



CURRICULUM VITAE

Collins Kalwale Mweresa
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Qualification summary

- Senior Lecturer of applied entomology and parasitology at Jaramogi Oginga Odinga University of Science and Technology (JOUST) Bondo, Kenya,
- Chairman of Biological Science Department, JOUST and Research consultant at Science for Health Society in Kenya.
- Four-year experience of writing undergraduate and post-graduate academic programmes at JOUST
- Seven years of teaching and evaluating undergraduate and post-graduate courses associated applied entomology, applied parasitology, food security and climate change
- Supervision and mentoring of undergraduate, ten Master of Science and three PhD students
- Assistant Programme Leader of PhD/MSc. food security and sustainable agriculture as well as MSc and PhD in applied insect Science at JOUST
- Twelve years research experience in applied entomology and applied parasitology
- Reviewer of research manuscripts for referred journals and external examiner of MSc and PhD theses
- Ability to design and execute research projects, track research project and academic milestones
- Experience in project planning and coordination of implementation, monitoring, evaluation, capacity and team building as well as progress assessment.
- Ability to develop early warning systems and achievement of program deliverables and timelines
- Ability to coordinate community engagement, conduct logistic planning and support product development in education and research programs
- Ability to organize research and education workshops and seminars
- Computer proficiency in Microsoft Office, internet and statistical package especially SPSS
- Good analytical, communication and writing skills
- Demonstrated competency in writing standard operating procedures, reports, manuscripts, proposals and preparation of information, education and communication (IEC) materials

Career objectives

To enhance the quality of human life by advancing my professional career in teaching, research and innovation with particular interest in mentoring students and conducting research related to agricultural entomology and food security, parasites, vector biology and infectious diseases of humans and animals.

Personal details

Date of birth: 28th January 1970
Nationality: Kenyan
Sex: Male
Languages spoken: English, Kiswahili and Luhya
Current Position: Senior Lecturer of Applied Entomology and Parasitology at JOUST (2016 to date)
Chairman of Biological Sciences Department at JOUST (January 2023 to date)
Previous Position: Project Manager and Scientist on SolarMal Research Program (2013 – Dec 2016)
Previous Employer: International Centre of Insect Physiology and Ecology at Thomas Odhiambo Campus (*icipe*-TOC), Mbita Point in Western Kenya

Education background

Date	Institution Attended and Location	Certificate/degree Awarded
2010 - 2014	Wageningen University and Research Centre, The Netherlands and <i>icipe</i>	PhD in Applied Entomology
2006 - 2008	University of Nairobi, Kenya and KEMRI, Kisumu Kenya	MSc. Applied Parasitology
1996 – 1997	Egerton University, Njoro, Kenya	Post-graduate Diploma in Education (PGDE)
1989 - 1992	Egerton University, Njoro, Kenya.	BSc. in Zoology and Botany (2 nd class upper)

