

CURRICULUM VITAE FOR PROF. RUTH KAHUTHIA-GATHU (PhD)

1.1: PERSONAL INFORMATION

1.1.1: Prof. Ruth Kahuthia-Gathu

Associate Professor

Department of Agricultural Science and Technology (AST)

Official Address: Kenyatta University, School of Agricultural Science and environmental Sciences, PO Box 43844-00100 Nairobi, Kenya

Designation: Associate Professor

Email: gathu.ruth@ku.ac.ke

Area of Specialization: Agricultural Entomology

Research Interests: Use of natural enemy's in the management of arthropod pests. With a bias on Integrated Pest Management (IPM) strategies of the horticultural crops. Research in areas related in conservation of the natural enemies in order to reduce on pesticides, biological control, pest control. Sustain biodiversity, address food security and food safety

My Vision: To live a worthy life, mentor youth, teach, conduct research, publish and play a part in promoting food security in the country



Important web links

1. <https://agriculture.ku.ac.ke/index.php/faculty-profiles/faculty/89-faculty/13-dr-ruth-gathu>
2. **Google Scholar:** <https://scholar.google.com/citations?user=8nG5b0QAAAAJ&hl=en>
3. Open Researcher and Contributor ID (**Orcid ID**): <https://orcid.org/0000-0001-9621-5310>
4. **Research gate :** https://researchgate.net/profile/ruth_kahuthia
5. **Publons:** Web of Research ID AAZ-6285-2021 <https://publons.com/researcher/4691530/ruth-kahuthia/>
6. <https://loop.frontiersin.org/people/2325145/overview>

1. EDUCATION

1.1.2: Academic and Professional qualifications

- **April 2004-July 2007:** Doctorate in Horticultural Sciences (Agricultural Entomology) at Der Gottfried Wilhelm Leibniz Universität Hannover, Germany.
- **August 1997-December 2000:** Master of Science in Agricultural Entomology of Kenyatta University.
- **May 1984-May 1987:** Bachelor of Education Science (Bed. Sc.) Second class Honour's Upper Division, Kenyatta University
- **February 1981-November 1982:** Kenya Advance Certificate of Education (KACE): Moi Girls High School, Eldoret.
- **January 1977-Nov 1980:** Kenya Certificate of Secondary Education (KCSE): St Francis Girls, Mangu

Notes:

1. **Title of PhD thesis:** Importance of wild crucifers for diamondback moth, *Plutella xylostella* L. (Lepidoptera: Plutellidae) and its parasitoids in Kenya.
2. **Title of Masters thesis:** Evaluation of neem formulations for the control of selected pests of French beans (*Phaseolus vulgaris*)

1.1.3: EMPLOYMENT HISTORY/WORKING EXPERIENCE

July 2025 -to date Associate Professor : Department of Agricultural Science and Technology (AST) in the School of Agriculture and Environmental Sciences (SAES)

March 2015 to date Senior Lecturer: Department of Agricultural Science and Technology (AST) in the School of Agriculture and Environmental Sciences (SAES)

Units taught both Regular and Digital students

Graduate courses: **KST 806:** Insect Pests and management, **KST 809:** Integrated Pests Management, **KST 819:** Insect Physiology and Biochemistry, **KST 822:** Pests and pathogens of Stored Products, **KST 823:** Advanced Insect Morphology and taxonomy, **KST 824:** Insect ecology, **KST 826:** Arthropod Pests of plants, **KST 866:** Crop Pests and Disease Management

Undergraduate courses: **KST 208:** Insect Biology and Ecology, **KST 301:** Agricultural Entomology, **KST 407:** Integrated Pests and Disease Management Strategies, **KST 420:** Pests and Pathogens of Stored products

2009 - May 2013: School Examination Coordinator in School of Agriculture & Enterprise Development (SAED)

March 2009 – Dec 2014: Lecturer, Department of Agricultural Science and Technology in the School of Agriculture and Enterprise Development of Kenyatta University.

2009-2010: Departmental examination Coordinator in the Department of Agricultural Science and Technology (AST)

August 2008- to May 2009: Lecturer, School of Agriculture and Biotechnology, Moi University, Kabianga Campus

January 2000- 2004: Senior Research Assistant, at the International Centre of Insect Physiology and Ecology (ICIPE).

1987-July 1997: Head of Department (HOD) in guidance and Counselling, and a teacher in Biology and Geography at Kangaru and Kanunga high School.

University responsibility

July 2025 to date: Chairperson Kitui campus/ School advisory Committee

Nov 2024 to date: Deputy Director of Student Affairs in Kitui Campus

2024 to date: Chairperson of Curriculum committee in Department of Agricultural Science & Technology (AST).

2024-date: Member of curriculum committee in the School of Agriculture and Environmental Sciences (SAES)

2023 to date Female warden Kitui campus

2022 to date: Coordinator for KCU 400 Research project

2023- to date: Fourth years academic advisor

June 2015- to April 2021: Chairperson of Curriculum committee in Department of Agricultural Science & Technology (AST).

2010- to date: Subject head of Entomology in Department of Agricultural Science & Technology (AST)

2010 – to date: Member of Examination moderation committee in Department of Agricultural Science & Technology (AST).

2010 - to 2015: Member of staff recruitment, appraisal and promotion committee for both academic and non-academic staff in AST

2010 - Oct 2017: Coordinator Time tabling and unit allocation in Department of Agricultural Science & Technology

2010 - Oct 2015: Chairperson of Curriculum committee in Department of Agricultural Science & Technology (AST).

2010 - Oct 2015: Chairperson of the Department of Agricultural Science & Technology (AST) welfare club.

2010 – Oct 2015: Coordinator IBP Master's program in the Department of Agricultural Science & Technology

2009 - May 2013: School Examination Coordinator in School of Agriculture & Enterprise Development (SAED)

May 2009 - 2010: Departmental Examination coordinator in Department of Agricultural Science & Technology

2011-2012: Appointed deputy chair of the ad-hoc committee on the strategic plan for school of agriculture & enterprise development

2009-to date: Head of subject section of Agricultural Entomology

Short stints as acting Chairperson in the Department of Agricultural Science and Technology

Aug 2008- May 2009: Exam coordinator Department of Agriculture Moi University, Kabanga Campus.

2000-2004: Duty allocation, and supervision of staff, training, and mentoring undergraduate students (on attachment) at International Centre of Insect Physiology and Ecology (ICIPE).

1993-1997: Examiner with Kenya National Examination Council (KNEC). Biology and Geography examinations of Kenya certificate of Secondary Education (KCSE), and Primary Teacher Education (PTE) examinations.

1992- August 1997: Head of Department (HOD) Guidance and Counselling, Patron Geography club and Percussion Band at Kanunga High School

1.1.4: Major achievement since 2015

- 1. Deputy Director of Student Affairs, Kitui Campus**

2. **Teaching** both undergraduate and postgraduate students in KU
3. **2025:** Being ranked Number **44** in Kenyatta University, **629** in Kenya and **13,320** in the region, **641,041** in the world in AD Scientific Index Ltd. World Science and University rankings 2022. www.adscientificindex.com
4. **2024:** Being ranked Number **50** in Kenyatta University, **624** in Kenya and **13,428** in the region, **641,623** in the world in AD Scientific Index Ltd. World Science and University rankings 2022. www.adscientificindex.com
5. **2022:** Being ranked Number **54** in Kenyatta University, **638** in Kenya and **13,229** in the region, in AD Scientific Index Ltd. World Science and University rankings 2022. www.adscientificindex.com
6. **Supervision:** Successfully supervised **four** (4) PhD students and **twenty** (20) Masters students since joining KU in 2009.
7. **Published 40 (54)** publications in peer reviewed journals
8. **Published 24 (39)** publications in peer reviewed conference proceedings
9. **Published two (2)** project reports
10. **Google Scholar** with an H index of **16** and i10 index of **27**
11. **External Examiner:** University of Nairobi – Department of Crop Sciences
12. **Thesis Examiner:** Externally examined twenty-seven (27) theses from UON, JKUAT, Chuka and SEKU universities; and internally examined fifteen (15) Masters theses and two PhD
13. Participating in organizing **three** International Conferences, two from School of Agriculture and enterprise development (SAED) and one from Association of Kenyan Entomologists (AKE) and National Museums of Kenya (NMK)
14. Participated in organization of **Eastern and Central Region Drama Festival** held at Kenyatta University, Kitui Campus in March 2025
15. **Attending international conferences** and presenting research findings
16. **Papers** presentation in Conferences but not in proceedings
17. **Grants:** 2021- Principal Investigator: Won a Ksh. 20 Million grant from National Research Fund (NRF) on the Desert Locust (**Funds not disbursed**)
18. **KCU 400: Research Project Coordinator**
19. **Fourth year** academic advisor
20. **Consultancies** with various Government and international institutions -
21. **Trainings:** Training programme for Curriculum Development and Review, gender mainstreaming, Alcohol and drug abuse (ADA) and Mentorship programmes
22. **Training by KOICA:** “Driving Financial Inclusion Through a Policy Framework for Healthy and Sustainable Food Systems in Kenya”. Organized by Korea International Cooperation Agency (KOICA) in South Korea in October 2023 and June 2024

1.1.5: International Travel and Exposure

China, South Korea, India, Mauritius, Seychelles, Germany, Belgium, Switzerland, France, Tanzania, Uganda, Zanzibar, Zimbabwe

1.2: PUBLICATIONS

1.2.1 PEER REVIEWED JOURNALS

1. Fuchaka Waswa, Duncan Gichabe and Ruth Kahuthia-Gathu (2025): Landuse Changes and Implications for food production in peri-urban Ruiru Sub-County, Kenya: Journal of Kenya National Commission For UNESCO. <https://doi.org/10.62049/jkncu.v512.300>
2. Oliver Cramswel Genga, Namikoye Everlyne Samita, **Ruth Kahuthia-Gathu**, and Esther Ndaisi Kioko (2023). Biology of the Endemic Endangered Swallowtail Butterfly, *Papilio desmondi teita* (Lepidoptera: Papilionidae), on Wild Citrus Species in Taita Hills, Kenya, A Journal of Entomology, 11-14 DOI: [10.1155/2023/5538627](https://doi.org/10.1155/2023/5538627)
3. Oliver Cramswel Genga, Namikoye Everlyne Samita, **Ruth Kahuthia-Gathu**, and Esther Ndaisi Kioko (2023). Larval ecology and development of swallowtail butterfly, *Papilio nireus* (Lepidoptera: Papilionidae) on wild citrus species (Rutaceae) in Kenya. *Biologia*, 1-18. <https://doi.org/10.1007/s11756-023-01491-7>
4. Kavutu, A.M., Mwangi, M., **Kahuthia-Gathu, R.** and Wanjohi, W. (2023). Application of antagonistic bacteria in management of crown gall disease (*Agrobacterium tumefaciens*) on roses in Kenya. *Acta Hort.* 1378, 57-62
DOI: https://www.ishs.org/ishs-article/1378_8
5. Imbayi, B., **Kahuthia-Gathu, R.** and Mwangi, M. (2023). Effectiveness of pheromone traps in managing fruit flies (*Diptera: Tephritidae*) on mango (*Mangifera indica*) and cucurbits in Kenya. *Acta Hort.* 1378, 267-274
DOI: https://www.actahort.org/books/1378/1378_35.htm 10.17660/ActaHortic.2023.1378.35
6. Anyanda GN, Bruce AY, Makumbi D, Ahonsi M, **Kahuthia-Gathu R**, Namikoye ES, Beyene Y and Prasanna BM (2022) Reproductive potential of fall armyworm *Spodoptera frugiperda* (J.E. Smith) and effects of feeding on diverse maize genotypes under artificial infestation. *Front. Insect Sci.* 2:950815. <https://doi.org/10.3389/finsc.2022.950815>
7. Joseph Mulema, Roger Day, Winnie Nunda, Komivi Senyo Akutse, Anani Y. Bruce, Sospeter Gachamba, Solveig Haukeland, **Ruth Kahuthia-Gathu**, Staline Kibet, Asenath Koech, Thomas Kosiom, Douglas Watuku Miano, George Momanyi, Lucy Kananu Murungi, James Wanjohi Muthomi, Julianna Mwangi, Maina Mwangi, Nicholas Mwendu · John Huria Nderitu, Johnson Nyasani, Miriam Otipa, Sarah Wambugu, Eric Were, Fernadis Makale, Laura Doughty, Steve Edgington, Ivan Rwomushana, Marc Kenis (2022). Prioritization of invasive alien species with the potential to threaten agriculture and biodiversity in Kenya through horizon scanning. *Biol Invasions*, <https://doi.org/10.1007/s10530-022-02824-4>
8. Joseph Mulema, Roger Day, Winnie Nunda, Komivi Senyo Akutse, Anani Y. Bruce, Sospeter Gachamba, Solveig Haukeland, **Ruth Kahuthia-Gathu**, Staline Kibet, Asenath Koech, Thomas Kosiom, Douglas Watuku Miano, George Momanyi, Lucy Kananu Murungi, James Wanjohi Muthomi, Julianna Mwangi, Maina Mwangi, Nicholas Mwendu · John Huria Nderitu, Johnson Nyasani, Miriam Otipa, Sarah Wambugu, Eric Were, Fernadis Makale, Laura Doughty, Steve Edgington, Ivan Rwomushana, Marc Kenis (2021) Prioritization of Invasive Alien Species With Potential to Threaten Agriculture And Biodiversity in Kenya Through Horizon Scanning DOI:[10.21203/rs.3.rs-886417/v1](https://doi.org/10.21203/rs.3.rs-886417/v1)
9. W. Muthoni, **Ruth Kahuthia-Gathu**, M. Mwangi and J.W. Waceke (2021). Mechanisms of Action of *Pseudomonas fluorescens* Against *Fusarium oxysporum* f. sp phaseoli in vitro. *Research Journal of Agriculture* 8 (3): 1-13.

