2023 to Present:** Member, British Ecological Society (BES) Review College;
2. **2022 to Present:** Reviewer, Journal of Geology, Ecology and Landscapes;
3. **2022 to Present:** Reviewer, Journal of Tropical and Sub-Tropical Ecosystems,
4. **2022 to Present:** Reviewer, Open Journal of Ecology
5. **2021 to Present:** Journal of Environment and Sustainability.
6. **2021 to Present:** Journal of Health and Environmental Research (JHER),

#### H. **ACADEMIC AND TEACHING EXPERIENCE**

1. **April, 2021 to Present: Lecturer- Environmental Science/Natural Resources Management,** Masinde Muliro University of Science and Technology (MMUST);  
**Courses Taught:** Advanced Natural Resources Management, Environmental Law and Policy, GIS and Remote Sensing, Environmental Law and Policy, Water Governance, Forestry and Carbon Trading, Forests and Wildlife, Biodiversity Conservation and Management, Fundamentals of Ecology, Wildlife and Habitat Management, Project Planning and Analysis, Conservation and Utilization of Wildlife Resources, Wild Species and Natural Habitats, Principles of Range and Forest Ecology, Analysis of Wildlife Populations.
2. **2013 to March, 2021: Assistant Lecturer-Environmental Science/Natural Resources Management,** Masinde Muliro University of Science and Technology (MMUST);  
**Courses taught:** Forestry and Carbon Trading, Forests and Wildlife, Biodiversity Conservation and Management, Fundamentals of Ecology, Wildlife and Habitat Management, Project Planning and Analysis, Conservation and Utilization of Wildlife Resources, Wild Species and Natural Habitats, Principles of Range and Forest Ecology, Analysis of Wildlife Populations, Human Dimensions of Bioresources, Forests and Rangelands, and Bushmanship Survival Field Skills, Techniques in Bioresources Conservation and Management.  
**Performance milestones:**
  - Teaching Environmental Science and Natural Resource and Management to undergraduate classes averaging 100 students.

- Developing course content and learning materials.
  - Setting, moderating, administering, and grading examinations.
  - Providing academic mentorship and advice to undergraduate students.
  - Supervising undergraduate research projects and conducting research activities.
3. **2016 to Present: Internal Part-Time Lecturer-Masinde Muliro University of Science and Technology (MMUST)**  
**Course Taught:** Biodiversity and Ecology, Ecological Restoration and Management, Management of Arid and Semi- Arid Lands, Biodiversity Conservation and Management, Plant Ecology.
  4. **2017 to 2018: Part-time Lecturer, Kibabii University;**
    - a. **Subjects taught:** Bushmanship Survival Field Skills, Local communities and Utilization of Bio-resources, Techniques in Bio-resources Management
    - b. **Performance milestones:**
      - Taught over 50 undergraduate students undertaking Bachelor of Bio-resources Conservation and Management.
      - Set, Invigilated and graded examinations.
  5. **2013 to 2015: Part-time Lecturer, Moi University-Odera Akang'o Campus;**
    - a. **Subjects taught:** Plant Ecology I, Vertebrate Zoology, Invertebrate Zoology, and Animal Genetics and Evolution.
    - b. **Performance milestones:**
      - Taught over 50 undergraduate students undertaking Bachelor of Education Science.
      - Invigilated and graded examinations.
  6. **April 2009 to January 2013: Graduate Teaching Assistant, Masinde Muliro University of Science and Technology (MMUST);**
    - a. **Courses taught:** Animal sampling techniques, Human Dimensions of Bio-resources, Forests and Rangelands, and Bushmanship Survival Field Skills, Techniques in Bio-resources Conservation and Management.
    - b. **Performance milestones:**
      - Taught over 100 Bsc. Environmental conservation and Management and Bsc. Bio-resources conservation and Management students under guidance from the professor.
      - Invigilated and graded examinations.
      - Assisted over 20 undergraduate students in project work.
  7. **May 2008 to April 2009:** BOG Teacher-Biology, Chemistry & Agriculture, Mbihi Friends High School;
  8. **May to Aug. 2007/May to Aug. 2006:** Teaching Practice-Biology & Chemistry, Moi Girls' High School Nangili;
  9. **January to October 2004:** Untrained Teacher-Biology, Agriculture & Chemistry, Ivugwi Secondary School;

#### **I. RESEARCH GRANTS AND CONSULTANCY EXPERIENCE**

1. **December, 2022:** Mapping of the Stakeholders in Kakamega County under the Western Kenya Water Project (WKWP), Funded by USAID;
2. **2017 to 2022:** Co-Investigator (Co-I): Co-Investigator (Co-I): Building Research Capacity for Sustainable Food and Water Security in Drylands of Sub-Saharan Africa (BRECclA).

<https://www.qcrf-breccia.com/african-university-partners/masinde-muliro-university-of-science-and-technology-staff/>

