

MIRIAM GATHOGO CURRICULUM VITAE



RESEARCHER ID:

SCOPUS ID :

ORCHID: 0000-0003-2598-9663

Position: ASSISTANT RESEARCH
SCIENTIST – ENTOMOLOGY

1. PERSONAL INFORMATION

- 1.1. NAME :** Miriam Wamuu-ini Gathogo
1.2. ADDRESS: KEFRI P.O Box 20412-00200, Nairobi
1.3. PHONE: 0724441570
1.4. EMAIL ADDRESS: gathogomiriam@gmail.com, mgathogo@kefri.org
1.5. NATIONALITY: Kenyan
1.6. GENDER: Female

2. QUALIFICATIONS

2.1. Academic Qualifications :

- 2019 to date:** MSc. Agricultural Entomology, University of Nairobi
2013 - Feb 2018: MSc. Parasitology, Egerton University
2009 – 2013: B Sc. Ed. Science
Biology/Chemistry, Egerton University – Honors Second Upper
2003 – 2007: Kenya National Examinations Council
Ngoliba Sec. School – B+ (72 pts)
1994 – 2002: Kenya National Examinations Council
Gituri Pry. School – (312 pts)

2.2. Key Competencies

- Insect sampling and identification
- Rearing of parasitoids for biological control of insects

2.3. Other Courses

Insect rearing and curation at National Museums of Kenya

Scientific communication and publishing

3. EMPLOYMENT HISTORY

Kenya Forestry Research Institute (KEFRI)

Assistant Research Officer (*Sept 2015 to date*)

My responsibilities include;

- a) Molecular research in invasive pests of Eucalyptus and their natural control agents.
- b) Developing project proposals on pests of economic importance in Kenya forestry systems.
- c) Assessing and monitoring pests of different tree species in Kenya.
- d) Field epidemiological studies on forestry pests.
- e) Efficacy trials of termiticides in collaboration with Pest Control Products Board (PCPB).
- f) Training students on attachment on matters Forest Entomology.

4. ADMINISTRATIVE RESPONSIBILITY

None

5. PUBLICATIONS

5.1. Journal papers

Miriam Gathogo, Phoebe Mukiria, John Thuita, Vincent Adunga, Sam Guya, Rose Wanjiru, Albert Nyamweya, Robert Shivairo, Raymond Mdachi, Charles Muleke (2017). Molecular Identification of African Trypanosome Stabilates from Livestock in Lamu County, Kenya. *Journal of Natural Sciences Research*.

Gathogo Miriam*, Shivairo Robert, Muleke Charles, Mdachi Raymond, Mukiria Phoebe, Wanyonyi Bernard, Sayah Abiud, William Limo, Gachie Peter. Drug Sensitivity of *T. b. brucei* Stabilates from Livestock in Lamu County, Kenya. *International Journal for Innovative Research and Development*.

5.2. Books

5.3. Book Chapter

Chagala–Odera E., Ochieng D., Wanjiku J., Muchiri M.N., Gichora M., Tuwei P., Kamondo B., Mengich E., Langat D., Oballa P., Muthike G., Chiteva R., Kagombe J., Cherotich L., **Gathogo M.**, Muthama A. and Oduor N. (Eds). 2018. ‘Contribution of Forestry Research to Sustainable

Development': Proceedings of 5th KEFRI Scientific Conference, 17 – 19 April 2018 at KEFRI Headquarters Muguga. KEFRI, Kenya.

5.4. Technical Notes /Protocols/Guidelines

Brochure: Mutitu E., Gathogo M., (2018). Management of termites.

Guidelines: Mutitu E., Mwangi L., Gathogo M., (2019). Dodder management guideline.

5.5. Policy Briefs

6. RESEARCH

6.1. Completed

Research and development in support of commercial forestry in Kenya, Funded by Gatsby Africa

Termiticide trial of Vagan 50SC in agroforestry

6.2. Ongoing research

Management of major pests of Eucalyptus, GOK funded project.

6.3. Mentorship and supervision

7. INNOVATIONS AND PATENTS (Intellectual Property)

8. CONFERENCES/SEMINARS/WORKSHOPS

8.1. Presentation of Papers at Academic and Professional Conferences

Michael M. Okeyo, Gilbert O. Obweyere, D. L. Makanji, Jane W. Njuguna, **Miriam W. Gathogo**. Insects Associated With *Terminalia Brownii* Growing In Kitui, Baringo And Homa Bay Counties, Kenya: Implications On Tree Species Domestication. Proceedings of The 15th International Phytotechnology Conference held between 1-5 October 2018 in University of Novi Sad, Serbia.

Peter Gachie, Jonah Kipsat, Joshua Cheboiwo, Milton Esitubi, James Mwaura and **Miriam Gathogo**. On-Farm Tree Growing Opportunities and Constraints in Murang'a County, Kenya. *Proceedings of 5th KEFRI Scientific Conference held between 17th – 19th April, 2018.*

Gachie P. K., Koech E.K., Njung'e J.T., Simons A.J., **Gathogo, M.**, Lichungu L. On-farm tree

domestication level, opportunities and challenges: a case of prunus African in western Kenya.
Proceedings of 5th KEFRI Scientific Conference held between 17th – 19th April, 2018.

8.2. Participation in Workshops/Conferences

2nd National Museums of Kenya JRS Lepidoptera Pollinators Workshop, under Dr. Esther Kioko's project on 'Lepidoptera Pollinators' from 21-22 Nov, 2017. This was an eye opener to help KEFRI which has a rich heritage of 60,000 insect specimen collections digitize them through molecular characterization and publish the data in GBIF and other forums open to the public.

8.3. Convening/Coordinating Conferences

A competent team member in the 5th KEFRI Scientific Conference led by Dr. Chagala as indicated in the Proceedings of 5th KEFRI Scientific Conference held between 17th – 19th April, 2018

9. PROFESSIONAL ENGAGEMENT

9.1. Training

9.2. Consultancies

BAT Consultancy: Tree census in BAT tobacco planting regions held in 2016.

9.3. Collaboration with external organizations

Termiticide efficacy trials in collaboration with PCPB since 2016

10. EXTERNAL AND INTERNAL RESEARCH GRANTS

Include research grants won

11. LOCAL, REGIONAL & INTERNATIONAL APPOINTMENTS

11.1. Local

11.2. Regional

11.3. International

12. AWARDS AND RECOGNITION

Award of MSc. Degree scholarship by Higher Education Loans Board (HELB) (\$ 2000) in 2014

13. CONTRIBUTION TO KEFRI's ADVANCEMENT

Coordination of KEFRI Quarantine facility activities since certification and inauguration in December 2020. This has led to raising of KEFRI Flag to a level where international organizations like CABI are rearing parasitoids in the facility.

14. MEMBERSHIP TO PROFESSIONAL BODIES

15. REFEREES

Prof C.I Muleke, Dean Faculty of Microbiology, Immunology, Pathology and Veterinary medicine

Egerton University, Email- cimuleke@yahoo.com

Dr. George O. Ongamo, School of Biological Sciences, University of Nairobi, P. O. Box P.O.BOX 30197-00100, Nairobi, Kenya. Email: gongamo@uonbi.ac.ke