10. **Kahuthia-Gathu, Ruth** & Abonyo, Andrew & Sakalian, Vladimir & Georgiev, Georgi. (2021). New and Interesting Records of Jewel Beetles (Coleoptera: Buprestidae) from Kenya. *Acta Zoologica Bulgarica*. 479-480.
11. Barasa, M.W., **Kahuthia-Gathu, R.**, Mwangi, M. and Wanjohi, W. (2021). In Vitro Efficacy of Native Entomopathogenic Fungi Against Western Flower *Thrips Frankliniella Occidentalis* (Pergande) of Tomato in Kenya. *International Journal of Innovative Approaches in Agricultural Research*, 5(2): 194-202. DOI: [10.29329/ijiaar.2021.358.4](https://doi.org/10.29329/ijiaar.2021.358.4)
12. Musango, J.K., **Kahuthia-Gathu, R.** and Waceke, J.W. (2021). Indigenous fungi with antagonistic potential against potato cyst nematodes in Kenya RUFORUM Working Document Series (ISSN 1607-9345), 17 (2): 498-502. Available from <http://repository.ruforum.org>
13. Mulwa J., **Kahuthia- Gathu R.** and Kasina M. (2020). High Pollinator Diversity and Species Evenness Increases Avocado (*Persea Americana*) Yield. *African Journal of Horticultural Science*. 17:43-52.
14. Sammy Kiprotich Cheruiyot, **Ruth Kahuthia-Gathu**, Jenard Patrick Mbugi, Elliud Muli, H. Michael and G. Lattorff. (2020). Population abundance of *Varroa destructor* and its effects on *Apis mellifera scutellata* colonies in Kenya, *Experimental and Applied Acarology*, 82(2): 71-184. DOI: [10.1007/s10493-020-00548-5](https://doi.org/10.1007/s10493-020-00548-5)
15. Ofgaa Djirata, Emana Getu and **Ruth Kahuthia-Gathu**. (2019). A survey of geographical distribution and host range of white mango scale, *Aulacaspis tubercularis* Newstead (Hemiptera: Diaspididae) in Western Ethiopia *Journal of entomology and nematology*, 11 (5):59-65. DOI.org/10.5897/jen.2019.0228
16. **Kahuthia-Gathu, R.** and Othim, S. T. O. (2019). Effects of two cultivated Brassica sp. on the development and performance of *Diadegma semiclausum* (Hymenoptera: Ichneumonidae) and *Cotesia vestalis* (Hymenoptera: Braconidae) parasitizing *Plutella xylostella* (Lepidoptera: Plutellidae) in Kenya. *Journal of Economic Entomology*. 112, 2094-2102. <https://doi.org/10.1093/jee/toz144>
17. Joseph Mutunga Mulwa, **Ruth Kahuthia Gathu**, Nyamai Matolo, Mary Mwari Guantai and John Muo Kasina (2019). Avocado (*Persea americana*) floral calendar and diurnal visitation rates of its pollinators in Murang'a, Kenya. *Journal of Agricultural Research Advances*. 01 (1): 23-27.
18. M. W. Barasa, **R. Kahuthia-Gathu**, M. Mwangi and J. W. Waceke (2019). Tomato Production Characteristics, Biotic Constraints and their Management Practices by Farmers in Bungoma County, Kenya. *Journal of Natural Sciences Research*. 9 (12); 46-55. DOI:10.7176/JNSR/9-12-07
19. Othim, S.T.O., **R. Kahuthia-Gathu**, S. Ramasamy, T. Dubois, S. Ekesi, K.K.M. Fiaboe. (2019). The effects of pest-resistant amaranth accessions on the performance of the solitary endoparasitoid *Apanteles hemara* (Hymenoptera: Braconidae) against the amaranth leafwebber *Spoladea recurvalis* (Lepidoptera: Crambidae). *Environmental entomology* 48(1), 163-172. <https://doi.org/10.1093/ee/nvy183>
20. Othim, S.T.O., **R. Kahuthia-Gathu**, S. Ramasamy, T. Dubois, S. Ekesi, K.K.M. Fiaboe. (2019). Effect of host age and density on the performance of *Apanteles hemara* (Hymenoptera: Braconidae), a larval endoparasitoid of *Spoladea recurvalis* (Lepidoptera: Crambidae). *Journal of Economic Entomology* 112(5), 2131–2141. <https://doi.org/10.1093/jee/toz165>

21. Vo, Ndalo & **Kahuthia-Gathu, Ruth** & Mwangi, Maina. (2019). Population Growth of Tomato Leaf Miner Moth (*Tuta Absoluta*) within Loitokitok Kajiado County-Kenya. 9. 27-34. 10.7176/JBAH/9-22-04. <http://dx.doi.org/10.7176/JBAH/9-22-04>
22. Ndalo Victor, **Ruth Gathu** and Maina Mwangi. Prevalence of *Tuta absoluta* (Meyrick) and Chemical Management in Loitokitok, Kajiado County, Kenya. Journal of Biology, Agriculture and Healthcare www.iiste.org ISSN 2224-3208 (Paper) ISSN 2225-093X (Online) Vol.9, No.22, 2019.
23. **Kahuthia R.**, Abonyo A. and Imbayi B. (2019). Composition and diversity of xylophagous and predatory beetles in *Vachellia xanthophloea* (Benth.) P.J.H.Hurter (Fabales: Fabaceae) at Kenyatta University and Mitaboni, Kenya, Journal of Asia-Pacific Biodiversity, <https://doi.org/10.1016/j.japb.2019.03.006>.
24. Agong, S.O., **Kahuthia-Gathu, R.**, Mwangi, M. & Waceke, J.W. (2018). Evaluation of suppressive potential of selected plant species against *Phytophthora infestans* in vitro. RUFORUM Working Document Series (ISSN 1607-9345), 17 (2): 447-452. Available from <http://repository.ruforum.org>
25. Musango, J.K., **Kahuthia-Gathu, R.** & Waceke, J.W. (2018). Indigenous fungi with antagonistic potential against potato cyst nematodes in Kenya RUFORUM Working Document Series (ISSN 1607-9345), 17 (2): 498-502. Available from <http://repository.ruforum.org>.
26. Stephen T. O. Othim, Srinivasan Ramasamy, **Ruth Kahuthia-Gathu**, Thomas Dubois, Sunday Ekesi, and Komi K. M. Fiaboe. (2018). The Effects of Pest-Resistant Amaranth Accessions on the Performance of the Solitary Endoparasitoid *Apanteles hemara* (Hymenoptera: Braconidae) Against the Amaranth Leaf-Webber *Spoladea recurvalis* (Lepidoptera:Crambidae). Environmental Entomology, 48(1), 163–172. <https://doi.org/10.1093/ee/nvy183>
27. Othim, S.T.O., **R. Kahuthia-Gathu**, S. Ramasamy, T. Dubois, F.F. Dinssa, S. Ekesi, K.K.M. Fiaboe. (2018). Screening for resistance against major lepidopteran and stem weevil pests of amaranth in Tanzania. Euphytica, 214(10), 182. <https://doi.org/10.1007/s10681-018-2269-1>
28. Othim, S.T.O., **R. Kahuthia-Gathu**, S. Ramasamy, T. Dubois, S. Ekesi, K.K.M. Fiaboe (2018). Expression of resistance in *Amaranthus* spp. (Caryophyllales: Amaranthaceae): effects of selected accessions on the behavior and biology of the amaranth leaf-webber, *Spoladea recurvalis* (Lepidoptera: Crambidae). Insects 9 (2), 62. <https://doi.org/10.3390/insects9020062>
29. Othim, S.T.O., **R. Kahuthia-Gathu**, K.S. Akutse, Foba, C.N., K.K.M. Fiaboe (2018). Seasonal occurrence of amaranth Lepidopteran defoliators and effect of attractants and amaranth lines in their management. Journal of applied entomology 142 (7), 637-645. <https://doi.org/10.1111/jen.12513>
30. **Kahuthia-Gathu, R.**, Kirubi, DT. and Gitonga D. (2018). Composition and abundance of wood-boring beetles of *Acacia xanthophloea* and their associated natural enemies in Thika, Kenya. Journal of Asia-Pacific Biodiversity, 11: 248-254. <https://doi.org/10.1016/j.japb.2018.03.003>
31. **Kahuthia-Gathu, R.**, Kirubi, D. T., Wangu, L. and Kimani, R. (2018). Bostrichidae Beetles associated with *Acacia xanthophloea* in Nairobi and Machakos Counties, Kenya. PloS ONE 13(3): e0188773. <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0188773>
32. **Kahuthia-Gathu, R.**, Kirubi, D. T. and Nangalama D. (2018). Abundance and Distribution of Heterostigmatic Mites *Tarsonemus* Sp., on Wood-Boring Beetles Recovered from *Acacia*

- Xanthophloea* in Kenya. Journal of Biodiversity Management & Forestry. 7.1. DOI: 10.4172/2327-4417.1000192
33. Sammy Kiprotich Cheruiyot, H. Michael G. Lattorff, **Ruth Kahuthia-Gathu**, Jenard Patrick Mbugi, and Elliud Muli (2018). Varroa- specific hygienic behaviour of *Apis mellifera scutellata* in Kenya. *Apidologie*: 49:439-449. DOI:10.1007/s13592-018-0570-6
 34. Othim, S.T.O., K.M. Agbodzavu, **R. Kahuthia-Gathu**, K.S. Akutse, S. Muchemi, S. Ekesi, K.K.M. Fiaboe (2017). Performance of *Apanteles hemara* Nixon (Hymenoptera: Braconidae) on *Spoladea recurvalis* F. and *Udea ferrugalis* Hubner (Lepidoptera: Pyralidae). *Environmental Entomology* 20(10), 1–8. <https://doi.org/10.1093/ee/nvx156>
 35. **Kahuthia-Gathu R.** Maina Mwangi and Fiaboe M.O. (2017). Assessing and Enhancing Impact of *Cotesia vestalis* in the Management of Diamondback Moth *Plutella xylostella* on Kales in Semi-Arid Areas of Kenya. *Journal of Environmental and Agricultural Sciences*. Vol 11:1-13. <http://www.agropub.com/>
 36. Ofgaa Djirata, Emanu Getu and **Ruth Kahuthia-Gathu**. (2017). Association of a native predator *Chilocorus* sp. (Coleoptera: Coccinellidae) with a new exotic mango pest, *Aulacaspis tubercularis* Newstead (Hemiptera: Diaspididae) in Ethiopia. *Israel Journal of Entomology*, 47, 1–8
 37. **Kahuthia-Gathu, R.**, Nyambo, B. and Subramanian, S. (2017). Impact of introduced parasitoid *Cotesia vestalis* (Hymenoptera: Braconidae) on *Plutella xylostella* (Lepidoptera: Plutellidae) and its parasitoid guild on kale in semi-arid areas in Kenya. *International Journal of Tropical Insect Science*, 1-13. DOI:<https://doi.org/10.1017/S1742758417000091>
 38. Muui Nancy Nyaruai, Robert Kinyua, and **Ruth Gathu**. (2016). Factors affecting management of safety and health in the building construction industry in Nakuru County, Kenya. *International Journal of Innovation and Applied Studies* 18 (1), 83-89.
 39. Ofgaa Djirata, Emanu Getu and **Kahuthia-Gathu, R.** (2016). Trend in Mango Production and Potential Threat from Emerging White Mango Scale, *Aulacaspis tubercularis* (Homoptera: Diaspididae) in Central and Eastern Kenya. *Journal of Natural Sciences Research* 6 (7), 87-94.
 40. N. Njau, M. Mwangi, R. Kahuthia-Gathu, R. Muasya and J.N. Mbaka, 2015. Macropropagation technique for producing cost-effective healthy banana seedlings in Eastern and Central Kenya. In *Agricultural innovations for sustainable development, - contributions from the third Africa wide Women and young professionals in science competitions*. Volume 4: Issue 3. pp. 130 – 137
 41. L.K. Muriuki, George Muhia Kariuki, Z. M. Kinyua, **R.K. Gathu**, D.L. Coyne (2014). Management of Root Knot nematodes-Bacterial wilt Complex using resistant tomato varieties in Coastal Kenya. *Journal of Nematology* 46(2): 209.
 42. Carolyn W. Wangungu, Maina Mwangi, **Ruth Gathu**, and Reuben Muasya. (2014). Good Orchard Maintenance and Agronomic Practices as Working Components in Management of Dieback Disease on Passion Fruit (*Passiflora* sp.) in Kenya. *Annual Research & Review in Biology*. 4(9): 1397-1405. <https://doi.org/10.9734/ARRB/2014/5092>
 43. **Kahuthia-Gathu R.** (2013). Seasonal incidence of *Plutella xylostella* (Lepidoptera: Plutellidae) and its associated natural enemies in major crucifer growing areas of Kenya. *Journal of Plant Breeding and Crop Science*. *Journal of Plant Breeding and Crop Science*; Vol. 5 (5), 73-79. <https://doi.org/10.5897/JPBCS10.004>
 44. **Kahuthia-Gathu R.**, Gakunju R., Thungu J. and Okwarah P. (2013). Trends and emerging