3. **2021-2022: Co-Principal Investigator:** Determination of Carbon and Nitrogen Budget for Sustainable Land Use and Improved Productivity among Communities within the Kakamega Forest Ecosystem. **MMUST Institutional Research Fund (IRF) 2020/2021. USD. 4,500.**
4. **2021: Agevi Humphrey-Principal Investigator (PI)**, Kaleb Mwendwa, Judith Achoka, James Owuor, Umulkher Ali Abdillahi, Edwin Kanda, Nicholas Kitungulu and Bill James Ouda. Assessment of Operations and Functions in Masinde Muliro University towards Carbon Management and Transformation into a Green and Sustainable University. Kenya Shillings Submitted to the **MMUST Institutional Research Fund (IRF) 2020/2021. USD. 6,000.**
5. **2021: Agevi Humphrey** and Kaleb Adamba Mwendwa. Development of Biomass Allometric Estimation Model for *Croton macrostachyus*. **MMUST Internal Support for University Innovative Fund. USD. 3,000.**
6. **2019 to 2023:** Consultant in providing advice and Assistance to Eco2librium in research related to energy cook stoves and Agroforestry, offering professional and expert advice on ongoing and upcoming research activities and supervising international students undertaking research activities and affiliated to ECO2.
7. **2019 to 2022:** Research Scientist in the GCRF-BRECcIA Project, "Determining Resilience attributable to Bio-physical, Social, Gender, Economic and Political factors that influence Food and water Security in ASALs of West Pokot and Turkana Counties, Kenya." Funded and supported by UKRI-GCRF through BRECcIA Project and World Agroforestry Centre (International Centre for Research in Agroforestry-ICRAF). **£15,000 British Pounds.** <https://bit.ly/3hUyy4J>
8. **2018 to 2020:** Research Scientist in the UNEP/AGRA/KALRO Project "Scaling up Sustainable Land Management and Agrobiodiversity Conservation to reduce Environmental Degradation in Small Scale Agriculture in Western Kenya."
9. **2016:** Recipient, National Research Fund (NRF) Research Grant award for PhD study; Project Title: Determination of carbon stocks and stock changes in different agroforestry practices in Western Kenya;
10. **2013:** Recipient, University Research Funds (URF); Project Title: Trends and Impacts of land use and land cover changes on the biodiversity of Kakamega and Tiriki Cultural Forests, Kenya;
11. **2012-2014 :** Research Scientist : Establishment of School Science Clubs across the country with the help of former Kenyan students in France-Project: Agroforestry" Embassy of France in Kenya and Association of France Alumni in Kenya (AFRAKEN);
12. **2011:** Recipient, University Research Funds (URF); Project Title: Effects of Canopy Tree Remnants in Seedling Germination and Establishment in Degraded areas of Kakamega Forest;
13. **2013:** Baseline Survey on "Assessment of local feed resource availability and use, with a view to designing intervention strategies aimed at optimizing feed utilization with use of Feed Assessment Tool (FEAST), ILRI; 2013.
14. **2013:** Baseline Survey: "Conservation of Kakamega Forest and Promotion of Sustainable Management and Benefit Sharing to Curb Climate Change", European Union/Danida/Community Development Trust Fund; 2013.

#### **J. PEER REVIEWED JOURNAL PUBLICATIONS**

1. Obonyo, A.O., Agevi, H. and Tsingalia, H.M. (2023). Above-ground carbon stocks and its functional relationship with tree species diversity: the case of Kakamega and North Nandi Forests, Kenya. *Scientific Reports* 3:1-10. <https://doi.org/10.1038/s41598-023-47871-6>

2. Muigai, P., Agevi, H., Otuoma, J., Muyekho, F. N., Onyango, C. A. and Ayaga, G. (2023). Trade-Offs in Tree Species Selection and Carbon Offset on Farms Adjacent to Kakamega-Nandi Forest Ecosystem in Kenya. *Tropical and Subtropical Agroecosystems* 26: 1-17. <http://doi.org/10.56369/tsaes.4774>
3. Lwanga, A.I., Tsingalia, H.M., **Agevi, H.** and Shilenje, Z.W. (2022) Effects of Sand-Harvesting on River Water Quality and Riparian Soil Physico-chemical Properties. *Open Journal of Ecology*, 12, 570-583. <https://doi.org/10.4236/oje.2022.128032>;
4. Mwendwa, K.A., Obiri, J. and **Agevi, H.** (2020). Climate Justice within the UNFCCC Negotiations: The Case of the Rights of Indigenous Peoples from Copenhagen Accord to Paris Agreement. *International Journal of Natural Resource Ecology and Management (IJNREM)* 5(4): 160-167
5. Nadio, C. E., **Agevi, H.** and John, Obiri. (2020). Impacts of *Prosopis juliflora* on Abundance and Species Diversity of Forage Species in Turkana County, Kenya. *Current Journal of Applied Science and Technology*, 39(33), 112-125.
6. Mwendwa K. A. and **Agevi H.** (2020) Influence of Forest Roads, Distance from the Boundary and Location of Sites on Illegal Activities in Arabuko Sokoke Forest, Coast-Kenya. *American Journal of Agriculture and Forestry*, 8(6): 235-246. doi: 10.11648/j.ajaf.20200806.11.
1. **Agevi, H.**, Tsingalia, H.M. Muyekho, F., Obiri, J., Mukoya, W. and Onwonga R. (2019). On-Farm Tree Abundance and Biomass Carbon Stocks of *Grevillea robusta* and *Eucalyptus saligna* on Farms around Kakamega Forest. *American Journal of Agriculture and Forestry*, 7(5): 162-167.
2. **Agevi, H.**, Onwonga, R., Kuyah, S. and Tsingalia, H.M. (2017) Carbon stocks and Stock Changes in Agroforestry Practices; A review. *Tropical and Sub-Tropical Agro ecosystems*, 20:101-109.
3. **Agevi, H.**, Mwendwa, K.A., Koros, H., Mulinya, C., Kawawa, R. C., Kimutai, D.K., Wabusya, M., Khanyufu, M. and Jawuro S. (2016). PELIS Forestry Programme as a Strategy for Increasing Forest Cover and Improving Community Livelihoods: Case of Malava Forest, Western Kenya. *American Journal of Agriculture and Forestry*, 4(5): 128-135.
4. Kawawa, R.C.A., Obiri, J.F., Muyekho, F.F., Omayio, D.O., **Agevi, H.**, Mwaura, A., Obiet, L., Kimutai, D.K., and Sifuna A.W. (2016). Allelopathic potential of invasive *Psidium guajava* L., against selected native tree species in Kakamega Tropical Forest, Western Kenya. *Journal of Pharmacy and Biological Sciences* 11(2): 80-86.
5. Koros, H., Malombe, I., Mwendwa, K., Pascaline Jeruto, P., **Agevi, H.** and Konje, M. (2016). Indigenous Knowledge, Uses, and Conservation of *Prunus Africana* (Hook F.) Kalkman in Nandi Forests. *Journal of Natural Sciences Research* Vol. 6, No. 14; ISSN 2224-3186 (Paper) ISSN 2225-0921 (Online).
6. Kawawa, R.C.A., Muyekho, F.N., Obiri, J.F., **Agevi, H.** and Obiet, L. (2016). The Allelopathic Impact of *Psidium guajava* L., Leaf Extracts on the Germination and Growth of *Cassia occidentalis* L., Seeds. *IOSR Journal of Agriculture and Veterinary Science*. Issue 7(1) PP 101-105.
7. **Agevi, H.**, Tsingalia, M., Wabusya, M., Kigen, C., Kawawa, R., Obiet, L., and Tarus G (2016). Diversity and Biomass Variation in Masinde Muliro University of Science and Technology. *Researchjournal's Journal of Forestry* Vol 3. Issue 3.
8. Obiet, L., Konje, M., Muyekho, F.N., Kawawa, R.C.A and **Agevi, H.** (2016). Forage species of Impala Sanctuary, Kisumu, Kenya. *Asian Journal of Basic and Applied Sciences* Vol. 3, No. 2.
9. Wabusya Moses, Humphrey Nyongesa, Martha Konje, **Humphrey Agevi**, Mugatsia Tsingalia (2015). Effects of land use practices on soil organic carbon, nitrogen, and phosphorus in river Nzoia drainage basin, Kenya. *Agriculture, Forestry and Fisheries* 4(4): 153-158.