Teaching, Research and work experience

1. **February 2023 – To date:**
 - Chairman of Biological Sciences Department at JOOUST
 - External Examiner for Walter Sisulu University, South Africa
 - Entomology Research Consultant on the following projects:
 - (i) FrontAgNexus project in the Mediterranean region (2024 – 2026),
 - (ii) INCiTiS project between Egerton University and JOOUST(2023-2027)
 - Research Scientist (Entomologist) on JOOUST-FAO project on the use of black soldier fly larvae (BSFL) for formulation and commercialization of Livestock Feed
 - Research Scientist (Entomologist) on JOOUST – British Ecological Society: Artisanal fishing as a catalysts of malaria transmission in Lake Victoria Island, Western Kenya
2. **July 2022 – To date: Senior Lecturer** of applied entomology and parasitology
3. August 2022 – 2025: **Research Scientist (Entomologist)** on the use of black soldier fly larvae (BSFL) in INTEgrated and Circular Technologies for Sustainable City Region FOOD systems in Africa (INCiTiS-FOOD) Project. Collaborative research project between Egerton University, Njoro Kenya and JOOUST.
4. **2017 – 2024: Research Scientist (Entomologist)** on INSEFOODS Project (Africa Center of Excellence in Sustainable Use of Insects as Food and Feeds) at JOOUST
5. **December 2016 – To July 2023: Full time Lecturer** for applied entomology and parasitology at the Department of Biological Sciences, JOOUST, Bondo.
 - Assistant Programme Leader for PhD/MSc in applied insect science
 - Assistant Programme Leader for PhD/MSc in food security and sustainable agriculture
 - In-charge of industrial attachment, field trips and field courses in the department of biological sciences
6. **July 2016 – To date: Research Consultant** at Science for Health Society, Kenya
7. **May 2016- To date: Part-time Lecturer** for medical entomology, parasitology and arthropod biology at the Department of Biological Science, Egerton University, Kenya.
8. **May 2013 – 31st December 2015: Scientist and SolarMal Project Manager**, Human Health Division, *icipe*-TOC, Mbita Point, western Kenya:
 - Plan project logistics, engagement with the community, government agents/policy makers and collaborators
 - Ensure that weekly, quarterly and annual progress reports are written and shared with the project management on time.
 - Aim to publish at least two entomological and two parasitological manuscripts yearly
 - Prepare and submit annual research progress report for project renewal by the Ethical Review Committee of Kenya.
 - Prepare and share at least one community brochure and Standard Operation Procedures (SOPs) for installation of solar-powered mosquito trapping systems (SMoTS).
 - Supervise organisation of at least 40 community training workshops, three community advisory board meetings and one annual scientific project workshop per year.
 - Oversee intervention of at least 2000 households against malaria transmission by installation of SMoTS.
 - Excuted any other duties assigned to me by the supervisors/Project PI

- The project was funded by the COMoN foundation through Wageningen University and Research Centre in the Netherlands.
 - Participate in supervision of at least four undergraduate, MSc. and one PhD students.
9. **July 2013 – July 2014: Scientist** on Assessment of the Infectious Reservoir of Malaria (AFIRM) project, Human Health Division, *icipe*-TOC, Mbita Point, western Kenya:
 - Supervision and logistic planning for entomology and parasitological research activities
 - Prepare and submit annual research progress report to the donor
 - Prepare manuscripts leading to publications
 - Facilitated supervision of undergraduate students on internship
 - The project was funded by the Bill & Melinda Gates Foundation (BMGF) through the London School of Hygiene and Tropical Medicine (LSHTM)
 10. **Sept 2010 – February 2011 and August 2012 – March 2013: Lecturer** (i.e. Health risks and infectious diseases in the tropics) and mentorship of undergraduate and MSc. students at Wageningen University, in the Netherlands
 11. **April 2010 - April 2013: PhD student** based at Wageningen University in The Netherlands for coursework, thesis writing and teaching, and at *icipe*-TOC, Mbita Point in western Kenya for semi-field and field experiments:
 - Researched on “Odour-based strategies for surveillance and behavioural disruption of host seeking malaria and other mosquitoes”
 - The research led to the development of skills in project planning and time management, research methodologies, data collection and analysis and scientific writing
 - Determination of the infectious status and blood meal sources for mosquitoes by using ELISA
 - Teaching and mentorship of undergraduate and MSc. students.
 - The research work was funded by a grant from the Foundation for the National Institutes of Health (FNIH) through the Grand Challenges in Global Health Initiative
 12. **October 2008 - March 2010: Entomology Research Assistant** on a malaria control project based at Kilimanjaro Medical Centre (KCMC) in Moshi, Tanzania and Kenya:
 - Developed a standard operation procedure (SOP) for mosquito sampling, identification, preservation and analysis for blood meal sources and *Plasmodium* sporozoites
 - Supervised malaria parasitological and entomological surveys
 - Reared laboratory-based malaria mosquitoes for membrane feeding bioassays
 - Screened ant malarial drugs for *Plasmodium* parasite resistance through membrane feeding bioassays
 - Conducted membrane feeding, infection, dissection and screening of mosquitoes for oocysts and sporozoites of *Plasmodium* parasites.
 - Report writing
 - The research work was funded by a grant from the Foundation for the National Institutes of Health (FNIH) through the Grand Challenges in Global Health Initiative.
 13. **July 2007 – October 2008: MSc. thesis research** at the Kenya Medical Research Institute (KEMRI) in Kisumu, western Kenya:
 - Researched on “Evaluation on the effects of traditional agriculture on mosquito breeding and malaria transmission in a peri-urban agro-ecosystem of Kisumu town in western Kenya”
 - Developed skills in rearing and managing malaria mosquito colonies for experiments, writing SOPs for parasitological and entomology experiments, screening and identification human malaria parasites, proposal writing, information literacy, data collection and analysis, report and thesis writing, supervision of diploma and undergraduate internships students on the project and community engagement.
 - The research work was funded by the Diorapthe Charity Foundation, The Netherlands
 14. **December 1998 – December 2006: Biology Practical Examiner** for Kenya National Examination Council