- drugs in Kenya: A case study in Mombasa and Nairobi County. *Journal of Applied Biosciences*. Pg 5308 – 5325. <http://dx.doi.org/10.4314/jab.v67i0.95055>
45. Ndungu, S. K., I. Macharia, **R. Kahuthia-Gathu** and R. G. Wahome (2013). Impact of organic vegetable production system in Kiambu and Kajiado Counties of Kenya. *Journal of Environmental science and Engineering*. 2:256-266. DOI:10.17265/2162-5298/2013.04.007
 46. Luchidio M.T., **Kahuthia-Gathu R.** and Gatebe E.1 (2013). Impact of training boda boda operators and safety status in Kakamega County, Kenya. *International Journal of Advance Research, IJOAR .org* Volume 1, Issue 9, September 2013, Online: ISSN 2320-9151
 47. **Kahuthia-Gathu R.** (2011). Seasonal incidence of *Plutella xylostella* (Lepidoptera: Plutellidae) and its associated natural enemies in major crucifer growing areas of Kenya; *Journal of Applied Biosciences* 46: 3103– 3112 <http://dx.doi.org/10.5897/JPBCS10.004>
 48. Njeri Njau, Maina Mwangi, **Ruth Gathu**, Jesca Mbaka, Reuben Muasya, 2011. Banana weevil (*Cosmopolites sordidus*) reduces availability of corms for seedling production through macropropagation technology. *Journal of Animal and Plant Sciences* [ISSN 2071 - 7024] Volume 12(1): 1537 -1542.
 49. **Kahuthia-gathu R.**, Löhr, B., Poehling H-M. and Mbugua P.K. (2009). Diversity, distribution and role of wild crucifers in major cabbage and kale growing areas of Kenya. *Bulletin of Entomological Research*. 99 (3), 287-297 DOI: <https://doi.org/10.1017/S0007485308006305>
 50. **Kahuthia-gathu R.**, Löhr, B. and Poehling H-M. (2008). Effect of common wild crucifer species of Kenya on fitness of two exotic diamondback moth parasitoids, *Cotesia plutellae* and *Diadegma semiclausum*. *Crop Protection*. 27 (12), 1477-1484. <https://doi.org/10.1016/j.cropro.2008.06.003>
 51. Gichini, G., Löhr, B., Rossbach, A., Nyambo B. and **Gathu, R.** (2008). Can low release numbers of parasitoids lead to establishment? Case of *Diadegma semiclausum* in East Africa. *Crop Protection*. 27, 906-914. <https://doi.org/10.1016/j.cropro.2007.11.001>
 52. **Kahuthia-gathu R.**, Löhr, B. and Poehling H-M (2008). Development and reproductive potential of diamondback moth, *Plutella xylostella* L. (Lepidoptera: Plutellidae), on cultivated and wild crucifer species in Kenya. *International Journal of Tropical Insect Science*. 28,19-29. <http://dx.doi.org/10.1017/s1742758408901375>
 53. **Kahuthia-gathu R.**, Löhr, B. and Poehling H-M. (2008). Effect of common wild crucifer species of Kenya on fitness of two exotic diamondback moth parasitoids, *Cotesia plutellae* and *Diadegma semiclausum*. *Crop Protection*. 27 (12), 1477-1484. doi:10.1016/j.biocontrol.2010.05.019.
 54. Löhr, B., **Gathu, R.**, Kariuki, C., Obiero, J. and Gichini, G. (2007). Impact of an exotic parasitoid on *Plutella xylostella* (Lepidoptera: Plutellidae) population dynamics, damage and indigenous natural enemies in Kenya. *Bulletin of Entomological Research*. 97, 337-350. DOI: <https://doi.org/10.1017/S0007485307005068>
 55. Löhr, B. and **Gathu, R.**, (2002). Evidence of adaptation of Diamondback moth, *Plutella xylostella* (L.), to pea *Pisum sativum* L. *Insect Science and its Application*. 22, 161-173. DOI: [10.1017/S1742758400012017](http://dx.doi.org/10.1017/S1742758400012017)

1.2.2 Scholarly books chapters and books Published

2012: Kahuthia-Gathu Ruth: Importance of wild crucifers for diamondback moth, *Plutella*

xylostella L. (Lepidoptera: Plutellidae) and its parasitoids in Kenya. LAP LAMBERT Academic Publishing GmbH & Co. Number: 42351 ISBN: 978-3-8465-8231-2

2011: NACADA Authority, Gachutha, C., Baya J., Gakunju, **R., Gathu, R.**, Gachika, W., Njoka, C., Njani, E., Murimi, G. (2011). Peer educators training manual on alcohol and drug abuse; response to peer needs. Pg 95.

1.2.3 Scholarly Book Chapter

- **2025:** Gladys Cheruto, Emmanuely Z. Nungula, Lukelysia Nyawira, Luciana R. Chappa, **Ruth Kahuthia-Gathu**, Riziki Mwadalu, Jerry C. Dlamini, Shivani Ranjan, Sumit Sow, Sagar Maitra, Jamal Nasar, and Harun I. Gitari (2025). Agroforestry Tree Species: *Acacia tortilis*, Biology, Importance, Agroforestry Production, and Biotechnology Application. Springer Nature Singapore Pte 145 Ltd. 2025 R. K. Kalia, R. Pathak (eds.), Tree Biology and Biotechnology, https://doi.org/10.1007/978-981-96-0002-1_10

1.2.3. Conference Proceedings

Malaki p., Luswet A., Muthama E., Wasonga V., Bwong B., **Gathu R.**, Kirika P., Kioko G., Macharia J., Ngoka B., Namikoye S., Musila S., Nafula L., Kioko E. and Rucina S. eds. (2024) 1st Joint International Scientific Conference: Utilization Resources for Sustainable, Development, Nature Conservation, and Climate resilience. National Museums of Kenya. ISBN: 9966-955-27-5.

1.2.3: Refereed Learning Modules

I was involved in the development and revision of the following Modules for both undergraduate and post graduate students in the School of Agriculture and Environmental Sciences (SAES), that are used by regular and DSVOL students.

Undergraduate modules

- KST 208: Insect Biology and Ecology
- KST 301: Agricultural Entomology
- KST 407: Integrated Pests and Disease Management Strategies
- KST 420: Pests and Pathogens of Stored products

Postgraduate modules

- KST 806: Insect Pests and management
- KST 809: Integrated Pests Management Strategies
- KST 819 Insect Physiology and Biochemistry
- KST 822: Pests and pathogens of Stored Products
- KST 823: Advanced Insect Morphology and taxonomy
- KST 824: Insect ecology
- KST 826 Arthropod Pests of plants
- KST 866: Crop Pests and Disease Management

1.2.4 Reviewed Conference Papers

1. 2022 ISHS IHC Congress Angers France. A.M. Kavutu, M. Mwangi, R. Kahuthia Gathu and W. Wanjohi, 2022. Application of antagonistic bacteria in management of crown gall disease (*Agrobacterium tumefaciens*) on roses in Kenya.

2. 2022 ISHS IHC Congress Angers France. B. Imbayi, R. Kahuthia-Gathu and M. Mwangi, 2022. Effectiveness of pheromone traps in managing fruit flies (Diptera: Tephritidae) on mango *Mangifera indica* and cucurbits in Kenya.
3. **Genga, O.C**, Samita E.N., **Kahuthia-Gathu, R.** and Kioko E. (2022). Biology of swallowtail butterfly, *Papilio nireus* (Lepidoptera: Papilionidae) on Wild citrus in Kenya. In book of abstracts for 24th Meeting and Scientific conference of the African Association of Insect Scientists 21st to 25th March 2022, University of Addis Ababa, Addis Ababa, Ethiopia. 47.
4. Musango, J. K., Waceke, J. W., **Kahuthia-Gathu, R.** (2019). Occurrence and Abundance of Plant Parasitic Nematodes on Tree Tomato (*Solanum Betaceum* Cav.) in Kiambu and Embu Counties. Biennial research and innovation conference, Kenyatta University, Kenya from 23-25th October 2019.
5. M.W. Barasa, **R. Kahuthia-Gathu**, M. Mwangi and J. W. Waceke (2019). Management of insect pests of tomato using indigenous antagonistic fungi in Kenya. Biennial research and innovation conference, Kenyatta University, Kenya from 23-25th October 2019
6. Agong, S. O., Mwangi, M., **Kahuthia-Gathu, R.** and Waceke J. W. (2019). Influence of Potato Production Practices of the Occurrence of Potato Late Blight. Kenyatta University Biennial research and innovation conference 23-25th October 2019, Kenyatta University, Kenya
7. Kavutu, A. M., Mwangi, M., **Kahuthia-Gathu, R.** and Waceke J. W. (2019). Biocontrol Potential of Antagonistic Bacteria Against *Agrobacterium Tumefaciens* on Roses in Kiambu County, Kenya. Kenyatta University Biennial research and innovation conference 23-25th October 2019, Kenyatta University, Kenya
8. Imbayi B., **Kahuthia-Gathu, R.**, and Mwangi M. (2019). Use of Pheromone Traps in the Management of Fruit Flies (Diptera: Tephritidae) on Mangoes *Mangifera Indica* in Central Kenya. Kenyatta University Biennial research and innovation conference 23-25th October 2019, Kenyatta University, Kenya
9. Imbayi B., Ignatius Stella, **Kahuthia-Gathu, R.**, and Mwangi M. (2019). Pesticide Use Practices In Horticultural Crops Production In Central Kenya. Kenyatta University Biennial research and innovation conference 23-25th October 2019, Kenyatta University, Kenya
10. Barasa, W. M., **R. Kahuthia-Gathu**, Maina, M. and J.W.Waceke. (2019). Efficacy of indigeneous antagonistic fungi in management of *Frankliniella occidentalis* on tomato in Kenya. Contributed presentation during the 1st International Conference on Agroecology Transforming Agriculture and Food Systems in Africa. 18th-20th June, 2019. Safari Park Hotel & Casino, Nairobi, Kenya.
11. Barasa, W. M., **R. Kahuthia-Gathu**, Maina, M. and J.W.Waceke. (2018). Occurrence of arthropod pests and their management by tomato farmers in Bungoma County, Kenya. Contributed presentation during the 18th Workshop on Sustainable horticultural production in the tropics. 26th-30th November, 2018. Taita Taveta University, Voi, Kenya.
12. Barasa, W. M., **R. Kahuthia-Gathu**, Maina, M. and J.W.Waceke. (2018). Efficacy of entomopathogenic fungi in the control of Western flower thrips *Frankliniella occidentalis* in Kenya. Contributed presentation during the RUFORUM Biennial Conference. 22nd-26th October, 2018. Kenyatta International and Convention Centre (KICC), Nairobi, Kenya.
13. Barasa, W. M., **R. Kahuthia-Gathu**, Maina, M. and J.W.Waceke. (2018). Assessment of pests' incidence, pesticide use and application practices on tomato production in Bungoma County, Kenya. Contributed presentation during the 2nd International Phytosanitary Conference. 4th-8th June, 2018. KEPHIS Headquarters, Nairobi, Kenya.

14. Okwarah, P., R. Gakunju, R. **Kahuthia**, and J. Thungu (2017). Emerging drugs of abuse: Current perspective on substituted opiates, nicotine, cannabinoids and cathinone among the urban populations in Kenya. At the NIDA International Forum at Montreal Canada, in June 2017
15. **Kahuthia-Gathu R.**, Thungu, K.D., Kimani, R. and Wangu, L. (2016). Bostrichidae beetles associated with *Acacia xanthophloea* at Kenyatta University and Mitaboni in Nairobi and Machakos Counties, Kenya: 2nd biennial international conference held on 29th Nov- 2nd December 2016 at the Business and Student's Services Centre (BSC) Kenyatta University
16. Tarmogin, S. O., Komi, F. and **Kahuthia-Gathu, R.** (2016). Seasonal Abundance of Amaranth Lepidopteran Defoliators and the Role of Indigenous Parasitoids and Phenylacetaldehyde in their Control in Nairobi County, Kenya. 2nd biennial international conference held on 29th Nov- 2nd December 2016 at the Business and Student's Services Centre (BSC) Kenyatta University
17. Mwangi, G.I., Solveigh, and **Kahuthia-Gathu R.** (2016). Evaluating the potential of entomopathogenic nematode isolates in the management of fruit fly species in Nairobi County: 2nd biennial international conference held on 29th Nov- 2nd December 2016 at the Business and Student's Services Centre (BSC) Kenyatta University
18. Kariuki, A.N. and **Kahuthia-Gathu, R.** (2015). Evaluation of tomato leaf extract in management of cabbage aphid *Brevicoryne brassica* on kale in Nairobi County. 15th Workshop on Sustainable Horticultural Production in the Tropics. held on 1-4th Dec 2015 at Kenya Agricultural Research and Livestock Organization (KARLO), Kandara Center & Horticultural Research Institute (HRI), Murang'a County- Kenya
19. **Kahuthia-Gathu, R.** and Thungu, K.D. (2016): Families of powderpost beetles and their associated natural enemies on *Acacia xanthophloea* in Machakos and Nairobi Counties, Kenya – 16th Workshop on Sustainable Horticultural Production In The Tropics, Held on 28th November – 2nd December 2016 at Chuka University, Chuka – Kenya.
20. PA Nyamwamu, M. Mwangi, **R. Gathu**, and D. Miano. Transmission mechanisms of maize lethal necrosis disease (MNLN) in Kenya. Page 40 26. Papers presented at the Horticultural Association of Kenya annual symposium 2016. 16th workshop on sustainable horticultural production in the tropics. Held at Chuka University, 28th November – 2 nd December 2016.
21. Ndalo, V.O., **Kahuthia-Gathu, R.**, Maina, M (2016). Chemical Management of *Tuta absoluta* (Meyreck) in Loitokitok, Kajiado County, Kenya. Page 41. Papers presented at the Horticultural Association of Kenya annual symposium 2016. 16th workshop on sustainable horticultural production in the tropics. Held at Chuka University, 28th November – 2 nd December 2016.
22. Ndalo, V.O., Kahuthia-Gathu, R., Maina, M Chemical Management of *Tuta absoluta* (Meyreck) in Loitokitok, Kajiado County, Kenya. Page 41. Papers presented at the Horticultural Association of Kenya annual symposium 2015. 15th workshop on sustainable horticultural production in the tropics. Held at KALRO, Thika, Dec 2015. In Book of Abstracts
23. Omburo Stephen Tarmogin, **Kahuthia-Gathu R** and Fiaboe Komi (2015). "Performance of *Apanteles hemara* Nixon (Hymenoptera: Braconidae) on *Spoladea recurvalis* F and *Udea ferrugalis* Hubner (Lepidoptera: Pyralidae). 31st Conference of the Association of African Insect Scientist (AAIS) held in Cotonou, Benin from 19th-23rd October, 2015
24. Ndalo Victor, **Gathu-Kahuthia, R** and Mwangi Maina, 2014. Population Dynamics and Indigenous Parasitoid Guild of Tomato Leaf Miner (*Tuta Absoluta*) in Loitokitok, Kajiado County Kenya. AGRSC Book of Abstracts Page 131. International Conference on Building a New Generation of Agricultural Scientists. Kenyatta University, Nairobi, Kenya. 1 – 5, Dec 2014