10. **Agevi, H.**, Wabusya, M. and Tsingalia, HM. (2014). Community Forest Associations and Community-Based Organizations: Redesigning their Roles in Forest Management and Conservation in Kenya. *International Journal of Science and Research (IJSR)*. 3(9) [www.ijsr.net](http://www.ijsr.net)
11. Onyando, Z., W. Shivoga, H. Lung'ayia, D. Ochieno, **H. Agevi** and C. Kigen (2013). The influence of land use on nutrient regime in a tropical stream. *Elixir Pollution* 64 (2013) 19290-19294.
12. Kigen, C.; P. Okoth, M. Konje, W. Shivoga, D. Ochieno, S. Wanjala, **H. Agevi**, Z. Onyando, B. Soy, P. Kisoyan and S. Makindi (2013). Modelling the spatial impact of climate change on Grevy's Zebra (*Equus grevyi*) niche in Kenya. *Elixir Remote Sensing* 62: 17608-17611.<sup>1</sup>
13. **Agevi, H.**, Akinyi, C.O., Tsingalia, H.M. Schaab and Chords, M. (2012). Monitoring and density estimation by spatial extrapolation of monkey population in Kakamega Forest, Kenya. *East African Journal of Engineering, Science and Technology (EAJEST)* 1(1) January 2013.
14. **Agevi, H.**, Tsingalia, HM. Musila, W. and Mwendwa, KA. (2012). Effects of open patches in seedling germination and establishment in Kakamega Forest. *East African Journal of Engineering, Science and Technology (EAJEST)* 1(1) January 2013.
15. Mwendwa, KA. Toili, W., Edome, P., Michieka, R., and **Agevi, H.** (2012). An analysis of secondary school Biology and Chemistry curriculum and KCSE exams in relation to environmental education. *East African Journal of Engineering Science and Technology (EAJEST)* 1(1) January 2013

#### **K. BOOKS/CONTRIBUTION TO BOOKS**

1. Mwendwa, K.A., Dhidha, M. and **Agevi, H.** (2016). *Socio-economic and Biophysical Characteristics of the Tana Delta, Kenya: Enhancing Community Participation in Natural Resources Management*. (ISBN: 978-3-330-02326-0 LAP LAMBERT Academic Publishing. OmniScriptum GmbH & Co. KG. Bahnhofstraße 28, D-66111 Saarbrücken).
2. Muyekho, F.N., Siamba, D.; **Agevi, H.** and Okotsi, S. (2014). Characterizing the livestock production system and potential to enhance productivity through improved feeding in Matayos in Busia County, Kenya. IN: Muyekho F.N., Lukuyu, B. and Duncan, A.J. 2014. Characterization of the livestock production systems and potential to enhance dairy productivity through improved feeding in sub-humid Western Kenya. ILRI: 1-18 <http://hdl.handle.net/10568/66130>.
3. Muyekho; F.N., Siamba, D., **Agevi, H.** and Etiang, S.A. (2014). Characterizing of the livestock production system and potential to enhance productivity through improved feeding in Sabatia, Vihiga County, Kenya. IN: Muyekho F.N., Lukuyu, B. and Duncan, A.J. 2014. Characterization of the livestock production systems and potential to enhance dairy productivity through improved feeding in sub-humid western Kenya. Nairobi, Kenya: ILRI: 19-34. <http://hdl.handle.net/10568/66131>
4. Muyekho, F.N., Siamba, D., **Agevi, H.**, Tennesi, G. and Koronge, E.M. (2014). Assessing the dairy value chain and potential to enhance productivity through improved feeding in Marani Sub-County, Kisii, Kenya. IN: Muyekho F.N., Lukuyu, B. and Duncan, A.J. 2014. Characterization of the livestock production systems and potential to enhance dairy productivity through improved feeding in sub-humid western Kenya. Nairobi, Kenya: ILRI: 35-49. <http://hdl.handle.net/10568/66132>
5. Muyekho, F.N.; Siamba, D., **Agevi, H.**, Nyagol, D and Karugara, D. (2014). Characterization of the livestock production system and potential to enhance productivity through improved feeding in

Kisumu West, Kisumu, Kenya. IN: Muyekho F.N., Lukuyu, B. and Duncan, A.J. 2014. Characterization of the livestock production systems and potential to enhance dairy productivity through improved feeding in sub-humid western Kenya. Nairobi, Kenya: ILRI: 50-67. <http://hdl.handle.net/10568/66133>

#### **L. CONFERENCE PROCEEDINGS/WORKSHOP PROCEEDINGS EDITORIALS**

1. Tsingalia, H. M., Mwendwa, K, A., Wamocho, L., Kabaji, E. and **Agevi, H.** (eds.) 2013. Proceedings of the International Conference on Tropical Forest Resources-*Forest Biodiversity, Conservation and Climate Change*, 6th to 9th June 2011. 166p. The Centre for Kakamega Tropical Forest Studies and Masinde Muliro University of Science and Technology, Kenya. Copyright © 2013. ISBN 978-9966-21-012-8