15. **March 1994 – November 2008: Secondary School Teacher**, Teachers Service Commission (TSC) of Kenya:
- Biology Teacher at Kivaywa Boys High School, Kakamega County (May 1997 – August 2006).
 - Biology and Geography Teacher at Bishop Girls Secondary School at Angurai, Teso in Busia County (March 1994 – May 1996)

Short courses

1. 25th July To 5th August 2022: Insect Repository Management training at the National Museum of Kenya (Sponsored by INSEFOODS Project at Jaramaogi Oginga Odinga University of Science and Technology)
2. April –May 2020: Postgraduate course on malaria prevention, control & elimination at Bagamoyo in Tanzania (***Postponed because of COVID-19 pandemic***)
3. Feb 2020: Personalized training in secure insectary methods for experimental infections with *Plasmodium falciparum* at Max Planck Institute for Infection Biology (MPIIB) in Germany (***Postponed because of COVID-19 pandemic***).
4. February 2019: Research Connect Programme (Organized and sponsored by the British Council) at Accacia Premier Hotel, Kisumu Kenya
5. September 2018: Gene Drive Course (organized and sponsored by Target Malaria) at Victoria Falls in Zimbabwe
6. June 2018: Programme Development and Curriculum Delivery organized by the Africa Center of Excellence in Phytochemicals, Textile and Renewable Energy at Moi University (ACE II, PTRE) - Sirikwa Hotel in Eldoret Kenya
7. January 2017: Workshop on integration of appropriate pedagogical skills in university teaching-learning process. Conducted at JOOUST Bondo Campus, Kenya
8. July 2011: Postgraduate research fellow to study immunology of parasitic diseases conducted at Morogoro, Tanzania.
9. April 2011: Postgraduate research fellow to study field-based ecological research at *icipe* Mbita Point in Kenya
10. May 2009: Postgraduate research fellow to study mosquito species identification, behaviour, ecology and control strategies at the National Institute for Medical Research, Tanga, Tanzania.
11. September 2010 – January 2011: Postgraduate courses at Wageningen University in The Netherlands on:
 - Competence assessment
 - Effective behavior in your professional surroundings
 - Techniques for writing and presenting a scientific paper
 - Project and time management
 - Stress identification and management workshop
 - The last stretch of the PhD program
12. April 2000, 2001 and 2002: Development and delivery of in-service training course for secondary school science teachers at the former Kenya Science Teacher College, Nairobi. Sponsored by the Ministry of education in Kenya and Japan International Development Agency (JICA).

Awards

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| Feb 2019: | British Council Sponsorship for Research Connect Programme at Kisumu, Kenya |
| Sept 2018: | Target Malaria Project sponsorship for Mosquito Gene Drive short course and PAMCA conference in Zimbabwe (19 th -29 th September 2018) |
| 2010-2014: | Wageningen University Sandwich PhD Fellowship, The Netherlands |
| 2010 – 2014: | DMT project and Drip scholarship at <i>icipe</i> -TOC for PhD studies funded by the Foundation of the National institutes of Health (FNIH) |
| 2011: | Seattle Biomedical and East Africa Research Institutes at Morogoro, Tanzania scholarship to attend immunology of parasitic diseases workshop |
| 2011: | Gordon Research Conferences on Malaria at Lucca (Barga) Italy |
| 2007 – 2008: | MSc research scholarship by the Diorapthe Charity Foundation, The Netherlands |

2006 – 2008: MSc study leave with pay at the University of Nairobi by the TSC
 1996 – 1997: PGDE studies at Kisii Campus, Egerton University by the TSC