25. **Kahuthia-Gathu R.**, Nyambo B. and Subramanian (2013). Impact of introduced parasitoid *Cotesia plutellae* on *Plutella xylostella* and its parasitoid guild on kale in semi-arid areas in Kenya. 11th African Crop science society conference in Entebbe, Uganda; from 14-17 October 2013.
26. S.K. Ndungu, I Macharia, **R. Kahuthis-Gathu** and R. Githaiga Wahome. (2013). Impact of organic vegetable production system in Kiambu and Kajiado Counties of Kenya. 11th African Crop science society conference in Entebbe, Uganda; from 14-17 October 2013.
27. **Kahuthia-Gathu R.**, Nyambo B. and Subramanian (2013). Spread and establishment of exotic parasitoid *Cotesia plutellae* on diamondback moth and parasitoid guild on kale in Semi-arid areas of Kenya Mount Kenya University, 1st International Research & Innovation Conference at Safari Park Hotel From 28th -30th Aug 2013.
28. Luchidio M. T., **Kahuthia-Gathu R.** and Gatebe (2013). Impact of training boda boda operators and safety status in Kakamega County, Kenya Mount Kenya University 1st International Research & Innovation Conference at Safari Park Hotel from 28th -30th Aug 2013
29. **Kahuthia-Gathu R.**, Gakunju R., Okwarah P., and Thungu J. (2013). The Trends and patterns of Emerging in Kenya. 2nd National Conference on Alcohol and Drug Abuse. Theme: The Youth and Drugs: A Call for action: at Moi International Sports Centre Kasarani Gymnasium on 10th -13th June 2013.
30. Ndungu, SK., Macharia, I. and **Kahuthia-Gathu R.** (2013). Analysis of profitability of organic vegetable production system in Kiambu Counties of Kenya. African Crop Science Conference Proceedings 11, 605-611
31. Wangungu, C.W., Mwangi, M., **Gathu, R. K.** Muasya, R. and Mbaka, J. (2012). Diversity of pathogens and symptoms associated with dieback on passion fruit in Kenya. Third RUFORUM Biennial Meeting 24 – 28th September 2012, Entebbe, Uganda. 1673-1677
32. **Kahuthia-Gathu R** and Maina Mwangi (2011). Studies on insect pests and diseases of chayote, *Sechium edule* (swartz.) In Kenya aGRO 2011 Biennial Conference ‘Optimization Of Agricultural Value Chains For Sustainable Development’ 26th – 28th September 2011
33. **Kahuthia-Gathu Ruth.** (2011). Seasonal incidence of *Plutella xylostella* Lepidoptera: Plutellidae) and its associated natural enemies in major crucifer growing areas of Kenya. 4th International e-Conference on Agricultural Biosciences.
34. C.W. Wangungu, M. Mwangi, **R. Gathu**, R. Muasya, J. Mbaka, & N. Kori. (2011). Reducing dieback disease incidence of passion fruit in Kenya through management practices; African Crop Science Conference Proceedings, 10th – 13th October 2011, Maputo, Mozambique. Vol. 10. pp. 1 - 4
35. Njeri Njau, Maina Mwangi, Ruth Gathu, Reuben Muasya, Jesca Mbaka, 2011. Assessing macropropagation technique for production of healthy banana seedlings. Proceedings of the 10th African Crop Science Conference 10th – 13th October 2011, Maputo, Moz. Pg. 248 – 249. www.acss2011moz.uem.mz/.../Volume%20of%20Abstracts%20&...
36. Carolyne W. Wangungu, **Ruth Kahuthia-Gathu** and Maina Mwangi, (2010). Studies on the die back disease of passion fruit in major production areas in Kenya Proceedings of the 3rd International e-Conference on Agricultural BioSciences Page: 68 – 69.
37. Njeri Njau, Maina Mwangi and **Ruth Kahuthia-Gathu** (2010). Evaluating health of macropropagated banana seedlings. Proceedings of the 3rd International e-Conference on Agricultural BioSciences. Page: 64 – 65.
38. Wangungu C.W., Maina. M, **Gathu R. K.**, Mbaka, J., and Kori J. N., (2010). Passion fruit production in Kenya: Opportunities and constraints. Contributions of Agricultural Sciences towards achieving the Millenium Development Goals pg. 55- 63.
39. Wangungu, C.W., Mwangi, M., Mbaka, J., Kori, N. and **Gathu, R.**, (2010). Studies on the etiology, epidemiology and management of dieback disease of passion fruit in Kenya. Second RUFORUM Biennial Meeting 20 - 24 September 2010, Entebbe, Uganda

40. Wangungu, C.W., Mwangi, M., Mbaka, J., Kori, N. and **Gathu, R.**, (2010). Biotic constraints to passion fruit production in central and eastern provinces of Kenya. Second RUFORUM Biennial Meeting 20 - 24 September 2010, Entebbe, Uganda. Pg 239-241
41. Njau N. Maina M., **Gathu R. K.**, Mbaka J. and Muasya R. (2010). Propagation of healthy banana seedlings in relation to pest and disease management. Contribution of Agricultural Sciences towards achieving the Millennium Development Goals Pg. 75 -86.
42. **Kahuthia-Gathu Ruth** (2006): Diversity, distribution and role of wild crucifers in major cabbage and kale growing areas of Kenya at the 5th International DBM Workshop in 24-28th October 2006: in Beijing, China
43. **Kahuthia-Gathu Ruth**. (2006). Diversity and role of wild crucifers in major crucifer growing areas of Kenya. 2nd National Biological Postgraduate Scientific Conference, Kenyatta University, Kenya from 8-10th Aug 2006.
44. Lohr Benhard and **Ruth Gathu**. (2004). Biological impact of the exotic diamondback moth parasitoid *Diadegma semiclausum* (Hellen) in Kenya. International Congress of Entomology, Brisbane, Australia 4 from 16-21st Aug 2004
45. Lohr Benhard and **Ruth Gathu**. (2003). Bio-control based IPM for the diamondback moth in Eastern and Southern Africa on IPM development and implementation in Africa Sept 2003.
46. **Ruth Kahuthia-Gathu**. (2000). Evaluation of neem formulations for the control of selected pests of French beans *Phaseolus vulgaris* Kenyatta University, Kenya from 9-12th Oct 2000

1.2.5 Short Communication in Journals

- **Ruth Kahuthia**, Andrew Abonyo, Vladimir Sakalian and Georgi Georgiev. (2021). New and interesting records of jewel beetles (Coleoptera: Buprestidae) from Kenya Acta Zoologica Bulgarica 73 (2) <http://www.acta-zoologica-bulgarica.eu/2021/002431>

1.2.6: Consultancy and Project Reports

- **July 2025:** participated in the review of the Food Systems Resilience Project (FSRP) DAT manual organized by the Ministry of Agriculture
- **May 2024:** Participated in the Development of an Integrated Pest Management (IPM) Curriculum in collaboration with CABI
- **May 2024:** Participated in the development of the Contingency plan (CP) for the Desert Locust a transboundary pest.
- **March 2024:** Participated in the validation of the Multi-Pest Surveillance tool in conjunction with Ministry of Agriculture and Livestock (MOAL) and Regional Centre for Mapping of Resources for Development (RCMRD)
- **January 2024:** Development of the Mango Value Chain Strategy for Kenya
- **May-Dec 2023** Participated in the development of the Contingency plan (CP) for the migratory pests African armyworm and *Quelea quelea* birds
- **June 2019:** Consultant in the review of Vice-chancellor's research grant proposals for Embu University
- **June 2013:** Team leader- Conducted a follow-up survey on the prevalence of alcohol and drug abuse for Kenya National Examination Council (KNEC)
- **2013:** Principal investigator on Study on emerging drugs in Nairobi and Mombasa Counties in Kenya. funded by NACADAA
- **2010:** Team leader in fact finding mission on the Extent of alcohol and drug abuse in Kenya funded by GJLOS

- **2010:** Conducted a survey on the extent and types of drugs abused by the Kenya National Library staff.

1.2.7: Non-reviewed Conference Papers

1. Murema et al., (2021). Prioritization of Invasive Alien Species With Potential to Threaten Agriculture And Biodiversity in Kenya Through Horizon Scanning,
2. Agong, S. O., Mwangi, M., **Kahuthia-Gathu, R.** and Waceke J. W. (2019). Influence of Potato Production Practices of the Occurrence of Potato Late Blight. Kenyatta University Biennial research and innovation conference 23-25th October 2019, Kenyatta University, Kenya
3. Kavutu, A. M., Mwangi, M., **Kahuthia-Gathu, R.** and Waceke J. W. (2019). Biocontrol Potential of Antagonistic Bacteria Against *Agrobacterium Tumefaciens* on Roses in Kiambu County, Kenya. Kenyatta University Biennial research and innovation conference 23-25th October 2019, Kenyatta University, Kenya
4. Imbayi B., **Kahuthia-Gathu, R.**, and Mwangi M. (2019). Use of Pheromone Traps in the Management of Fruit Flies (Diptera: Tephritidae) on Mangoes *Mangifera Indica* in Central Kenya. Kenyatta University Biennial research and innovation conference 23-25th October 2019, Kenyatta University, Kenya
5. Imbayi B., Ignatius Stella, **Kahuthia-Gathu, R.**, and Mwangi M. (2019). Pesticide Use Practices In Horticultural Crops Production In Central Kenya. Kenyatta University Biennial research and innovation conference 23-25th October 2019, Kenyatta University, Kenya
6. W. Barasa, **R. Kahuthia-Gathu**, M. Mwangi and J. W. Waceke. (2019). Management of insect pests of tomato using indigenous antagonistic fungi in Kenya. Kenyatta University Biennial research and innovation conference 23-25th October 2019, Kenyatta University, Kenya
7. **Kahuthia-Gathu, R.**, Kirubi, D. T., Wangu, L. and Kimani R (2016) Bostrichidae beetles associated with *Acacia xanthoploea* at Kenyatta University and Mitaboni in Nairobi and Machakos Counties, Kenya. Proceedings Of The 2nd Biennial International Conference On Enhancing Sustainable Agricultural Production And Marketing Systems Through Science, Technology And Innovations. Pg 133-151
8. Mulwa J, **R Gathu** and M Kasina (2016). Avocado (*Persea americana*) yield as influenced by pollinators in Kandara, Murang'a County, Kenya. The 2nd Biennial International Conference On Enhancing Sustainable Agricultural Production And Marketing Systems Through Science, Technology And Innovations, Pg. 336-339.

1.2.8: Thesis Publications

Thesis

3. **2007- PhD:** Importance of wild crucifers for diamondback moth, *Plutella xylostella* L. (Lepidoptera: Plutellidae) and its parasitoids in Kenya.
4. **2000- MSc:** Evaluation of neem formulations for the control of selected pests of French beans (*Phaseolus vulgaris*)

1.2.9: Editorship of a book or Conference Proceedings

1. Member of Editorial board for International Journal of Tropical Insect Science
2. member of the editorial board of the 1st Joint International Scientific Conference between Association of Kenya Entomologists (AKE) and the National Museums of Kenya (NMK):

1.2.10: Scholarly Presentations as Conference/Workshops/Seminars

1. June 2024: **Ruth Kahuthia-Gathu**. Presented Country report on Challenges facing Crop production in Kenya. Theme: "Driving Financial Inclusion Through a Policy Framework

- for Healthy and Sustainable Food Systems in Kenya”. Organized by Korea International Cooperation Agency (KOICA) in South Korea from 5th -18th June 2024
2. O.I. Omboye, M. Mwangi, **R. Kahuthia-Gathu** and V. Wekesa. (2024). Root rot remain a severe constraint of bean production in soilless culture. 1st Joint International Scientific Conference: Utilization Resources for Sustainable, Development, Nature Conservation, and Climate resilience from 3rd to 5th June 2024 at the National Museums of Kenya. Page 181.
 3. Mulwa J., Samita E.N., **Gathu R.K.**, Wasilwa L., Wesonga G., Guantai M., Muchemi S., Matolo N., Jeong I., Lee G. and Kasina M. (2024) Effectiveness of mating disruption technology in the management of Fall armyworm (*S. frugiperda*) infesting small holder farms in Masii, Machakos County. 1st Joint International Scientific Conference: Utilization Resources for Sustainable, Development, Nature Conservation, and Climate resilience from 3rd to 5th June 2024 at the National Museums of Kenya. Page 184.
 4. Anyanda G.N., Anani, Y. Bruce, Dan Makumbi, **Kahuthia-Gathu R.**, Namikoye E.S., and Prasanna B.M. (2024) Breeding for native genetic resistance to fall armyworm *Spodoptera frugiperda* (J.E. Smith) in late maturing tropical maize germplasm. 1st Joint International Scientific Conference: Utilization Resources for Sustainable, Development, Nature Conservation, and Climate resilience from 3rd to 5th June 2024 at the National Museums of Kenya. Page 186.
 5. Oliver C. Genga, E. Namikoye Samita, **Ruth Kahuthia-Gathu** and Esther N. Kioko (2024). Oviposition preference of endangered swallowtail butterfly, *Papilio desmondi teita* (Lepidoptera: Papilionidae) endemic to Taita hills on wild citrus species in Kenya. 1st Joint International Scientific Conference: Utilization Resources for Sustainable, Development, Nature Conservation, and Climate resilience from 3rd to 5th June 2024 at the National Museums of Kenya. Page 190.
 6. Oct 2023- **Ruth Kahuthia-Gathu** Presented “Country report on Mitigation of Post-Harvest Losses of Maize in Kenya. Theme: “Driving Financial Inclusion Through a Policy Framework for Healthy and Sustainable Food Systems in Kenya”. Organised by Korea International Cooperation Agency (KOICA) in South Korea from 12th -24th Oct 2023
 7. **Ruth Kahuthia-Gathu** and Maina Mwangi (2018). Impact of *Cotesia Plutellae* in the Management of *Plutella Xylostella* on Kale in Kenya. Global food security and food safety: The role of universities” Tropentag, September 17-19, 2018, Ghent, Germany – abstract.
 8. Othim, S.T.O., **R. Kahuthia-Gathu**, S. Ramasamy, T. Dubois, S. Ekesi, K.K.M. Fiaboe (2018). Screening for resistance in amaranths against *Spoladea recurvalis* and amaranth stem weevils in Arusha, Tanzania. University seminar, Kenyatta University 16th January 2018.
 9. Othim, S.T.O., **R. Kahuthia-Gathu**, S. Ekesi, K.K.M. Fiaboe (2017). Effect of Phenylacetaldehyde (PAA) attractant and selected amaranth lines on the populations and damage caused by amaranth lepidopteran defoliators in Central, Kenya. AIV-IPM end of project Workshop 12–14th December, Arusha, Tanzania.
 10. Othim, S.T.O., **R. Kahuthia-Gathu**, S. Ramasamy, T. Dubois, S. Ekesi, K.K.M. Fiaboe (2017). Performance of *Apanteles hemara* on *Spoladea recurvalis* in Kenya and on selected resistant amaranth accessions in Tanzania. AIV-IPM end of project Workshop 12–14th December, Arusha, Tanzania.
 11. Othim, S.T.O., **R. Kahuthia-Gathu**, K.K.M. Fiaboe (2016). Population dynamics of amaranth lepidopteran leaf webbers and the role of local parasitoids in their control in Nairobi County, Kenya. Kenyatta University seminar, 8th April 2016. Kenyatta University, Kenya.
 12. Othim, S.T.O., **R. Kahuthia-Gathu**, K.K.M. Fiaboe (2016). Seasonal abundance of amaranth lepidopteran defoliators and the role of indigenous parasitoids and

Phenylacetaldehyde in their control in Nairobi County, Kenya. Kenyatta University School of Agriculture Second Biennial International Conference, 29th November -2nd December 2016.