#### **M. PAPERS PRESENTED IN CONFERENCES/CONFERENCE PROCEEDINGS**

1. Orlale, R., Were, K.O., Ayaga, G.O., Anjawa, D., Lwegado, V., Mwenesi, J.K., **Agevi, H.**, Muyekho, F.N., Mudavadi, P and Opondo, M. (2023). Innovation Platforms for Scaling Sustainable Land Management across Productive Landscapes: Experiences from the Kakamega-Nandi Ecosystem in Western Kenya. Presented during the 1st KALRO Scientific Conference and Exhibition at Naivasha;
2. **Agevi, Humphrey**, Mr. Kaleb Mwendwa, Prof. JSK Achoka, Dr. Umulkher Ali, Mr. Nicholas Kitungulu, Dr. Bill Ouda Assessment of Operations and Functions in Masinde Muliro University towards Carbon Management and Transformation into a Green and Sustainable University; Held at Masinde Muliro University of Science and Technology (MMUST);
3. Nadio, E. Clement, **Agevi, Humphrey**, Mwendwa, A. Kaleb and Obiri F. John (2021). The Effects of Invasive Species *Prosopis juliflora* on Livestock Production and Challenges Associated with its Control in Turkana County, Kenya. Held at Masinde Muliro University of Science and Technology (MMUST);
4. Anjila Shadrack, Francis N. Muyekho, Jacob Wakhungu, Alice Ndiema & **Humphrey Agevi** (2021). *Ruminant Livestock Diversity and Abundance: Challenges and Opportunities in Increasing Animal Productivity While Conserving the Kakamega Forest Ecosystem*. Held at Masinde Muliro University of Science and Technology (MMUST);
5. Kaleb A. Mwendwa, Daniel N. Namanya, **Humphrey Agevi**, & Milton Adieri (2021). Biophysical and Socio-economic Factors Influencing Resilience to Food and Water Insecurity in Turkana County, Kenya. Held at Masinde Muliro University of Science and Technology (MMUST);
6. Erica Jebet, Francis N. Muyekho and **Humphrey Agevi** (2021): Abundance and Diversity of Soil Invertebrate Macro-fauna in Different Land Uses at Kakamega Forest. Held at Masinde Muliro University of Science and Technology (MMUST);
7. Kaleb Mwendwa, Obiri John, **Agevi Humphrey**, Umulkher Ali Abdulahi, Isa Kweyu (2020) Covid-19 and Nature: The Interconnections in the STEM Education International Conference 2020 (STEMEIC2020) "*Integrating Pedagogy and Technology to Ensure Resilience, Quality, Equity and Sustainability*" at Masinde Muliro University of Science and Technology (MMUST); ISSN: 22223-490X; Page 16-40
8. **Agevi, H.**, Tsingalia, H.M., Muyekho, F.N. Obiri, j. Mwendwa, K. and Mukoya, W. (2019). *Enhancing and Promoting Sustainable Land Management Technologies and Innovations to*

- Conserve agrobiodiversity in Kenya's Drylands* in the ANSO-MMU-SAJOREC International Conference whose theme was: Biodiversity for Sustainable Development. Held from 4<sup>th</sup> – 6<sup>th</sup> September, 2019.
9. **Agevi, H.**, Kuyah, S., Tsingalia, H.M. and Onwonga, R.N. (2019). *Tree Diversity and Biomass Carbon Stocks in Agroforestry Practices in Western Kenya*, in the 13<sup>th</sup> Multidisciplinary Conference on Transformational Leadership, Innovation and Technology Transfer for Sustainable Development in Developing Countries held at Masinde Muliro University of Science and Technology (MMUST).
  10. **Agevi, H.**, Tsingalia, H.M., Nabwire, J.L., Wabusia, M.W. and Songok, J.R. (2019). *Effects of Management Regimes on the Extraction of Timber and Non-Timber Forest Products (TNTFPs) from Kakamega Forest* in the 13<sup>th</sup> Multidisciplinary Conference on Transformational Leadership, Innovation and Technology Transfer for Sustainable Development in Developing Countries held at Masinde Muliro University of Science and Technology (MMUST).
  11. **Agevi, H.**, Obiri, J., Tsingalia, H.M., Mukoya, W. and Wabusia, M.W. (2019). *Household abundance and Utilization of Grevillea robusta and Eucalyptus spp on farms around Kakamega Forest* in the 13<sup>th</sup> Multidisciplinary Conference on Transformational Leadership, Innovation and Technology Transfer for Sustainable Development in Developing Countries held at Masinde Muliro University of Science and Technology (MMUST).
  12. Alice LK Kelly, Charles K Kigen, **Humphrey Agevi** & Kaleb A. Mwendwa (2016). *Trends in land use and land cover changes: drivers and impacts on Kakamega forest block*. Proceedings of the conference on Expanding Theoretical and Applied roles of GIS in a Dynamic Global Environment. Masinde Muliro University of Science and Technology. ISBN 978-9966-096-54-8. Page 59-68
  13. Charles K Kigen, Stanley Makindi, Edward N Masibayi, **Humphrey Agevi**, Zedekiah Odira & Francis Muyekho (2016). *Modelling Climate-based changes of sugarcane growing areas in Western Kenya*. Proceedings of the conference on Expanding Theoretical and Applied Roles of GIS in a Dynamic Global Environment. Masinde Muliro University of Science and Technology. ISBN 978-9966-096-54-8. Page 177-183.
  14. Ochieno, D.W., **Agevi, H.**, Naluyange, V., Obiri, J., Baraza, D., Orata, F., Muyekho, F.N. Poipoi, M., Wakhungu, J., Omolo, M., Ngaira, J. and Kabaji, E. (2015). *Towards Biosecurity Curriculum and Facilities for Bio-terrorism and Bio-crime Management in Africa*. International Conference on Security.
  15. Kaleb A. Mwendwa and **Agevi Humphrey** (2014). *Efforts towards increased Forest Cover as a Measure to Mitigate Effects of Climate Change* in the 4<sup>th</sup> Annual Internal Conference Addressing the Challenges Facing Humanity through Research and Innovation; Kabarak University Kenya 15<sup>th</sup> to 15<sup>th</sup> July, 2014.
  16. Songok J.S, Nabwire J.L, Ongunya R.O and **Agevi H.** (2014). "Mainstreaming E-Waste Management Policy: The Kenyan Situation" for the 1st International Interdisciplinary Annual Conference, Theme: "Africa and the New World Order" at the Kisii University held on 30th July to 2nd August 2014.
  17. **Agevi, H.**, Tsingalia, HM. Mwendwa, KA and Wabusya WM. (2013). *Community Forest Associations (CFAs) and Community Based Organizations (CBOs) Redesigning their roles in Forest Management and Conservation in Kenya* during the First Interdisciplinary International Conference from 3<sup>rd</sup> to 5<sup>th</sup> September, 2013 at the University of Eldoret.