Scientific Research Grants Awarded

Grant Provider	Year	Proposal title	Collaborating Institutions	Amount in KSH
Multidisciplinary Nation Research Fund -Kenya	2016/2017	Creating Wealth and Social Equity from Mosquito Larval Habitats on Megeta Island, western Kenya	University of Nairobi, JOOUST and Science for Health Society in Kenya	18,955,700

List of Publications for Dr. Collins K. Mweresa (2011 – to date)

- 1) Nguka S.O; Mweresa C.K & Muriithi A.N.2024: Integrating Black Soldier Fly (*Hermetia illucens*) Larvae Meal in Aquaponics System for Lettuce (*Lactuca sativa*) Production. East African Journal of Agriculture and Biotechnology 7(1):62-71: DOI: 10.37284/eajab.7.1.1716
- 2) Aguk O.J, **Mweresa C.K** & Ayieko A. M. 2024: **Enhancing attraction and aggregation of desert locusts for efficient harvesting: Push-Pull Approach**. Applied Research. <https://doi.org/10.1002/appl.202300108>
- 3) Kababu M; **Mweresa CK**;...Tanga CM. 2022: Innovative feedstocks for optimal mass production of the edible long-horned grasshopper, *Ruspolia differens*. Frontiers in Physiology 13: 1015636
- 4) Runyambo I, Andika D, Watako A, Mwonga S, **Mweresa CK**. 2021: Feeding preferences of the field cricket *Scapsipedus icipe* (Orthoptera: Gryllidae) for different species of Commelina. European Journal of Entomology. 120: 115–127
- 5) Msangi J.W. **Mweresa C.K**, Ndong’a M.F.O.2021. Using organic wastes as feed substrate for black soldier fly larvae. Journal of Insects as Food and Feed: 0 (0)- Pages: 1 – 0. <https://doi.org/10.3920>
- 6) Mukhwana DW, Ayieko C, **Mweresa CK**, Matoke-Muhia D and Ingonga 2020. In Vitro Antileishmanial Activities of *Olea europaea*, *Kigelia africana*, *Terminalia mollis*, *Croton Macrostachyus* and *Bridella micrantha* Medicinal Plants. International Journal of Tropical Disease & Health 41(23): 30-43
- 7) **Mweresa CK**, Mukabana WR, van Loon J.J.A; Dicke M and Takken W 2020. Use of semiochemicals for surveillance and control of hematophagous insects. Chemoecology (10).1007/s00049-020-00317-1
- 8) Mukabana WR, Onyango JA, and **Mweresa CK**. 2019. Artisanal fishing supports breeding of malaria mosquitoes in Western Kenya. Malaria J. 18:77
- 9) Jacob WJ, Tchouassi DP, Osiemo Z, Mathenge EM, **Mweresa CK** and Torto Baldwyne., 2018. Independent and interactive effect of plant- and mammalian-based odors on the response of the malaria vector, *Anopheles gambiae*. Acta Tropica 185: [10.1016](https://doi.org/10.1016)
- 10) Mburu M.M., **Mweresa C.K**, Omusula P, Hiscox A, Takken W and Mukabana W.R. 2017. 2-Butanone as a carbon dioxide mimic in attractant blends for the Afrotropical malaria mosquitoes *Anopheles gambiae* and *Anopheles funestus*. Malaria Journal 16:35
- 11) Busula, AO, Bousema T, **Mweresa CK**, Masiga D, Logan JG, Sauerwein, RW, Verhulst NO, Takken W, and de Boer JG. 2017. Gametocytemia and attractiveness of *Plasmodium falciparum*-infected Kenyan children to *Anopheles gambiae* mosquitoes. The Journal of Infectious Diseases 2017;0000:1–5
- 12) Homan T, Hiscox A, **Mweresa CK**, Masiga D, Mukabana WR, Oria P, Maire N, Pasquale AD, Silkey M, Alaii J, Bousema T, Leeuwis C, Smith TA, Takken W., **2016**, The effect of mass mosquito trapping on malaria transmission and disease burden (SolarMal): a stepped-wedge cluster randomized trial, *Lancet*, 17;388(10050):1193-201.