13. **Kahuthia-Gathu R.** (2016). Families of Powderpost beetles and their associated natural enemies on *Acacia xanthoploea* in machakos and Nairobi Counties, Kenya. 16th Workshop on Sustainable Horticultural Production in the Tropics at Chuka University, Chuka, Kenya. 28th Nov- 2nd December 2016.
14. **Kahuthia-Gathu R.** (2016). Assessing and enhancing impact of *Cotesia vestalis* in the management of diamond back moth *Plutella xylostella* on kales in semi-arid areas of Kenya. 5th National Science Week at KICC Nairobi Kenya. 16th 20th May, 2016.
15. Othim, S.T.O., **R. Kahuthia-Gathu**, K.S. Akutse, K.K.M. Fiaboe (2015). Performance of *Apanteles hemara* Nixon (Hymenoptera: Braconidae) on *Spoladea recurvalis* F. and *Udea ferrugalis* Hubner (Lepidoptera: Pyralidae). Presented at the 21 st Meeting and Conference of the Association of African Insect Scientists (AAIS), 19-23 October 2015 in Cotonou, Benin.
16. Nyambura, A. and **Kahuthia-Gathu, R.** (2015). Evaluation of tomato leaf extract in management of cabbage aphid *Brevicoryne brassica* on kale in Nairobi County. 15th Workshop on Sustainable Horticultural Production in the Tropics at Kenya Agricultural Research and Livestock Organization (KARLO), Kandara Center & Horticultural Research Institute (HRI), Murang'a County- Kenya from 1st -4th Dec 2015.
17. **Kahuthia-Gathu R.** (2015). Current research work on tomato leaf miner *Tuta absoluta*. Inception of the Tomato ARF Project at the at Jacaranda Hotel, Westlands, Nairobi County, Kenya. 11th September 2015.
18. **Kahuthia-Gathu R.**, Nyambo B, Subramanian S. (2014). Impact of introduced parasitoid *Cotesia vestalis* on *Plutella xylostella* and its parasitoid guild on kale in semi-arid areas in Kenya. International Conference on Building a New Generation of Agricultural Scientists. Kenyatta University, Nairobi, Kenya. 1 – 5, Dec 2014.
19. Ndalo, V.O., **Kahuthia-Gathu, R.**, Maina, M (2015). Chemical Management of *Tuta absoluta* (Meyreck) in Loitokitok, Kajiado County, Kenya. Page 41 - Horticultural Association of Kenya annual symposium 2015. 15th workshop on sustainable horticultural production in the tropics. Held at KALRO, Thika, Dec 2015. In Book of Abstracts-
20. Muriuki L.M., G.M. Kariuki, Z.M. Kinyua, **R. Gathu**, D.L. Coyne (2014). Evaluation of Tomato Cultivars for Resistance to Bacterial Wilt-root Knot Nematode Disease Complex in Kenya. International Conference on Building a New Generation of Agricultural Scientists. Kenyatta University, Nairobi, Kenya. 1 – 5, Dec 2014.
21. Ndalo Victor, **Gathu-Kahuthia, R** and Mwangi Maina, (2014). Population Dynamics and Indigenous Parasitoid Guild of Tomato Leaf Miner (*Tuta Absoluta*) in Loitokitok, Kajiado County Kenya. AGRSC Book of Abstracts Page 131. International Conference on Building a New Generation of Agricultural Scientists. Kenyatta University, Nairobi, Kenya. 1 – 5, Dec 2014.
22. Namikoye E. S., M. Kasina, M.W. Githendu, G. kariuki, R.K. Gathu, Z.M. Kinyua (2014). Population Dynamics and Management of *Frankliniella williamsi* (Thysanoptera: Thripidae) vector of maize chlorotic mottle virus. International Conference on Building a New Generation of Agricultural Scientists. Kenyatta University, Nairobi, Kenya. 1 – 5, Dec 2014.
23. J.R. M. Nyange, Z. Ng`anga` and **R. Kahuthia-Gathu** (2014). Latex Glove Allergy Amongst Health Care Workers in Thika District Level V Hospital, Kenya. 8th Egerton University International Conference Theme: Innovative Research and Technology for Global Development, 6th - 28th March, 2014
24. **Ruth Kahuthia-Gathu** (2013). Impact of introduced parasitoid *Cotesia plutellae* on *Plutella xylostella* and its parasitoid guild on kale in semi-arid areas in Kenya. 11th African

- Crop science society conference in Entebbe, Uganda from 14-17 October 2013.
25. S.K. Ndungu, I Macharia, **R. Kahuthia-Gathu**, R. Githaiga Wahome (2013). Impact of organic vegetable production system in Kiambu and Kajiado Counties of Kenya. 11th African Crop science society conference in Entebbe, Uganda from 14-17 October 2013.
 26. **Ruth Kahuthia-Gathu** (2013). Spread and establishment of exotic parasitoid *Cotesia plutellae* on diamondback moth and parasitoid guild on kale in Semi-arid areas of Kenya. Mount Kenya University 1st International Research & Innovation Conference at Safari park Hotel, Nairobi 28th -30th Aug 2013
 27. Luchidio M. T. and **R. Kahuthia-Gathu** (2013). Impact of training boda boda operators and safety status in Kakamega County, Kenya. Mount Kenya University 1st International Research & Innovation Conference at Safari park Hotel, Nairobi 28th -30th Aug 2013
 28. **Ruth Kahuthia-Gathu**, (2013). Trends and patterns of Emerging drugs in Kenya. A case study in Nairobi and Mombasa County. 2nd National Conference on Alcohol and Drug Abuse. Nairobi, Kenya from 10th -13th June 2013.
 29. **Ruth Kahuthia-Gathu** (2011). Insect pests and Diseases of *Sechium edule* in Kenya. *Agro 2011 Biennial conference "Optimisation of agricultural value chains for sustainable development. UON Kenya. 26th -28th Sept 2011* Poster Presentation
 30. Carol Wangari Wangungu Maina Mwangi, Mbaka, J., Kori, N. & **Gathu, R..** (2011). Studies on complexity of the dieback disease of passion fruit in Kenya. 4th Int. e-Conference on Agricultural Biosciences. Held online Aug 2011. <http://www.m.elewa.org/IeCAB-Abstracts-2011/IeCAB011-413.pdf>
 31. Njeri Njau, Maina Mwangi, **Ruth Gathu**, Reuben Muasya, Jesca Mbaka, (2011). Assessing macropropagation technique for production of healthy banana seedlings. Proceedings of the 10th African Crop Science Conference 10th – 13th October 2011, Maputo, Moz. Pg. 248 – 249. www.acss2011moz.uem.mz/.../Volume%20of%20Abstracts%20&...
 32. Njeri Njau, Maina Mwangi, Mbaka, J., **Gathu, R.** & Muasya, R. (2010). Biotic constraints to banana production in Eastern and Central Provinces of Kenya. Proceedings of the Second RUFORUM Biennial Meeting 20 - 24 September 2010, Entebbe, Uganda. Pp 267 – 269. <http://mak.ac.ug/documents/RUFORUM/NjeriBiotic.pdf>
 33. Wangungu, C.W., Maina Mwangi, Mbaka, J., Kori, N. & **Gathu, R..** (2010). Biotic constraints to passion fruit production in central and eastern provinces of Kenya. Proceedings of the Second RUFORUM Biennial Meeting 20 - 24 September 2010, Entebbe, Uganda. Pp 239 – 241. www.mak.ac.ug/documents/RUFORUM/WangunguBiotic.pdf
 34. Wangungu, C.W., Maina Mwangi, Mbaka, J., Kori, N. & **Gathu, R..** (2010). Studies on the etiology, epidemiology and management of dieback disease of passion fruit in Kenya. Proceedings of the Second RUFORUM Biennial Meeting 20 - 24 September 2010, Entebbe, Uganda. Pp 303 – 305. <http://mak.ac.ug/documents/RUFORUM/WangungaStudies.pdf>
 35. Njeri Njau, Mwangi, M., Gathu, R., Mbaka, J., Kori, N. & Muasya, R. 2010. Assessing effectiveness of macropropagation technology to produce healthy seedlings Mwangi Maina CV, Page 19 of 25 19 of banana varieties with high market demand in Eastern and Central provinces, Kenya. Proceedings of the Second RUFORUM Biennial Meeting 20 - 24 September 2010, Entebbe, Uganda. Pp 531 – 533. <http://mak.ac.ug/documents/RUFORUM/NjeriAssessing.pdf>

1.3 QUALITY TEACHING LEARNING AND MENTORSHIP

1.3.1: Student evaluation

1	2024-2025 Semester Two KST 420	100%
2	2024-2025 Semester Two KST 829	100%
3	2024-2025 Semester Two KST 208	85.5 %
4	2024-2025 Semester One KST 407	93%
5	2024-2025 Semester One KCU 400	85.5%
6	2023-2024 Semester Two KST 420	100%
7	2023-2024 Semester One KST 407	100%
8	2022-2023 Semester Two KST 809	94.3%
9	2022-2023 Semester Two KST407	– 98.2%
10	2022-2023 Semester Two KST208	– 94.02%
11	2022-2023 Semester Two KCU400	98.85%
12	2022-2023 Semester One KCU400	97.13%
13	2022-2023 Semester One KST 407	99.74%
14	2020-2021 Semester Two KST 208	= 99.34%
15	2019-2020 Semester One KST407	= 95.27%
16	2019-2020 Semester Two KST208	= 100%
17	2019-2020 Semester One KST823	= 93.10%
18	2018-2019 Semester One KST 301	= 96.33%
19	2018-2019 Semester Two KST208	= 92.51%
20	2017- 2028 Student evaluation KST 208	= 80%
21	Student evaluation KST 301-	95%
22	Student evaluation KST 101 -	95.1%

1.3.2: Training in Higher Education Teaching

- July 2025: Participated in sensitization workshop on automation of academic Programme Development and Review Process
- **19th June 2025:** Participated on academic programmes development and review system as per Commission of University Education (CUE) system
- **9th June-11th June 2025:** Participated in Competency based education training and assessment (CBETA)
- **5th– 18th June 2024:** attended training in South Korea on Driving Financial Inclusion through a Policy Framework for Healthy and Sustainable Food systems in Kenya 22-24
- **12th -24th Oct 2023:** attended training in South Korea on Driving Financial Inclusion through a Policy Framework for Healthy and Sustainable Food systems in Kenya 22-24
- **16th May 2021:** Training on national research fund online grant management system
- **January 2019:** Trainer of trainer’s workshop for staff mentors and growing leadership
- **31st May 2018.** Awareness training on ISO 27001, Information Security Management Systems (ISMS)
- **26th January 2018-** Staff mentor’s seminar organised by KU Mentoring Programme.
- **26th -27th July 2016:** Attended a certificate training course on Chemical Security and Safety training at Kenyatta University facilitated by Civilian Research and development Foundation (CRDF) - Global
- **10th Oct 2015:** Training Programme for Curriculum Development and Review- Center For Teaching Excellence and Research Training, Kenyatta University
- **13th -16th October 2015-** Attended a certificate training course on “Communication with

users of Knowledge” held at the World Agroforestry Centre (ICRAF), Nairobi, Kenya

- **13- 15th Jan 2014.** Participated in Kenyatta University- AGRA- Wagenigen UR training Workshop on Competence and Skills training for PhD supervisors and Established Scientists Theme: Rise to the Challenge
- **4th – 7th June 2013:** Attended training on Teaching Methodology, Testing and Evaluation of Institutions of Higher Learning organised by Centre of Excellence and Evaluation (CTEE) at the Student’s Business Centre, Kenyatta University
- **April 2014:** Attended awareness and empowerment training entitled “Information Literacy Training and the Insightful training on the access and the rich data bases at the post modern library of Kenyatta University
- **February 2014:** Trained on the application of the Smart Board as a teaching tool at Kenyatta University
- **3rd – 4th June 2013:** Attended ACU 2nd Training of Trainer of Trainers (TOT) on HIV mainstreaming and integration into the Curriculum at the Student’s Business Centre, Kenyatta University.
- **20th – 22th May 2013:** Facilitated in a training course on possibilities for improvements to species diversity modelling at International centre of insect physiology and ecology (ICIPE)
- **19th -22nd August 2011:** Prevention Science training on workplace Alcohol and drug Abuse interventions, Nairobi. Held at KUCC, Kenyatta University
- **11th – 22nd August 2008:** Certificate course on Trainer of Trainers in Alcohol and Drug abuse
- **Aug 2000:** Horticultural crop production and Post harvest technology, Egerton University
- **27th April -3rd may 1997:** Attended in –Service course for guidance and counselling teachers organised by Ministry of Education at Kagumo High School.