18. Tsingalia, HM. **Agevi, H.**, Mwendwa, KA and Nyando, VV. (2012) *Forest Inventory and Logging in Kakamega Forest: Implications for Sustainable exploitation* during the International Conference on Natural Resources at Karatina University College from 25<sup>th</sup> to 28<sup>th</sup> July, 2012
19. **Agevi, H.**, Akinyi, CO., Tsingalia, HM. Schaab and Chords, M. (2011). *Monitoring and Density Estimation by spatial extrapolation of monkey population in Kakamega Forest, Kenya* during the International conference on Forest Biodiversity, conservation and Climate Change at Masinde Muliro University and Technology from 6<sup>th</sup> to 9<sup>th</sup> June, 2011.
20. **Agevi, H.**, Tsingalia, HM. Musila, W., and Mwendwa, KA. (2011.) *Effects of open patches in seedling germination and establishment in degraded areas of Kakamega Forest* during the International conference on Forest Biodiversity, conservation and Climate Change at Masinde Muliro University and Technology from 6<sup>th</sup> to 9<sup>th</sup> June, 2011.
21. Gweyi-Onyango, J.P, Akwee, P.E., Onyango, A.C., **Agevi, H.**, and Pakia, M., (2009). *Differential Genotypic yield responses of cow pea (Vigna unguiculata) to sub-optimal phosphorus supply in acid Alfisols of Western Kenya*. 9<sup>th</sup> HAK workshop on sustainable crop production proceedings; presentation at International Scientific HAK Conference in Arusha, Tanzania, December 2009.

#### **N. NEWSPAPER ARTICLES**

1. 6<sup>th</sup> June, 2021: Why its Urgent to restore and Reclaim our environment. <https://www.standardmedia.co.ke/opinion/article/2001414920>
2. 22<sup>nd</sup> May, 2020: *Pandemics Payment for Mocking Nature*. Daily Nation <https://www.nation.co.ke/oped/opinion/Pandemics-payment-for-mocking-nature/440808-5560092-gt1grn/index.html>
3. 31<sup>st</sup> January, 2019 : *Need to Conserve Key Wetlands in Kenya*. Daily Nation. <https://www.nation.co.ke/kenya/blogs-opinion/opinion/need-to-conserve-key-wetlands-in-kenya-133876>
4. 2<sup>nd</sup> July, 2019 : *The Country must Embrace the Greening Initiative to Achieve 10% tree Cover*. The Standard Newspaper.
5. 21<sup>st</sup> March, 2018 : Lets Celebrate Forests Day by Planting more Trees. Daily nation, Pg 18.

#### **O. CONFERENCES ATTENDED**

1. **27<sup>th</sup> -31<sup>st</sup> March, 2023:** Attended the 1st KALRO Scientific Conference and Exhibition whose theme was "Transformative agricultural technologies, innovations and management practices for food and nutrition security, income and climate resilience" Organised by Kenya Agricultural Research and Livestock Organization (KALRO)
2. **17<sup>th</sup> – 19<sup>th</sup> November, 2021:** Attended virtual International Conference (STEMEIC2021) whose theme was "STEM Education and Innovation in Africa and beyond during and post COVID-19: Ensuring Quality, Equity and Inclusivity", organized by MMUST
3. **25<sup>th</sup> -29<sup>th</sup> October, 2021:** Attended virtual SARIMA Conference
4. **30<sup>th</sup> to 31<sup>st</sup> August, 2021:** Attended First Blended Research Dissemination Conference whose theme was "Growing Research Capacity Through University Funding 2020/2021" Held at Masinde Muliro University of Science and Technology (MMUST);
5. **19<sup>th</sup> -21<sup>st</sup> May, 2021:** Attended the 14<sup>th</sup> Multidisciplinary Virtual Conference on "*Innovative Technology Transfer for Universal Health Care (UHC); Food Security; Affordable Housing and*

- Manufacturing for Sustainable Development.*" Held at Masinde Muliro University of Science and Technology (MMUST);
6. **25<sup>th</sup> – 27<sup>th</sup> November, 2020:** Attended STEM Education International Conference 2020 (STEMEIC2020) "*Integrating Pedagogy and Technology to Ensure Resilience, Quality, Equity and Sustainability*" at Masinde Muliro University of Science and Technology (MMUST);
  7. **21<sup>st</sup> August, 2020:** Attended virtual Biophysical Society Conference on "*Embracing Biophysics in Africa: Challenges and Strengths.*"
  8. **4<sup>th</sup> to 6<sup>th</sup> September, 2019:** ANSO-MMU-SAJOREC International Conference on *Biodiversity for Sustainable Development* held in Masai Mara University, Kenya;
  9. **19<sup>th</sup> to 21<sup>st</sup> June, 2019:** 13<sup>th</sup> Multidisciplinary Conference on *Transformational Leadership, Innovation and Technology Transfer for Sustainable Development in Developing Countries* held at Masinde Muliro University of Science and Technology (MMUST), Kakamega, Kenya;
  10. **26<sup>th</sup> to 28<sup>th</sup> July, 2018:** Regional Christian and Scientific Association of Kenya (CSAK) Conference on "*Interaction of Science and Religion in Africa: Current and Future Perspectives*" held at Sweet Lake Resort, Naivasha Kenya.
  11. **21<sup>st</sup>-25<sup>th</sup> November, 2016:** African Ecosystem Services Partnership Conference: "*Ecosystem Services for Sustainable Development Goals (SDGs) in Africa.*" Held at Intercontinental Hotel, Nairobi-Kenya
  12. **18<sup>th</sup> November, 2016:** National Conference on Lands and Mining rights. Held at Nairobi Safari club hotel, Nairobi-Kenya
  13. **8<sup>th</sup> - 9<sup>th</sup> September, 2016:** Christian and Scientific delegate conference on "*Facilitating synergistic Interaction between Science and Christian Faith*" at Safari Park Hotel.
  14. **13<sup>th</sup> - 14<sup>th</sup> August, 2015:** International conference on '*Expanding theoretical and applied roles of GIS in a dynamic global environment*' at Masinde Muliro University of Science and Technology (MMUST)
  15. **15<sup>th</sup> to 18<sup>th</sup> July, 2014 :** 4<sup>th</sup> annual International Conference whose theme was *Addressing the Challenges facing Humanity through Research and Innovation* at Kabarak University
  16. **26<sup>th</sup> to 29<sup>th</sup> May, 2014:** 4<sup>th</sup> African Conference on *Edible and Medicinal Mushrooms (ACEMM1V)* hosted by Masinde Muliro University of Science and Technology (MMUST) at Golf Hotel, Kakamega, Kenya.
  17. **3<sup>rd</sup> to 5<sup>th</sup> September, 2013:** First Interdisciplinary International Conference whose theme was *Knowledge and Technological Innovations for Global Competitiveness* held at University of Eldoret in conjunction with Anambra state University, Nigeria.
  18. **25<sup>th</sup> to 28<sup>th</sup> July, 2012:** 1<sup>st</sup> International Conference whose theme was *Natural resources, Conflicts and Peace* at Karatina University College.
  19. **6<sup>th</sup> to 8<sup>th</sup> June, 2011:** International conference on *Forest Biodiversity, conservation and climate change* at Masinde Muliro University of Science and Technology (MMUST).
  20. **19<sup>th</sup> to 21<sup>st</sup> May, 2010:** Conference on *Climate Change and Natural Resource use in Eastern Africa: Impacts, Adaptation and Mitigation* at Multimedia University College.