- 13) **Mweresa CK**, W.R. Mukabana WR, P. Omusula, B. Otieno, J.J. Van Loon and W. Takken. 2016. Enhancing Attraction of African Malaria Vectors to a Synthetic Odor Blend. *Journal of Chemical Ecology* 42(6):508-16.
- 14) HomanT, N. Maire, A. Hiscox, A. Di Pasquale, I. Kiche, K. Onoka, **C.K. Mweresa**, W. R. Mukabana, A. Ross, T.A. Smith and W. Takken. 2016. Spatially variable risk factors for malaria in a geographically heterogeneous landscape, western Kenya: an explorative study. *Malaria Journal* 15:1.
- 15) Menger, DJ, P. Omusula, K. Wouters, C. Oketch, A.S. Carreira, M. Durka, J.L. Derycke, D.E. Loy, B.H. Hahn, W.R. Mukabana, **C.K. Mweresa**, J.J. van Loon, W. Takken and A. Hiscox. 2016. Eave Screening and Push-Pull Tactics to Reduce House Entry by Vectors of Malaria. *American Journal of Tropical Medicine and Hygiene* 15-0632.
- 16) Homan, T., N. Maire, A. Hiscox, A. Di Pasquale, I. Kiche, K. Onoka, **C. K. Mweresa**, W. R. Mukabana, R. Amanda, T.A Smith and W. Takken. 2016. Spatially variable risk factors for malaria in a geographically heterogeneous landscape, western Kenya: an explorative study. *Malaria Journal* 15:1.
- 17) Homan, T., A. Di Pasquale. I. Kiche., K. Onoka, A. Hiscox, **C. K. Mweresa**, W. R. Mukabana, W. Takken and N. Maire. 2015. Innovative tools and Open HDS for health and demographic surveillance on Rusinga Island, Kenya. *BMC Res Notes* (2015) 8:397.
- 18) **Mweresa, C.K.**, P. Omusula, B. Otieno, B.T. Weldegergis, N.O.Verhulst, M. Dicke M, J.J.A. van Loon, W. Takken and W.R. Mukabana. 2015. Understanding the long-lasting attraction of malaria mosquitoes to odor baits. *PLoS ONE* 10(3): e0121533. doi: 10.1371.
- 19) Menger, J.D., P. Omusula, M. Holdinga, T. Homan, A.S. Carreira, P. Vandendaele, J. Derycke, **C. K. Mweresa**, W. R. Mukabana, J. J. A. van Loon and W. Takken. 2015. Field Evaluation of a Push-Pull System to Reduce Malaria Transmission. *PLoS ONE* 10(4): e0123415.doi:10.
- 20) **Mweresa, C.K.**, W.R. Mukabana, P. Omusula, B. Otieno, W. Takken and J.J.A. van Loon. 2014. Evaluation of textile substrates for dispensing synthetic attractants for malaria mosquitoes. *Parasites & Vectors*, 7:376.
- 21) Hiscox, A., B. Otieno, A. Kibet, **C.K. Mweresa**, P. Omusula, M. Geier, A. Rose, W.R. Mukabana and W. Takken. 2014. Development and optimization of the Suna trap as a tool for mosquito monitoring and control. *Malaria Journal*, 13: 257.
- 22) Hiscox, A., Homan, T., Vreugdenhil C., Otieno, B., Kibet, A., **Mweresa, C.K.**, van Lammeren, R., Mukabana W.R. and Takken W. 2014. Spatial heterogeneity of malaria vectors and malaria transmission risk estimated using odour-baited mosquito traps. *Malaria Journal*, 13(Suppl 1): 41.
- 23) **Mweresa, C.K.**, P. Omusula, B. Otieno, J.J.A. van Loon, W. Takken and W.R. Mukabana. 2014. Molasses as a source of carbon dioxide for attracting the malaria mosquito *Anopheles gambiae* and *Anopheles funestus*. *Malaria Journal*, 13:160.
- 24) Hiron M., Rubene D., **Mweresa C.K.**, Ajamma Y.U.O, Owino E.A. and Low M. 2014. Crop damage by granivorous birds despite protection efforts by human bird scarers in a sorghum field in western Kenya. *Ostrich: Journal of African Ornithology*, doi: 10.2989/00306525.2014.937368
- 25) Sawa P, S.A. Shekalagh, C.J. Drakeley. C.J. Sutherland, **C.K. Mweresa**, A.Y. Baidjoe, A. Manjurano, R.A. Kavishe, K.B. Beshir, R.U. Yussuf, S.A. Omar , C.C. Hermsen, L. Okell, H.D. Schallig, R.W. Sauerwein, R.L. Hallett and T. Bousema. 2013. Malaria transmission after artemether-lumefantrine and dihydroartemisinin-piperaquine: a randomized trial. *Journal of Infectious Diseases*, 207(11):1637-45.
- 26) Beshir, K.B., C.J. Sutherland, P. Sawa, C.J. Drakeley, **C.K. Mweresa**, S.A. Omar, S.A. Shekalaghe, H.A. Kaur, A. Ndaro, J. Chilongola, H.D.F.H. Schallig, R. W. Sauerwein, R.L. Hallett and T. Bousema. 2013. Residual *Plasmodium falciparum* parasitemia in Kenyan children after Artemisinin-Combination Therapy is associated with increased transmission to mosquitoes and parasite recurrence.
- 27) Hiscox, A., N. Maire, I. Kiche, M. Silkey, T. Homan, P. Oria, **C.K. Mweresa**, B. Otieno, M. Ayugi, T. Bousema, P. Sawa, J. Alaii, T. Smith, C. Leeuwis, W.R. Mukabana and W. Takken. 2012. The SolarMal project: innovative mosquito trapping technology for malaria control. *Malaria Journal*, 11:45.