1.3.3 Ongoing Supervision (Masters and Doctorate)

1.3.3.1. Masters supervision (Ongoing)

1. Mpawenimana Alexis A145/EA/20983/2020: **Title:** Environmentally friendly options against the Fall armyworm *Spodoptera frugiperda* (J.E Smith) (Lepidoptera: Noctuidae) on maize in Imbo plain, Burundi **Submitted**
2. David Muriithi Gicheha A145/21925/2022 **Title** Pest status, pesticide residues and yield in pulses grown under different climate – smart Agriculture practices for enhanced and resilient production, Muranga County
3. Fridah Murugi Muriithi A145/20768/2022: **Title:** Effectiveness of entomopathogenic fungi in the management of the *Necrobia rufipes* and *Tribolium castaneum* on the dried black soldier fly in Nairobi County, Kenya
4. Geoffrey Gikunda A145/OL/CTY/28846/2019” **Title:** Influence of Agricultural Biodiversity on Disease and Pest Management within Different Coffee Production Systems in Central Kenya
5. Hitimana Celestin A145/EA/20980/2020: **Title:** Fall armyworm *Spodoptera frugiperda* (J.E Smith) (Lepidoptera: Noctuidae) distribution, damage yield loss and associated natural enemies in Imbo plain in Burundi
6. Chirchir Jackline A145/ 26645/2019: **Title:** Population dynamics of *Tuta absoluta* Meyrick, *Helicoverpa armigera* Hubner and their associated parasitoids on different tomato cultivars in Machakos County, Kenya
7. Imbayi Berice Makongo A145/27703/2018: **Title:** Effectiveness of Pheromone Traps in Management of Tephritid Fruit Flies on Mangoes in Murang’a and Kirinyaga Counties, Kenya

8. Andrew Obonyo Adum A145/38268/2016. **Title:** Species diversity of xylophagous beetles on *Acacia xanthophloea* and their associated natural enemies in Nairobi, Isiolo and Nakuru Counties, Kenya.
9. Mbau Gladys Wacera A145/OL/NKU/26796/2015: **Title:** Arthropod pest incidences, management and yield of strawberry grown in hydroponic and soil cultures in Nyandarua County, Kenya

1.3.3.2 Ongoing (PhD)

1. Joseph Mulwa. A99/20769/2022: Thesis title: Performance of selected IPM practices against the fall armyworm *Spodoptera frugiperda* J.E. Smith on maize in Machakos County, Kenya

1.3.4.1: Masters (Graduated)

- 1 Geoffrey Ayanda Nyapom A145/25901/2018: **Title:** Maize variety performance under fall armyworm *Spodoptera frugiperda* infestation in five maize growing agro-ecologies in Kenya – **GRADUATED in July 2024**
- 2 Oliver Cramswel Genga A145/25177/2018: **Title:** Biology and molecular characterization of swallowtail butterfly, *Papilion desmondi teita* and *Papilio nireus* on wild citrus in Ngangao, Taita Taveta County. **GRADUATED IN December 2023**
- 3 Musango Kavenya Jane A145/37896/2016: **Title:** Prospecting putative nematophagous fungi in management of potato parasitic nematodes in Nyandarua and Nakuru Counties, Kenya **GRADUATED in December 2021**
- 4 Teresia Muthoni Wanjiru A145/OL/CTY/32298/2016: Title: Effects of *Pseudomonas fluorescens* and neem powder in management of *Fusarium solani* on French Beans in Kirinyaga county, Kenya **GRADUATED in December 2021**
- 5 Stephen Agong A145/37650/2016: **Title:** Development of biological control of *Phytophthora infestans* on potato through antagonistic fungi in Kiambu County, Kenya **GRADUATED in December 2021**
- 6 Victor Ndalo: A146/23315/2012: **Title:** Population dynamics and indigenous parasitoid guild of tomato leaf miner *Tuta absoluta* in Loitokitok, Kajiado County Kenya **GRADUATED in July 2021**
- 7 Cheruiyot Sammy I56/CE/25317/2013: **Thesis title:** Population dynamics of Varroa destructor and its influence on colony performance of east African honey bees *Apis mellifera scutellata* in Nairobi County, Kenya. **GRADUATED in December 2020**
- 8 Stephen Barasa A145/38309/2016: **Thesis title:** Efficacy of entomopathogenic fungi in management of tomato and groundnut pests in Bungoma County, Kenya **GRADUATED in December 2020**
- 9 Aprodia Kavutu A145/38267/2016: **Thesis title:** Impact of management practices and antagonistic effect of bacterial isolates against crown gall of roses in Nakuru and Laikipia Counties, Kenya. **GRADUATED in December 2020**
- 10 Joseph Mulwa Mutunga A145/CE/26556/2013: **Thesis title:** Determining pollinators and pollination syndrome of avocado *Persia americana* in Murang'a County, Kenya **GRADUATED in December 2019**
- 11 Lilian Kanyiri Muriuki. A146/22969/2012. **Thesis title:** Use of tomato and pepper cultivars in the management of bacterial wilt-root knot disease complex in the coastal region of Kenya. **GRADUATED in December 2018**
- 12 Muui Nancy Nyaruai. EET32-C008-0170/2011. **Thesis title:** Challenges of Managing Safety and Health in Building Construction Industry in Urban Areas in Kenya, Case Study of Nakuru Municipality. **GRADUATED in July 2018**
- 13 Benjamin Kilonzo Muia. EET32-0340/2010. **Thesis title:** Factors contributing to inconsistent use of personal protective equipment by Kenya Power linesmen in Nairobi

and Western regions of KENYA. **GRADUATED in December 2016**

- 14 Omburo Stephen Tarmogin: A146/23316/2012: **Thesis title:** Distribution, population dynamics and management of webworm *Spoladea (Hymenia) recurvalis* on Amaranth. **GRADUATED in December 2016**
- 15 Samuel Kiruku Ndungu. A103/14177/2009. **Thesis title:** Economic analysis and appraisal of smallholder organic vegetable production system in Kiambu and Kajiado Counties of Kenya. **GRADUATED in July 2015**
- 16 Theobald Musungu Luchidio: **Thesis title:** Assessing the training and safety status of motorcycle transportation in Kakamega County in Kenya. **GRADUATED in June 2015**
- 17 Jonah Reuben Mwapoo Nyange. EET32-0171-2009. **Thesis title:** Studies on latex glove allergy among health care providers: a study in Nairobi Kenya. **GRADUATED in June 2014**
- 18 Carolyne Wangari Wangungu. A144/12216/2009: **Thesis title:** Etiology, epidemiology and management of dieback disease of passion fruit (*Passiflora* spp) in Central and Eastern regions, Kenya **GRADUATED in December 2013**
- 19 Njau Njeri. A144/13606/2009: **Thesis title:** Determination of the effectiveness of crop propagation technique in production Of healthy banana seedlings in Eastern and Central Provinces, Kenya. **GRADUATED in June 2013**

1.3.4.2: PhD GRADUATED

1. Paul Ateng'a Nyamwamu A99/28498/2014: **Thesis title:** Transmission mechanisms of Maize Lethal Necrosis Disease in Kenya **Graduated, December 2024.**
2. Geoffrey Ongoya Wafula A99/30848/2015: **Thesis title:** Effect of integrating selected plant essential oils, soil improvers and bio-stimulants on management of soil-borne pathogens and insect pests of tomato in Mwea, Kirinyaga county. **Graduated July 2022**
3. Omburo Stephen Tarmogin: A99/38397/2016: **Thesis title:** Identification of Amaranth Germplasm resistant to leaf webber and stem weevils in Arusha, Tanzania **GRADUATED IN December 2020**
4. Dako Ofgaa Djirata: **Thesis title:** Bionomics of White Mango Scale, *Aulacaspis tubercularis* Newstead (Homoptera: Diaspididae) and Its Impact on the Business Potential of Mango Farm in Western Ethiopia and Kenya. University of Addis Ababa, Ethiopia, June 2017. **GRADUATED IN June 2017**

1.3.4.3 Internal examiner of Masters and PhD thesis

1.3.4.3.1 PhD Thesis (internal Examiner)

1. **October 2023**_PHD-111-2023 PhD thesis securitization of desert locust risk management and human security in Kenya
2. **March 2012**; Kiatoko Nkoba Phd Thesis: Studies on The Distribution, Behavioural Biology, Rearing and Pollination Efficiency of Five Stingless Bee Species (Apidae: Meliponinae) In Kakamega Forest, Kenya

1.3.4.3.2 Master's thesis (Internal examiner)

1. **March 2024**: MTH-049-2024: MSc thesis titled Pest population and yield dynamics of selected African indigenous vegetables and pulses under different climate-smart agricultural practices in Murang'a County, Kenya
2. **July 2022**: M/TH/139/2022_MSc Thesis titled characterization and fungicide sensitivity

of tomato isolates of *Alternaria solani* Soranauer in Kajiado, Kiambu and Kirinyaga counties in Kenya

3. **March 2022:** MTH- 059-2023 MSc Thesis titled: Virulence, Diversity and Management of *Fusarium oxysporum* f.sp. *cubense* infecting Bananas in Selected Counties in Central and Eastern Kenya
4. **March 2022** M/TH/061/2022 MSc. Thesis titled On-farm integrated management of fruit flies (Tephritidae) infesting pumpkins (*Curcubita maxima* Duch,) in Machakos county, Kenya
5. **November 2017:** Janet Gesare, MSc student thesis titled Characteristics of soil nematode communities under organic and convectional farming systems in Chuka, Tharaka Nithi County, Kenya.
6. **November 2016:** Muniyasi Tom A144/OL/22362/2011 MSc thesis titled “Effects of inorganic nitrogen fertiliser on root knot nematode *Meloidogyne* spp. In green pepper *Capsicum annuum* L. production in Kenya”
7. **May 2016:** Catherine Gacheri Guantai, MSc Thesis titled: Effects of Mesh size and cover duration of low cover Agronets on cabbages pests and their natural enemies
8. **May 2016:** Masiga Rose ojwang MSc Thesis titled Diversity and abundance of bees and their effect on yield of French beans *Phaseolus vulgaris* L. in North eastern slopes of Mount Kenya Forest
9. **May 2015:** Onyango Judith Adthiambo, MSc thesis titled: Species composition and infection rate of mosquitoes and sand flies in a high natural background radiation area of Mrima Hill, Kwale County, Kenya
10. **May 2015** Kariuki Pauline M. MSc Thesis: Evaluation of tomato cultivars for resistance to *Fusarium oxysporum* AND *Meloidogyne* spp. in the Coastal Region of Kenya
11. **February 2014** Mateus Jossias Matusso A MSc Thesis titled: Effects of Maize Zea mais – Soybean Glycine max intercropping patterns on yields and soil properties in two contrasting sites of Embu and Meru Counties, Kenya
12. **January 2014:** Wendoh Kibet Philip. Master’s thesis titled: Identification of tomato fields infested with root-knot nematodes (rkn) using soil characteristics in Mwea, Kirinyaga County
13. **Sept 2013:** Momo, Jobson Aruna. A144F/22636/2011. Master’s thesis titled: Effect of withholding irrigation water after complete heading on rice yield and seed quality in Mwea, Kirinyaga County Kenya
14. **June 2012:** Mr Ahmed Shwagi A103/13349/2009 Msc. Thesis titled: Financial Analysis of Sesame Crop Value Chain: A Case Study of Kordofan Region, Sudan
15. **Jan 2012;** Mr Mwangi James Njogu Msc. Master’s thesis titled: Effects of combined leaves and leaves extract on growth rate (mass and height) of selected non-leguminous plants and soil ph.
16. **December 2011:** Kurui Naumy Jemutai, Master’s thesis titled: Evaluation of pesticides safety measures among potato farmers in Chebiemit Division, Elgeyo Marakwet County
17. **July 2011:** David Odthiambo Chiawo. Master’s thesis titled: Composition and floral resources of bees and butterflies in Kaya muhaka forest and surrounding farmlands, Kwale County, Kenya
18. **Feb 2011:** David Nderitu Muchemi EET32- 0028/2007: Master’s thesis titled: “The impact of workplace on temperatures on workers’ comfort in tea factories’

1.4.1: Networks and Collaborations

1.4.2: Editorial board/Referee/ reviewed for Professional Periodicals

1. **March 2023:** Reviewed Manuscript for CABI on Optimization of African Indigenous

Vegetables production in Sub Saharan Africa -A review.'

2. **2022- to date** – Editorial board of Journal of Tropical Insect Science
3. **2020.** Participated in the final Review of the National Research Fund (NRF) proposal on the Desert Locust in 2020
4. **February 2019:** Reviewed manuscript for Agricultural and Forest Entomology; "Crop diversification and pest management: an analysis on fall armyworm (*Spodoptera frugiperda* Smith) in Quelimane, Mozambique" for Agricultural and Forest Entomology.
5. **January 2019:** Reviewed Manuscript ID JEN-2019-0007.R1, for Journal of Applied Entomology; "Disentangling factors limiting diamondback moth, *Plutella xylostella* L. spatio-temporal population abundance: a tool for pest forecasting"
6. **November 2017:** Reviewed manuscript for the BICONTROL Journal: BCON-17-513; Factors influencing the parasitism rates by the larval parasitoid complex of *Plutella xylostella* (L.) in Southern Brazil and consequences for pest management.
7. **December 2016:** Reviewer for the 1st call of National Research Fund (NRF) proposals for 2016/2017 Financial year at Nairobi safari Club, Lillian Towers, Nairobi Kenya.
8. **August 2015:** Reviewed a proposal for the 2015 KU Vice-chancellor's Research Grant; titled "Upgrading value chain for improved milk production and marketing in Machakos County, Kenya
9. **February 2013:** Reviewed dossier on request for permission to import, *Phytoseiulus swirskii* for the control of thrips and white flies for KEPHIS and KSTCIE
10. **March 2011:** Reviewed dossier on application for Country wide releases of *Fopius arisanus* (Sonan) (Hymenoptera: Braconidae) for biological control of the invasive fruit fly species *Bactrocera invadens* (Diptera: Tephritidae) for KEPHIS and KSTCIE
11. **February 2011:** Reviewed dossier on Post release monitoring report on *Phaenotoma scabriventris* (Nixon) (Hymenoptera: Braconidae), a biological control agent of the invasive Liriomyza leaf miner in Central for KEPHIS and KSTCIE
12. **January 2011:** Reviewed dossier on "application for field release permit for *Diachasmimorpha longicaudata* (Ashmead) (Hymenoptera: Braconidae), a biological control of the invasive fruit fly species *Bactrocera invadens* Drew, Tsuruta & White (Diptera: Tephritidae) for KEPHIS and KSTCIE
13. **June 2009:** Reviewer: HortScience on "Impact of western flower thrips (*Frankliniella occidentalis*) and bean flower thrips (*Megalurothrips sjostedti*) (Thysanoptera: Thripidae) on growth and yield of French beans (*Phaseolus vulgaris*) in monocrop and intercrop systems.

