

## 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](mailto: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 15<sup>th</sup> 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 5<sup>th</sup> KEFRI Scientific Conference held between 17<sup>th</sup> – 19<sup>th</sup> 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 5<sup>th</sup> KEFRI Scientific Conference held between 17<sup>th</sup> – 19<sup>th</sup> 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 5<sup>th</sup> KEFRI Scientific Conference led by Dr. Chagala as indicated in the Proceedings of 5<sup>th</sup> KEFRI Scientific Conference held between 17<sup>th</sup> – 19<sup>th</sup> 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](mailto:cimuleke@yahoo.com)

Dr. George O. Ongamo, School of Biological Sciences, University of Nairobi, P. O. Box P.O.BOX  
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