- 28) Mukabana, W.R., **C.K. Mweresa**, B. Otieno, P. Omusula, B. Orindi, R.C. Smallegange, van Loon, J.J.A. and W. Takken. **2012**. Evaluation of low-density polyethylene and nylon for delivery of synthetic mosquito attractants. *Parasites and Vectors*, 50:123-133.
- 29) Mukabana, W.R., **C.K. Mweresa**, B. Otieno, P. Omusula, R.C, Smallegange, J.J.A. van Loon, and W. Takken. **2012**. A novel synthetic odorant blend for trapping of malaria and other African mosquito species. *Journal of Chemical Ecology*, 38:235-244.
- 30) Imbahale, S., **C.K. Mweresa**, W. Takken and W.R. Mukabana.**2011**. Development of environmental tools for anopheline larval control. *Parasites and Vectors*, 4:130. *Journal of Infectious diseases*, 208 (12):2017-2024

Scientific meetings and conferences attended

1. September 29th to 3rd October 2024: Second General Assembly of the PRIMA FrontAg Nexus Project at Amman, Jordan. Black Soldier Farming and Circular Technology. Sponsored by PRIMA FrontAg Nexus Project. **Oral Presentation**
2. March 5-8th 2023: African Health Agenda International Conference at Kigali Rwanda. Accelerating Africa's Progress in Development, Testing and Deployment of Emerging Health Technologies: Use of Solar Microgrids to Control Vector-borne Diseases in Africa: SolarMal Technology (Sponsored by The African Institute for Development Policy (AFDEP)). **Oral presentation**
3. Research Connect Programme Workshop at Accacia Hotel in Kisumu, Kenya, Sponsored by British Council in February 2019
4. Gene Drive Course and Pan Africa Malaria Control Conference (organized and sponsored by Target Malaria) held on 21st – 26th September 2018 at Victoria Falls in Zimbabwe
5. The 2nd Kenya National Malaria Forum “Malaria control in devolved Kenya: sustaining gains towards pre-elimination” held on 13th - 14th 2014 at Hilton hotel in Nairobi, Kenya. **Oral presentation**
6. 1st Pan African Mosquito Control Association Conference “*Challenges of vector control in the malaria eradication era*” held on 6th - 8th October 2014 at Pan Africa hotel in Nairobi, Kenya. **Oral presentation**
7. Integrated vector management meetings conducted between 2010 and 2013 at *icipe*-TOC, Mbita Point, Kenya. **Oral presentation**
8. Insect vector meetings held in September 2010 - January 2011 and September 2012 - February 2013 at the Laboratory of Entomology, Wageningen University in The Netherlands. **Oral presentation**
9. Netherlands Entomology workshop conducted on 4th December 2012 at Ede-Wageningen, The Netherlands. **Oral presentation**
10. SEMIO-2011-Workshop. A platform for African and non-African Scientists on insect chemical ecology and integrated pest management held on 12th - 15th November 2011 at Duduville Campus, *icipe*, Nairobi, Kenya. **Oral presentation**
11. Gordon Research Conferences on malaria held on 31st July - 5th August 2011 at Lucca, Barga, Italy. **Poster presentation**
12. 10th Annual East African Regional Workshop on immunology of parasitic diseases conducted on 11th - 22nd July, 2011 at Morogoro, Tanzania. **Oral presentation**