1.4.3 Consulting for International and National Boards

1. **2008 to 2016:** Consultant for the National Campaign Against Drugs Abuse Authority (NACADAA)

1.4.4: Consulting for International/ local Organization/Institutions

1. **Ministry of Agriculture and Livestock Development (MOALD)**- 18th -24th August 2024: Participated in the development of Action Plan on the management of invasive pests and weeds
2. **CABI** 12th -15th August 2024: participated in a workshop for the validation and development of the IPM curriculum and training guide
3. **Ministry of Agriculture and Livestock Development (MOALD)**- May 2024- Participated in the development of Contingency Plan for the desert locust *Schistocerca gregaria*
4. **CAB International:** May 2024: Development of a Curriculum for Integrated Pest Management strategies for extension service providers
5. **Ministry of Agriculture and Livestock Development (MOALD)**- Jan 2024. Participated in the development of the Mango Value Chain Development Strategy
6. **Korea Cooperative Agency (KOICA)** 2022- Oct 2023- Participated in Country and

Invitational Program to South Korea on “Driving Financial Inclusion Through a Policy Framework for Healthy and Sustainable Food Systems in Kenya”

7. **Ministry of Agriculture and Livestock Development (MOALD)**- 2023- Participated in the development of Contingency Plan for migratory pests *Quelea quelea* birds in Kenya
8. **Ministry of Agriculture and Livestock Development (MOALD)**- 2023- Participated in the development of Contingency Plan for migratory pests the African army worm *Spodoptera exigua* in Kenya
9. **Ministry of Agriculture and Livestock Development (MOALD)**- Aug-Dec 2023 participated on Integrated Multi-Pest Monitoring and Reporting Tool
10. Consulting for AATF – made a presentation on the desert locust *Schistocerca gregaria*
11. Consulting for Kenya Plant Health Inspectorate Services (KEPHIS) – reviewing of various dossier on request of importation of natural and release of natural enemies in Kenya
12. **June 2023**- Review of the technical report on the golden apple snails in Kenya for KALRO
13. **CABI**- 2018- Participated in Prioritization of Invasive Alien Species with potential to threaten agriculture and biodiversity in Kenya through horizon scanning
14. **Feb 2021**: Participated in the prioritization and ranking of the National research fund (NRF) Desert locust short term and long term proposals
15. **May 2020** Reviewed a Dossier for KEPHIS from KARLO and CABI on Application for the importation of *Eiphosoma laphygmae* Costa Lima (Hymenoptera: Ichneumonidae) Parasitoid of Fall Armyworm *Spodoptera frugiperda* (J.E. Smith) (Lepidoptera: Noctuidae).
16. **2008 to 2016**: Consultant for the National Campaign Against Drugs Abuse Authority (NACADAA)

1.4.5 Membership of Academic/Professional Bodies

- 2023- to date: Vice chairman of Association of Kenyan Entomologists (AKE)
- **2019- to date**: Women Educational Researchers of Kenya (WERK)
- **2019 to date**: Vice Chairman Entomological Society of Kenya
- **2020 to date**: Association of Africa Insect Science (AAIS)
- **Life Member**: The Kenya Society for Deaf Children (KSDC)
- **2012 to date**: Member of Horticultural association of Kenya (HAK)
- **2013 to date**: Member of Association of Africa Crop Science Society (ACSS)
- **2008 to date**: Member of Women Organizing Change in Agriculture and Natural Resource Management (WOCAN)
- **2006 to date**: Member of The International Working Group for the Diamondback Moth

1.4.6 Any Other Editorship/Peer Reviewer, External Examiner

1.4.6.1 Reviewer

1. **2021-todate: International Journal of Tropical Insect Science** – part of the consortium as manuscript reviewer and editorial team
2. **May 2020** Reviewed a Dossier for KEPHIS from KARLO and CABI on Application for the importation of *Eiphosoma laphygmae* Costa Lima (Hymenoptera: Ichneumonidae) Parasitoid of the Fall Armyworm *Spodoptera frugiperda* (J.E. Smith) (Lepidoptera: Noctuidae).
3. **July 2019**: Reviewed VCs research grant proposals for Embu University
4. **2022** Manuscript review for CABI- - Growth and Yield Performance of Carrot (*Daucus carota* L.) as Affected by Plant Population Density in Dessie City, North eastern Ethiopia

1.4.6.1 External Examiner

1. **October 2019-to date:** External examiner of Department of Plant Sciences and Crop Protection **University of Nairobi (UON)**,
2. **1997:** Examiner for the Primary Teacher Education (PTE) in Kenya.
3. **December 1993- 1997:** Examiner with the Kenya National Examination Council (KNEC) in KCSE Biology and Geography

1.4.6.2: Master's / PhD Thesis (External Examiner for Chuka, JKUAT and UON)

PhD external examiner

1. Aug 2025: External examiner for Chuka University Stephen Murimi Muthoni AM28967/16 MSc thesis titled Spartial-temporal variation of forest cover and its implication on tree species diversity in Irangi forest, Embu County, Kenya
2. Aug 2025: External examiner for Chuka University Ann Gatwiri Ngai AM15/35722, MSc thesis titled Spartial variation in common bean variety diversification and its impact on food security in Embu County, Kenya
3. **May 2024:** External examiner for UON Riungu Ginson Mwirigi A80/57790/2021 PhD thesis titled Assessment of insects mediated aspergillus infection and aflatoxin contamination in pre-harvest maize
4. **March 2024:** external examiner for UON Njue Nicholas PhD: Diversity of insect pollinators and their contribution to macadamia nut yield in Murang'a County, Kenya

Masters External examiner

1. **October 2024:** External examiner for SEKU University Gassimu Bai-Sesay MSc. thesis titled: Impact of cooperative intervention on beekeeping, household incomes and forest conservation; Acase of Kamaki Farmers' Cooperative Society in Kitui County, Kenya
2. **September 2024:** External examiner for Chuka University for Amos Kinambonge AM15/35749/18 MSc thesis titled: Influence of Climate Variability on Maize Yields Among Farming Households in Machakos County, Kenya
3. **September 2024:** External examiner for Chuka University for Mary Mukami Nyaga AM15/39821/18 MSc thesis titled: Determinants and Effectiveness of Adopted Drought Mitigation Strategies amongst Households in Tharaka South Sub-county, Kenya
4. **September 2024:** External examiner for Chuka University for Bridget Kawira MSc thesis titled: Analysis of socio-economic and ecological usefulness of urban farming in Nkubu Town, Meru County.
5. **August 2024:** External examiner for UON Judith Nabwire Oundo A56/7658/2017 MSc thesis titled: Bio-ecology of the false codling moth *Thaumatotibia leucotreta* (Meyrick) (Lepidoptera: Tortricidae) in the capsicum agro-ecosystem in selected counties in lower eastern Kenya
6. **January 2024:** external examiner for UON Benson Iningu MSc. Thesis titled evaluating the biotoxicity of *Melia volkensii* extracts on beneficial insects
7. **Nov 2023** External examiner for JKUAT MSc thesis for Jean Mugishawimana.

- Occurrence, density and biology of *Antestiopsis thunbergii* (Heteroptera: Pentatomidae) and its related egg-parasitoids on arabica coffee in Burundi.
8. **August 2023:** External examiner for Chuka University Joy Gakii Mworio AM15/35723/18, MSc. Thesis title: Spatial variations in crop diversification and its impact on food security in various agro ecological zones of Embu County, Kenya
 9. **July 2023:** External examiner for UON: Ann Gitau, MSc. Thesis titled Sanitation and post-harvest management practices in grain traders' stores and the impact on grain quality
 10. **July 2023:** External examiner for UON Miriam Gathogo MSc. Thesis Titled Spatial distribution of *Psyllaephagus bliteus* in western and eastern Kenya and its impact on *Glycaspis brimblecombei* population
 11. **June 2023:** External examiner for UON: John Ouma MSc Thesis Titled Management of whitefly and slugs on greenhouse poinsettia in Kenya
 12. **June 2023** External examiner for UON: Alosa Noreen Akoth Oduor MSc Thesis Titled Macadamia stink bug (*Bathycoelia distincta* Distant); occurrence, activity and biological control in Kenya
 13. **April 2023:** External examiner for UON: Jacquelyne Jepchumba Arusei MSc Thesis Titled Evaluation of *Bacillus thuringiensis* isolates' potential in the management of pod borers (Lepidoptera: Noctuidae) infesting pigeon peas.
 14. **March 2023** External examiner for UON: Albert Ambia 156/33074/2019 MSc Thesis titled Efficacy of pheromone-based mass trapping in management of fall armyworm *Spodoptera frugiperda* (Lepidoptera: Noctuidae) in maize farms.
 15. **November 2022:** External examiner for UON for Mulwa Georgina Kamanthe MSc thesis titled varietal resistance and use of crude plant extracts in the management of field pests in green gram (*Vigna radiata*) in Machakos County, Kenya
 16. **October 2021:** External examiner for UON for Evanson Rigan Omuse Msc Thesis Titled Laboratory and Semi-Field Non-target Assessment of Biopesticides *Metarhizium anisopliae* and *Beauveria bassiana* on bee pollinators (Hymenoptera: Apidae), and predictive modelling of biopesticides' performance in bee colonies
 17. **November 2021** External examiner for JKUAT for Ednah Komen MCc thesis titled evaluation of apicure[®], a plant-based extract for the management of the small hive beetle *aethina tumida*
 18. **July 2021:** External examiner for JKUAT for Francis Kiamba Matu MSc., Thesis titled Behavioural response of the greenhouse whitefly, *Trialeurodes vaporariorum* (Westwood) (Homoptera: Aleyrodidae) to volatiles of tomato and companion plants
 19. **July 2019:** External examiner for MSc thesis for Jane Njeri Dan, at Jomo Kenyatta University of Agriculture & Technology Title; Seasonal diversity and abundance of pollinators as influenced by farming practices in cowpea and cucumber cropping systems
 20. **November 2016:** External examiner, University of Nairobi, MSc Thesis for Mutai Kipngeno Gilbert Titled "Elimination of Cassava Mosaic Viruses from infected cassava cultivars in Kenya by somatic embryogenesis"
 21. **July 2016:** External examiner, University of Nairobi, MSc Thesis for Ms Maina Angeline Wanjiku Titled "Management of Mycotoxigenic fungi and associated Mycotoxins in maize by use of hermetic storage.
 22. **April 2016:** External examiner, University of Nairobi, MSc Thesis for Martin Muthee Gakuubi. Evaluation of yield, chemical composition and antimicrobial activity of essential oils of *Tagetes minuta* (Asteraceae) against selected phytopathogens,

23. **September 2014:** External examiner, MSc thesis Chepkurui Florence Bett: Evaluation of the level of awareness on safe use of herbicides by tea growers in Bomet County, Kenya, Jomo Kenyatta University of Agriculture & Technology
24. **December 2012:** External examiner for a Master of Science thesis, Jomo Kenyatta University of Agriculture & Technology
25. **February 2011:** MSc thesis, David Nderitu Muchemi EET32- 0028/2007: Impact of workplace on temperatures on workers' comfort in tea factories' Jomo Kenyatta University of Agriculture & Technology
26. **December 1993- 1997:** Examiner with the Kenya National Examination Council (KNEC) in KCSE Biology and Geography and Primary Teacher Education (PTE)

1.5: Administration and other responsibilities

1.5.1 Recognized University Administrative Position

1. **Nov 2024 –to date:** Deputy Director of Student Affairs, Kitui Campus
2. **Oct 2023- Dec 2024:** Female Warden Kitui Campus, Kenyatta University.
3. **2014- 2022-** Chairman Curriculum Department of Agricultural Science and Technology
4. **2009 -2013.** School Examination Coordinator (School of Agriculture and Enterprise Development)
5. **2008-2009:** Departmental Exam Coordinator in the Department of Agricultural Science and Technology (AST)
6. **2013- to date:** Head of School Subject (Entomology)

1.5.2 Other Responsibilities

1. **January 2025 to date:** SAES Programme and Curriculum Committee
2. **January 2025 to date:** Chairperson School and Departmental Programmes and Curriculum Committee
3. **2020- to date: Research Project Coordinator** of KCU 400 in the Department of Agricultural Science and Technology
4. **2022-to date:** Member of the curriculum committee
5. **2009- to date:** Teaching and supervision of Undergraduate and Postgraduate Students in SAES
6. **2009- to date:** Mentoring of Kenyatta University Students in the School of Agriculture and Environmental Studies.