**P. WORKSHOPS AND SEMINARS ATTENDED**

1. **17<sup>th</sup> October, 2022:** Climate Change Adaptation Networking Workshop organised by the Nordic African Institute, University of Dar-es-Salaam, Tanzania and Kenyatta University-Kenya at SOSA Hotel, Vihiga County;

2. **5<sup>th</sup> October, 2022:** Inception Workshop for the USAID Western Water Project by the Ministry of Water, Environment, Natural Resources and Climate Change;
3. **15<sup>th</sup> to 20<sup>th</sup> November, 2021:** Virtual Training Workshop on “Assessment of the Dynamics of Ecosystems in the Emerging Coastal Towns in the WIO region”; Organised by KMFRI in collaboration with South Eastern Kenya University (SEUKO), Machakos University, Kenyatta University, The University of Nairobi, Centre for Marine and Environmental Research of the University of Algarve and ERACOMA;
4. **9<sup>th</sup> June, 2021:** School of Natural Sciences (SONAS) Workshop with the theme: Embracing Multidisciplinary Research and Innovation in the Intervention of Societal Problems: STEM in focus. Organised by Masinde Muliro University of Science and Technology (MMUST);
5. **7<sup>th</sup> to 9<sup>th</sup> June, 2021:** Leadership Sensitization on Research Grants. Organised by Masinde Muliro University of Science and Technology (MMUST);
6. **27<sup>th</sup> to 1<sup>st</sup> June, 2021:** ARUA-CD Workshop on Climate Change Curricula for Lecturers in Africa;
7. **20<sup>th</sup> May, 2021:** Attended the AERA-ICPSR PEERS Data Hub Workshop on Introduction to *Qualitative Meta-Synthesis Methods: Achieving STEM Equity and Inclusion through Syntheses* organized by American Educational Research Association Inter-university Consortium for Political and Social Research;
8. **25<sup>th</sup> to 26<sup>th</sup> April, 2021:** Induction Training Workshop for UASU MMUST officials at Desert Rock Resort Kisumu
9. **6<sup>th</sup> February, 2021:** Attended one day online workshop on Technical Research Paper Writing in High Indexed Journal Organised by Centre for Climate Change and Water Research, SGVU, Jaipur.
10. **2<sup>nd</sup> February, 2021:** Attended a validation workshop on *County Climate Change Action Plan* for the County Government of Kakamega held at Golf Hotel, Kakamega
11. **30<sup>th</sup> January, 2021:** Attended one day online workshop on Information retrieval in Post Covid-19 in the light of Data Analysis. Organised by Centre for Climate Change and Water Research, SGVU, Jaipur.
12. **5<sup>th</sup> December, 2020:** Attended World Soil Day 2020 webinar on Keep soil alive, Protect soil Biodiversity, organized by Land and Health Association.
13. **11<sup>th</sup> November, 2020:** Attended webinar on “Research Capacity among Academic Members of Staff in MMUST” organized by Masinde Muliro University of Science and Technology (MMUST);
14. **7<sup>th</sup> November, 2020:** Attended virtual workshop on Captive Breeding of Endangered vulture Species organized by international Forestry Association (IFSA);
15. **20<sup>th</sup> October, 2020:** Virtual workshop on ‘EOFactory - Reformulating Earth Observation Analytics from Pixels to Intelligence with AI/ML’ Organised by Suresh Gyan Vihar University; Certificate ID: N6YPQM-CE000036 ;
16. **12<sup>th</sup> October, 2020:** Attended a validation workshop on *Climate Finance* for the County Government of Kakamega held at Diamond Rock Restaurant, Kakamega
17. **3<sup>rd</sup> October, 2020:** Virtual Workshop on ‘*Advances in Space Technology for Forest Resource Inventory & Management*’ Organised by Suresh Gyan Vihar University ; Certificate ID: GUO2QK-CE000142 ;
18. **17<sup>th</sup> July, 2020:** Validation Workshop on *Kakamega County Climate Change Policy* held at Diamond Rock Restaurant, Kakamega;
19. **21<sup>st</sup> November, 2019:** Validation workshop on *Environmental and Social Impact Assessment (ESIA) for the Proposed Construction of Electric Perimeter Fence of Kakamega Forest* held at Bishop Stam Pastoral Centre