Number of Manuscript Reviewed for Referred Journals up to Date: Twenty-seven

PhD and MSc Student supervision

PhD Students

- **Margaret Kababu:** Jaramogi Oginga Odinga University of Science and Technology. Optimizing Mass Rearing Conditions of the Edible Long Horned Grasshopper, *Ruspolia differens* (Orthoptera: Tettigoniidae) (PhD 2019 – thesis submitted for examination)
- **Dennis Wafula Mukhwana:** Maseno University, Kenya. Antileishmanial Activities of Three Locally used Plants (*Olea Europaea*, *Kigelia Africana*, *Tylosema Fassoglense*) in Mice (PhD 2019; Graduated in Dec 2022)
- **Basiliana Emidi,** Kilimanjaro Christian Medical University College, Moshi, Tanzania (PhD Graduated in 2018)

- **Annet Obukosis**, University of Nairobi, Kenya and Wageningen University, The Netherlands: Effect of *Plasmodium* parasite infection and treatment on human attractiveness to malaria mosquitoes (PhD Graduated in August 2017)

MSC Students

- **Joseph Aguk**: Selective Feeding of Desert Locusts (*Schistocerca Gregaria*) to Enhance Collection for Food and Feed (MSc since 2020: Thesis submitted for examination)
- **Benjamin Muthama Kilonzi**: Utilization Of Black Soldier Fly (*Hermetia Illucens*) And Housefly (*Musca Domestica*) As Biodegradation Agents Of Dairy Wastes And Source Of Animal Feed (MSc since 2020: Thesis submitted for examination)
- **Samuel Ochieng Nguka**: Integrating Black Soldier Fly (*Hermetia Illucens*) Larvae Meal in Rainbow Trout and Lettuce Aquaponics Feed (MSc 2020: To graduate in December 2023)
- **Jastine Walter Msangi**: Jaramogi Oginga Odinga University of Science and Technology. Production of Black Soldier Fly Larvae for Animal Feed Using Organic Wastes as Feed Substrates (MSc Since 2019 – Graduated in 2022)
- **Patricia Stella Nekesa Wamukota**: University of Nairobi, Kenya: Efficacy of *Clarias Alluaudi* as a Biocontrol Agent for *Anopheles* Malaria Mosquitoes (MSc. 2019-Graduated)
- **Sifuna Millicent**: *Anopheles* Productivity of Aquatic Habitats Created Through Artisanal Capture Fishing on Mageta Island in Western Kenya (MSc. 2019-Graduated)
- **Janet Achieng Anyango**, University of Nairobi, Kenya: Artisanal fishing supports breeding of malaria mosquitoes in Western Kenya (MSc. 2016 – 2018-Graduated)
- **Karlijn Wouter**, Wageningen University, The Netherlands: Combined effect of eave screening and odour-baited trapping for malaria vector control and SolarMal Project systems evaluation (MSc. April - July 2014; graduated)
- **Marie Hermy**, Wageningen University, The Netherlands: Attraction of malaria mosquitoes to human odours and synthetic blends (MSc. March - September 2014; Graduated)
- **Monicah Mirai Mburu**, University of Nairobi, Kenya: Evaluation of 2-butanone as a substitute for carbon dioxide in a malaria mosquito attractant blend (MSc. 2012 -2013 and PhD 2015-2018; Graduated).
- **Rens Bokhorst**, Maastricht University, The Netherlands: Physical and chemical house entry barriers to enhance odour-baited trapping for malaria control (BSc. June - December 2013; Graduated)

Membership of professional organizations

1. Science for Health Society
2. Member of National Malaria Forum
3. Member of Pan African Mosquito Control Association Conference
4. Member of ARPPIS and DRIP Scholars Association (ASA)
5. WUR Alumni network

Referees

Prof. Regina Nyunja
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