1.6: COMMUNITY ENGAGEMENT AND OTHER CONTRIBUTIONS

1.6.1: Attracting research grants and development funding

1. **April 2021:** Team leader: Won Ksh 20 Million National Research Fund (NRF) proposal Grant of integrated strategies for enhanced control and surveillance of desert locusts (*Schistocerca gregaria* forsk. l.) in Kenya. (**Money not disbursed**)
2. **2017-2019:** Won a Vice Chancellor's research grant of Ksh 1,200,000 for research on the Abundance and diversity of wood-boring beetles and their associated natural enemies in Isiolo, Nairobi, Machakos and Nakuru counties in Kenya
3. **2012-2013:** Won \$ 12,000 award from NACADA to conduct research on the Trends and patterns of Emerging in Kenya at the 2nd National Conference on Alcohol and Drug Abuse. Theme: The Youth and Drugs
4. **April 2012:** won 2nd year post Doc scholarship \$ 12,000 from National Council for Science and Technology (NCST).
5. **August 2011:** Won \$ 10,000 for eight months on staff development from DAAD and ICIPE

1.6.2: Community Outreach Programme

1. **July 2025:** Organized and participated in St Raphael Small Christian Community Sports Day at St Mary's Girls Runda
2. **24th April 2025:** Gave an online talk to form four leaves preparing to join University in September 2025 on Campus life
3. **April 2025** visited Dorothea children's Rescue center Tala, and donated foodstuff and clothing's
4. **April 2024:** visited Dorothea children's Rescue center Tala, for act of mercy.
5. **2023:** Donated a pick-up of firewood to Treeside Special School, in Kasarani, Nairobi
6. **Jan 2021:** Donated one microscope to Kirigithu Secondary School
7. **Feb 2020** Gave a talk to Kirigithu School during prize giving day
8. **2018 to 2022:** Deputy Chairman Board of Management (BOM) Kirigithu Secondary School, Murang'a County
9. **Nov 2014 to 2022:** Appointed as Member of the Board of Management (BOM) Kirigithu Secondary School, Murang'a County
10. **Jan 2018 to 2022:** Donated story books, text books, desktop computer and microscope to Kirigithu Secondary School, Murang'a County
11. **August 2016:** Assisted in fund raising for Kirigithu Secondary School
12. **Feb 2015:** Invited guest to give a talk on Alcohol and Drug abuse in Masai Mara University
13. **2015:** Invited guest to give a talk on Alcohol and drug abuse to Jomo Kenyatta University of Agriculture and Technology (JKUAT) first year students
14. **March 2014:** Gave a talk on Alcohol and Drug abuse in Kenyatta University during the health week theme, My health my responsibility
15. Life Member for The Kenya Society for deaf Children (KSDC)
16. Member of St Paul's University Chapel and Our Lady of Holy Rosary, Ridgeways
17. **2015-to date:** Treasurer of Mustard Girls welfare group (4 members), Blessed girls (5 Members) and Pearl sisters (17 members)
18. **2013:** Invited as a guest speaker during parent's day at Pangani Girls High School
19. **2011:** Invited as the guest speaker during the prize giving day at St. Francis Girls High School, Mang'u
20. **2008 to 2018:** Consultant for NACADA where I was involved in sensitization on Alcohol and Drug Abuse (ADA) in High Schools, Colleges, Universities, Government Institutions, Parastatals and Civil society.
21. Pay regular visits to Kandara children's home and Nyumbani home, Kitui and given clothes donations

1.6.3: Professional Affiliation & Portfolios

5. **International Journal of Tropical Insect Science** – part of the consortium as manuscript reviewer and editorial team

1.6.4: Recognition, Awards and Honours

1. **Among top best 100 (Position 87) KU researchers publishing by Elsevier**
2. **2011-2012:** Position two (2) lecturer in performance contract of Kenyatta University
3. **2002:** Staff of the year at International Centre of Insect Physiology and Ecology (ICIPE) for Outstanding performance in the Diamondback moth Project/Plant Health Division,
4. **1996:** Exemplary and outstanding performance in Biology, KCSE Exam at Kanunga High School

5. **May 2004:** Awarded a Doctorate Scholarship by BMZ Germany through in International Centre of Insect Physiology and Ecology (ICIPE)
6. **May 1997:** awarded a Masters Scholarship by International Centre of Insect Physiology and Ecology (ICIPE)

1.6.5: OTHERS

1.6.5.1: Participation and Facilitation in workshops/conferences from 2006 to date

- 1 **20-23rd March 2025:** Participated in the Eastern and Central Drama festival in KU, Kitui Campus. Theme: Leveraging Technology to Nature Talents While Inculcating National Values for Socio-economic Prosperity
- 2 **3rd- 5th June 2024:** Participated in the 1st Joint International Scientific Conference organized by National Museums of Kenya (NMK) and Association of Kenya entomologists (AKE). Theme: Utilization of Biological Resources for sustainable Development, Nature Conservation, and Climate resilience at the National Museums of Kenya.
- 3 **11th March 2024;** Presented a paper on how the data collected by the Multi-Pest Surveillance tool will benefit the academia, at Naivasha during validation of the Multi-Pest Surveillance tool in conjunction with Ministry of Agriculture and Livestock (MOAL) and Regional Centre for Mapping of Resources for Development (RCMRD)
- 4 **21st- 23rd Feb 2023.** Participated in the workshop on Universities Promoting Linkages for Impactful Training, Innovation and Technology Transfer in Agriculture (UPLIFT-ag) at Maxland Hotel Juja, Kenya.
- 5 **28th Sept- 6th Oct 2022:** Participated in online training on Driving Financial Inclusion Through a Policy Framework for Healthy and Sustainable Food Systems in Kenya-Country Specific Program by Korea International Cooperation Agency (KOICA)
- 6 **23rd-25th Oct 2019:** Participated and facilitated in the Biennial Research and Innovation Conference, Theme Research and Innovation for the achievable of the sustainable goals and Kenya's big four Agenda, at Kenyatta University, Kenya
- 7 **3rd – 4th Dec 2018:** Participated in a follow up Horizon Scanning Workshop Prioritization of Invasive Alien Species with Potential to Threaten Agriculture and Biodiversity in Kenya in Nairobi organized by CABI
- 8 **13th – 14th June 2018:** Participated in Horizon Scanning Workshop on Prioritization of Invasive Alien Species with Potential to Threaten Agriculture And Biodiversity in Kenya in Nairobi organized by CABI
- 9 **28th Nov- 2nd Dec 2016:** Presented a paper titled “Families of Powderpost beetles and their associated natural enemies on *Acacia xanthoploea* in machakos and Nairobi Counties, Kenya” in the 16th Workshop on Sustainable Horticultural Production in the Tropics at Chuka University, Chuka, Kenya
- 10 **29th Nov- 2nd Dec 2016:** Participated and facilitated in the 2nd SAED Biennial International Conference at Business and Student's Services Centre (BSSC) Kenyatta University
- 11 **16th – 20th May 2016:** Participated in the 5th National Science Week organized by The National Commission For Science, Technology And Innovation: THEME; Research, Technology and Innovation for Sustainable Industrial Development, at Kenyatta International Convention Centre (KICC).
- 12 **1-4th Dec 2015** participated on 15th Workshop on Sustainable Horticultural Production in the Tropics. at Kenya Agricultural Research and Livestock Organization (KARLO), Kandara Center & Horticultural Research Institute (HRI), Murang'a County- Kenya
- 13 **11th Sept 2015:** Facilitated and participated at the Tomato ARF Project inception workshop: Salvaging tomato production in Kenya. Theme: Towards adoption of Integrated Pest management (IPM) Packages for sustainable management of Tomato leafminer *Tuta absoluta*

- and Fusarium wilt-nematode complex. Venue: Jakaranda Hotel, Westlands, Nairobi.
- 14 **30th -31st July 2015:** Participated in the 2nd Africa Ecosystem Based Adaptation for food security Conference 2015. Theme Re-imagining Africa Food Security through Harnessing Ecosystem based Adaptation (EBA) Approaches Now and Into the Future under Climate Change in United Nations Environmental Program
 - 15 **14th -15th July 2015:** participated in Curriculum review for the Department of Agriculture resource management at Kenyatta University
 - 16 **1st – 5th Dec 2014:** Participated in the International Conference on Building a New Generation Of Agricultural Scientists. Theme: Bridging The Gap Between Society, Science and Industry at Kenyatta University.
 - 17 **14th July 2014:** Participated in the National Stakeholders Symposium on *Tuta absoluta* conducted at KARI Headquarters Nairobi. Theme: Mitigating the challenges of the American Tomato leaf miner.
 - 18 **26th - 28th March, 2014** Participated in the 8th Egerton University International Conference Theme: Innovative Research and Technology for Global Development
 - 19 **3-6th Dec 2013:** Participated in the 13th WORKSHOP on Sustainable horticultural products in the tropics at Meru University of Science and Technology (MUST), Kenya.
 - 20 **14-17th Oct 2013.** Impact of introduced parasitoid *Cotesia plutellae* on *Plutella xylostella* and its parasitoid guild on kale in semi-arid areas in Kenya. 11th African Crop science society conference in Entebbe, Uganda
 - 21 **28th – 30th Aug 2013:** Chaired and facilitated in the 1st International Research and Innovation Conference “towards achieving a knowledge economy through research and innovation” organised by Mount Kenya University (MKU) at Safari Park Hotel, Nairobi
 - 22 **20th – 21st Aug 2013:** participated in the 1st African Food Security Conference: harnessing Ecosystem based Approaches for Food security and Adaptation to Climate Change, at UNEP, Nairobi, Kenya
 - 23 **10th -13th June 2013:** Chaired and Facilitated in the 2nd National Conference on Alcohol and Drug Abuse. Theme: The Youth and Drugs: A Call for action: at Moi International Sports Centre Kasarani Gymnasium
 - 24 **25th – 26th April 2013:** Participated in the Conference on trends and opportunities in the production and processing and consumption of Staple Crops in Kenya organised by KIRDI at Intercontinental Hotel, Nairobi
 - 25 **25th- 27th Jan 2012:** Participated in 1st National Conference on Alcohol and Drug Abuse organised by NACADA at KIA
 - 26 **11th – 15th April 2011:** Facilitated in a workshop for Agricultural Radio interns organised by Kenyatta University and farmer Voice radio (FVR) Initiative in KU
 - 27 **8th -11th Aug 2010:** Participated in curriculum development workshop at Crayfish Lodge, Naivasha
 - 28 **29th – 30th June 2009:** Participated in training workshop for members of School Curriculum committees on Gender Mainstreaming
 - 29 **28th April- 3rd May 2008:** Attended and Participated the Women Organizing Change in Agriculture and Natural Resource Management (WOCAN) Regional Meeting of Members of Eastern and Southern Africa in Kampala, Uganda.
 - 30 **8-10th Aug 2006:** Participated in 2nd National Biological Postgraduate Scientific Conference, Kenyatta University
 - 31 **24-28th Oct 2006:** Participated at the 5th International DBM Workshop in Beijing, China
 - 32 **5-10th March 2000:** Training of Diamondback Moth (DBM) Workshop for East and South Africa participants, on field surveys, use of questionnaire and processing of materials.
 - 33 **14-16th Jan-1999:** Attended the 2nd National Horticulture Workshop on the way forward for horticulture towards Kenya’s industrialization at Jomo Kenyatta University of Agriculture and Technology (JKUAT).

1.6.5.2: Conferences/ workshop/ convened or organized

- 1 **3rd to 5th June 2024:** Participated as an abstract editorial committee: 1st Joint International Scientific Conference: Utilization Resources for Sustainable, Development, Nature Conservation, and Climate resilience from at the National Museums of Kenya
- 2 **23-25th October 2019:** Chaired a plenary session in the Biennial Research and Innovation Conference, Theme Research and Innovation for the achievable of the sustainable goals and Kenya's big four Agenda, at Kenyatta University, Kenya
- 3 **May – December 2016:** Participated as a sub-committee Chairperson in the organisation, and facilitated in the 2nd SAED International Conference on Building a New Generation of Agricultural Scientists at Kenyatta University, Nairobi.
- 4 **November 2016:** Participated as a sub-committee Chairperson in the organisation, and facilitated in the SAED 1st Biennial International Conference on. Theme: at Kenyatta University, Nairobi.
- 5 **11th September 2015:** Convened and presented a paper on 'Current research work on tomato leaf miner *Tuta absoluta*' at the Inception of the Tomato ARF Project at Jacaranda Hotel, Westlands, Nairobi County
- 6 **1st – 5th December 2014:** Participated as a sub-committee Chairperson in the organisation, and facilitated in the International Conference on Building a New Generation of Agricultural Scientists. Theme: Bridging The Gap Between Society, Science and Industry at Kenyatta University, Nairobi.
- 7 **May 2012:** Convened and coordinated 5-day workshop on peer educators training workshop for state house staff at Kenya Institute of Education (KIE), Nairobi.
- 8 **24th to 28th may 2010:** Coordinated five (5) day workshop for the Ministry of Higher Education, Science and Technology (MoHEST) training workshop for trainer of trainers on Government mainstreaming, stress, and alcohol and drug abuse at AICAD, JKUAT.
- 9 **2002-2003:** Organised and coordinated training of Trainer of Trainers (TOT) workshop in Kenya, Uganda and Tanzania for the Diamondback Moth (DBM) Bio-control Project for Eastern and Southern Africa.

1.6.5.3 Research leadership

- **2020:** Chairperson of a committee mandated by the Vice chancellor Kenyatta university to write a proposal on the desert locusts in 2020- won the award of KSh 20 million – **Not disbursed**
- **2011:** Team leader on Fact Finding Mission on the extent of Alcohol and Drug Abuse in Kenya awarded by The Governance, Justice, Law and Order Sector (GJLOS).
- **2010 to 2018:** Collaboration with NACADAA, Government Ministries, and Parastatals institutions through trainings
- **Drafting the manual on-** Peer educators training manual on alcohol and drug abuse; response to peer needs – in collaboration with NACADA and other institutions and consultants
- **2010:** Prepared the zero draft on National Drug Abuse Control policy for NACADAA

1.6.5.4: Contribution to University advancement

1. **April 2024:** Appointed as the Secretary of the AST Department and School Programme Development Committee

2. **27th – 31st Nov 2023:** Acting Chairman Department of Agricultural Science and technology (AST) as acting chairperson
3. **12th - 16th July 2021:** Acting Chairman Department of Agricultural Science and technology (AST)
4. **2020:** appointed chairperson of a committee mandated by the Vice chancellor Kenyatta university to write a proposal on the Desert Locusts
5. **2016:** Appointed by VC as a team member to write the African Union (AU) proposal for the University
6. **March 2013:** Gave a talk on “**Importance of formal mentorship from a mentors’ perspective**” to Students in the School of Agriculture during a one-day seminar on “Empowering young female students to advance in dynamic science based careers”
7. **July- Aug 2010:** Written two articles in KU newsletter, dedicated to first years
8. A Committee member in harmonization of credit waiver in the department of AST
9. **2014:** Reviewed BSc. and Master’s Programmes in the Department of Agricultural Science and Technology
10. **2012:** Development of a Master’s programme in the School of Agriculture & Enterprise development MSc Agricultural entomology
11. **2011** development and Review of the BSc Programme in Crop improvement and protection and Crop Science and Animal science option.
12. **2010 to 2015:** Facilitator and supervisor of students from University of Ottawa-Kenyatta University summer programme, Canada
13. **2010:** Participated in development of Masters programme in the School of Agriculture & Enterprise development. MSc. Agronomy, MSc. Plant breeding, MSc. Crop protection Entomology and Pathology option
14. **2008:** Participated in development of the curriculum for the BSc. Crop improvement and protection, BSc. Crop science Option and Bsc. Agriculture.

1.8 REFEREES

1. Prof: Reuben Mwasya
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