20. **14<sup>th</sup> – 16<sup>th</sup> August, 2019:** Regional Workshop organized by Christian and Scientific Association of Kenya (CSAK) themed *Interaction of Science, Religion and Culture in Africa, Past, Present and Future Perspectives* held at Rainbow Resort, Naivasha Kenya;
21. **8<sup>th</sup> August, 2019:** Stakeholder Workshop on *Resource Efficiency and Waste Management for Off Grid Solar Products in Kenya*; organized by myclimate and Solibrium
22. **2<sup>nd</sup> July, 2019:** The Multidisciplinary Biophysical Society (BPS) Sponsored *Curriculum Development and Chapter Promotion Workshop*. Organized by the Biophysical Society (BPS), Kenyan Chapter
23. **10<sup>th</sup> – 14<sup>th</sup> June, 2019:** Carbon Benefits Project Data Evaluation and Cost Benefit Analysis Workshop organized by KALRO Alupe and Colorado State University;
24. **11<sup>th</sup> May, 2019:** Stand up Shout Out (SUSO) Wildlife youth Summit on the *Role of youth in Biodiversity Conservation and Management* held at Kakamega, Kenya
25. **July 2018:** Kinship Conservation Workshop on Innovative market based approaches to Conservation
26. **February, 2018:** Carbon Benefits Project Training Workshop on Simple and Detailed Assessment organized by KARLO and Colorado State University;
27. **December, 2017:** International Researchers' Link Workshop on the Role of Smallholder in combating Climate Change,
28. **7<sup>th</sup> -8<sup>th</sup> December, 2017:** Sustainable Land and /Forest Management (SLM/SFM) practices and agro-biodiversity conservation to reduce Environmental Degradation in small-scale agriculture in Western Kenya;
29. **August, 2017:** Christian and Scientific National Workshop organized by the Christian and Scientific Association of Kenya;
30. **20<sup>th</sup> - 21<sup>st</sup> September, 2016:** Workshop for stakeholders in East and Southern Africa on *Post Unea 2 resolutions and implementation* at UNEP-Gigiri
31. **2016:** Christian and Scientific National Workshop organized by the Christian and Scientific Association of Kenya;
32. **March, 2016:** Workshop on *Popular Scientific writing* held at National Museums of Kenya (NMK)- Nairobi
33. **April 2015:** International Bamboo Resource Management workshop at KEFRI HQ, Muguga, Nairobi.
34. **March 2015:** Workshop on *"Enhancing Capacity in Kenya to Quantify Greenhouse Gas Emission Reductions from Climate Smart Agriculture"* held in Nairobi, Kenya;
35. **March, 2015:** Training workshop on *'Propagation, utilisation and Management Technology of Bamboo'* at KEFRI HQ, Muguga, Nairobi
36. **November 2014:** Stakeholders' workshop on Malava Forest Management Plan (PFMP) in Malava.
37. **October 2014:** Workshop on Translating both concepts of Ecosystem Services (ES) and Natural Capital (NC) into operational frameworks to provide tested, practical, and tailored solutions for integration into land, water, urban management, and decision making;
38. **June 2014:** Stakeholders Workshop on Common Strategies for the Conservation of Kakamega Forest;
39. **January 2014:** Sustainability workshop whose theme was *Crossroads for Environmental Sustainability* at Moi University, Eldoret, Kenya
40. **November 2013:** Environmental Awareness Day: From Waste to Treasure;

41. **August 2013:** German-Ugandan-Kenyan (UNIVGSKOOP) Universities Cooperation Workshop on Streamlining GIS Teaching while emphasizing focus;
42. **August 2013:** Capacity Development Workshop for Eastern Africa Regional Centres of Expertise (RCE) on Promoting Collaboration for Sustainability in Research and Development;
43. **November 2012:** World Student Summit for Sustainability on Developing a common understanding of a green economy and how youth energy, action, and innovation can be harnessed for enhanced impact in sustainable development;
44. **July 2012:** Workshop on Integrating HIV and AIDS issues into the University Business Core, National AIDS Control Council/MMUST;
45. **February 2012:** Sensitization Workshop on Opportunities under ST&I Grant, MMUST/NCST;
46. **February 2012:** 2<sup>nd</sup> Symposium on Academic Linkages: Strategies, Opportunities, Challenges, and Future;
47. **December 2011:** Training and Sensitization Workshop on Intellectual Property Policy Development;
48. **March 2011:** Training Seminar on ISO 9000:2008 Awareness at Masinde Muliro University of Science and Technology (MMUST).

#### **Q. TECHNICAL REPORTS**

1. Were K.O., Otuoma J.M., Mbakaya D.S., Koile S.E., Mutuku G.M., Aura S., **Agevi H.**, Muya E.M. and Muyekho F.N. (2019). *Modelling of carbon benefits from Sustainable Land management interventions in Makuchi Micro-catchment, Vihiga County*; in the Project, Scaling up Sustainable Land Management and Agrobiodiversity Conservation to reduce Environmental Degradation in Small Scale Agriculture in Western Kenya.
2. Muigai, P., Otuoma J.M., Muyekho F.N. and **Agevi H.** (2019). *Report on Status of tree agrobiodiversity and aboveground carbon stocks in Kakamega, Nandi and Vihiga Counties* in the Project, Scaling up Sustainable Land Management and Agrobiodiversity Conservation to reduce Environmental Degradation in Small Scale Agriculture in Western Kenya.
3. Jebet E., Muyekho F.N. Muya E. and **Agevi H.** (2019). *Assessment abundance of soil macro invertebrates in Kakamega, Vihiga and Nandi counties* in the project, Scaling up Sustainable Land Management and Agrobiodiversity Conservation to reduce Environmental Degradation in Small Scale Agriculture in Western Kenya.
4. Muyekho F.N and **Agevi H.** (2019). *Report on Status of Crop agrobiodiversity in Kakamega and Vihiga Counties* in the project, Scaling up Sustainable Land Management and Agrobiodiversity Conservation to reduce Environmental Degradation in Small Scale Agriculture in Western Kenya.
5. Muyekho F.N and **Agevi H.** (2019). *Status of Environmental and Social Impact safeguards on the SLM Project Interventions* in the project, Scaling up Sustainable Land Management and Agrobiodiversity Conservation to reduce Environmental Degradation in Small Scale Agriculture in Western Kenya.
6. Ngurwe J., Osogo A., Muyekho F.N., Ndong'a M. and **Agevi H.** (2019). *Diversity and Abundance of pollinators and Honey Production in Kakamega, Nandi and Vihiga Counties* in the project, Scaling up Sustainable Land Management and Agrobiodiversity Conservation to reduce Environmental Degradation in Small Scale Agriculture in Western Kenya.
7. Anjila S. Wakhungu J. Ndiema A., Muyekho F.N. and **Agevi H.** (2019). *Assessment of ruminant livestock and forage diversity in Kakamega Forest-Ecosystem* in the project, Scaling up



Sustainable Land Management and Agrobiodiversity Conservation to reduce Environmental Degradation in Small Scale Agriculture in Western Kenya.

#### **R. POST-GRADUATE STUDENTS SUPERVISION**

1. **2020 : Pauline Wambui Muigai**, Msc. Natural Resources and Management, Thesis Supervisor, On-Farm Tree Diversity and Carbon Stocks in the Margins of the Kakamega-Nandi Forest Ecosystem- **Graduated**
2. **2020: Aquila Lwanga**, Msc. Environmental Science, Thesis Supervisor, Effects of Sand Harvesting on Riparian Zone Conservation in Kakamega County-**Graduated**
3. **2020: Kosgey Chepkoech Everlyne**, Msc. Natural Resources and Management, Thesis Supervisor, Assessment of Vegetation Dynamics in Londiani Forest-**Graduated**
4. **2020: Boaz Ekiru**, Msc. Natural Resources and Management, Thesis Supervisor, Household Firewood Consumption and its impacts on woody tree diversity in Kakuma Refuge Camp-**Writing Thesis**
5. **2019: Amos Ouko**, Msc. Environmental Science, Thesis Supervisor, "Spatio-Temporal Changes in aboveground biomass in Kakamega\_North Nandi ecosystem." **Graduated**
6. **2018: Nadio Etabo Clement**, Msc. Natural Resources and Management, Thesis Supervisor, "The Impact of *Prosopis Juliflora* on Plant Diversity In Turkana County, Kenya"-**Graduated**

#### **S. LEADERSHIP AND APPOINTMENTS**

1. **July, 2023:** Chairperson, CBC Payment Verification Committee, Mbale Boys High School.
2. **January-December, 2023:** Ag Secretary General (SG) of the Universities Academic Staff Union (UASU), Masinde Muliro University of Science and Technology (MMUST) Chapter;
3. **April, 2022 to Present:** Member and Chairperson Academic Standards, Quality and Environment Committee, Board of Management, St. John the Baptist Likuyani Boys High School;
4. **April, 2022-Present:** Member and Chairperson Academic Standards, Quality and Environment Committee, Board of Management, Ivugwi Secondary School;
5. **March, 2022-Present:** Member and Chairperson School Infrastructure Committee (SIC), Board of Management, Friends School Mbale
6. **March, 2021 to Present:** Deputy Secretary General of the Universities Academic Staff Union (UASU), Masinde Muliro University of Science and Technology (MMUST) Chapter;
7. **October, 2020-Present:** Chairman, Board of Management St. Monica Secondary School;
8. **2020-2021:** Appointment to the County Technical Committee (CTC) of Access to Benefits and Sharing (ABS) of Genetic Resources of Flora and Fauna;
9. **16<sup>th</sup> to 23<sup>rd</sup> July, 2021:** Acting Chairperson of the Department of Biological Sciences, Masinde Muliro University of Science and Technology (MMUST)
10. **January, 2021 to Present:** Student Advisor for the third years, Department of Biological Sciences;
11. **April, 2019 to Present:** School of Natural Sciences (SONAS) Quality Assurance Coordinator;
12. **February 2019 to Present:** Department of Biological Sciences Quality Assurance Coordinator;
13. **February 2019 to Present:** Department of Biological Sciences Coordinator, ODeL Programme;
14. **2017 to February, 2019:** Examination Coordinator, Department of Biological Sciences, Masinde Muliro University of Science and Technology (MMUST);

15. **June to September 2015:** ODeL Online Instructor-CDM: 801 Disaster Theory and CDM 805 Disaster Impact, Evaluation, and Recovery;
16. **June 2014/November to December 2013/July to August 2013/September 2012:** Acting Director-Centre for Kakamega Tropical Forest Studies (CEKATFOS);
17. **2012 to Present:** Patron, Organization of Environmental Conservationists (OEC);
18. **2012 to 2018:** Acting Coordinator/Research Assistant, Centre for Kakamega Tropical Forest Studies;

#### **T. MEMBERSHIP TO UNIVERSITY COMMITTEES**

1. **2023:** Member, Joint Negotiations Committee (JNC) to negotiate the 2017-2021 MMUST Internal CBA
2. **2022:** Committee Member, University Partnerships Committee;
3. **2022:** Board Member, Institute of Indigenous Knowledge and Cultural Studies (IIKCS)
4. **2021:** Committee Member, RUFORUM Implementation Committee;
5. **2021:** Committee member, University Webometrics Champion
6. **2021:** Committee member the organization of the Induction Training Workshop for UASU MMUST Officials;
7. **2020:** Committee Member, County Technical Committee on Access to Benefits and Sharing of Genetic Resources;
8. **2018:** Committee Member, MMUST Webometrics Advisory Committee
9. **2018:** Committee Member, World Education Conference on Transformative Education,
10. **2018:** Committee Member of the Directorate of Corporate Communications and Marketing Representative;
11. **2016 to 2022:** Board Member, Centre for Kakamega Tropical Forest Studies (CEKATFOS);
12. **2017:** Committee Member, International Researchers' Link Workshop;
13. **2016:** Committee Member, Rainwater Harvesting at MMUST;
14. **2015:** Committee Member-Faculty of Science rep, MMUST Careers Week;
15. **2014:** Steering Committee Member-Greening Initiative Committee, MMUST;
16. **2013:** Committee Member, Organization of the 4<sup>th</sup> African Conference on Edible and Medicinal Mushrooms (ACEMMIV)
17. **2013:** Committee Member, Pre-conference Workshop on Regional Centres for Expertise (RCE);
18. **2013:** Committee Member, Rebranding of Centre for Kakamega Tropical Forest Studies (CAKATFOS);
19. **2012:** Committee Member-UNEP Project on Education for Sustainable Development, MMUST;
20. **2012:** Committee Member, 2<sup>nd</sup> Edition of Save the Kakamega Forest Marathon;
21. **2012:** Committee Member, International Conference on Tropical Forest Resources, MMUST;
22. **2011:** Committee Member, 1<sup>st</sup> Edition of Save the Kakamega Forest Marathon;

#### **U. COMMUNITY SERVICE**

1. **2019 to Present:** Chairman, Likuyani Welfare Action Group (LWAG)
2. **2011 to Present:** Chairman, St. John the Baptist Likuyani Secondary Old Students' Association;
3. **April, 2019:** SUSO Clean up Day promoting Sustainable Development Goal number 13 (Climate Action) held in Kakamega, Kenya

4. **2017, 2016:** Participant, Save the Kakamega Forest Marathon;
5. **2013-2015:** Member, Kakamega County Tree Planting Technical Committee (KCPTC);
6. **July, 2013:** Participant, Kakamega Town Clean-up by County Government of Kakamega/Centre for Kakamega Tropical Forest Studies (CEKATFOS)/Organization of Environmental Conservationists Club;
7. **2011 to Present:** Chairman, Likuyani Youth Empowerment Congress (LYEC);

#### **V. NEGOTIATED MEMORANDA OF UNDERSTANDING**

1. **2020** : Eco2librium Company Limited and Masinde Muliro University of Science and Technology (MMUST) ;
2. **2019** : Wildlife Clubs of Kenya (WCK) and Masinde Muliro University of Science and Technology (MMUST) ;
3. **2014** : Team member, Kenya Forestry Research Institute (KEFRI) and Masinde Muliro University of Science and Technology (MMUST) ;

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Signed: 

**Date:** 10/12/2023