



## Abdullah M. Mkiga, PhD - Curriculum vitae

**Name:** Abdullah M. Mkiga

**Nationality:** Tanzanian

**Date of Birth:** 8/08/1983

**Place of Birth:** Morogoro

**Marital status:** Married

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**Title&Position:** Senior Entomologist and Head of Knowledge Management and Communication at TARI, Ukiriguru Centre

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**Synopsis:** Dr. Abdullah M. Mkiga is senior entomologist at Tanzania Agricultural Research Institute (TARI). Dr. Mkiga was ARPPIS-DAAD doctoral scholar under the project “Strengthening Citrus Production Systems through the Introduction of Integrated Pest Management (IPM) Measures for Pests and Diseases in Kenya and Tanzania (SCIPM)”. Dr. Mkiga has more than twelve years working in agricultural entomology. His research areas include biology, ecology and sustainable pest control. His interest is mainly in microbial control, biological control and IPM.

### Academic qualifications

2016 – 2020	PhD in Environmental Sciences (Entomology) <b>ARPPIS-DAAD doctoral scholar ICIPE/North-West University South Africa</b>
2011 – 2013	MSc in Crop Science (Entomology) <b>Sokoine University of Agriculture</b>
2006 – 2009	Bachelor of Science in Agriculture general <b>Sokoine University of Agriculture</b>
2004 – 2006	Advanced certificate of secondary education <b>Galanos secondary school</b>
2000 – 2003	Certificate of secondary education <b>Kibaha secondary school</b>

## Working experience

**April 2010- to date:** Senior Entomologist at Tanzania Agricultural Research Institute (TARI).

## Consultancy

Studies on tri-trophic interaction between the host plant/host insect and parasitoids for use in the classical biological control program of Alien invasive fruit flies. IDRC project. January–December 2020, ICIPE, Duduville Campus.

## Publications

Ndlela, S., Obala, F., Mwando N. L., **Mkiga, A.M.**, Azrag, A. G. A., Mohamed, S. A. (2022). Hot Water Disinfestation Treatment Does Not Affect Physical and Biochemical Properties of Export Quality Mango Fruit [*Mangifera indica* L.]. *Agriculture*, 1-26.

Azrag, A. G., Ndlela, S., **Mkiga, A. M.**, & Mohamed, S. A. (2022). Mating frequency of female false codling moth, *Thaumatotibia leucotreta* (Lepidoptera: Tortricidae): trade-off between fecundity and longevity. *Journal of Insect Behavior*, 1-15.

**Mkiga, A. M.**, Mohamed, S. A., du Plessis, H., Khamis, F. M., & Ekesi, S. (2020a). Bio-ecology of false codling moth, *Thaumatotibia leucotreta* (Meyrick)(Lepidoptera: Tortricidae) within citrus orchards in Kenya and Tanzania. *Agricultural and Forest Entomology*, 23(1), 13-22.

**Mkiga, A. M.**, Mohamed, S. A., du Plessis, H., Khamis, F. M., Akutse, K. S., Nderitu, P. W., ... & Ekesi, S. (2020b). Compatibility and efficacy of *Metarhizium anisopliae* and sex pheromone for controlling *Thaumatotibia leucotreta*. *Journal of Pest Science*, 1-15.

**Mkiga, A. M.**, Mohamed, S. A., du Plessis, H., Khamis, F. M., Akutse, K. S., & Ekesi, S. (2020). *Metarhizium anisopliae* and *Beauveria bassiana*: pathogenicity, horizontal transmission, and their effects on reproductive potential of *Thaumatotibia leucotreta* (Lepidoptera: Tortricidae). *Journal of economic entomology*, 113(2), 660-668.

**Mkiga, A. M.**, Mohamed, S. A., du Plessis, H., Khamis, F. M., & Ekesi, S. (2019). Field and laboratory performance of false codling moth, *Thaumatotibia leucotreta* (Lepidoptera: Tortricidae) on orange and selected vegetables. *Insects*, 10(3), 63.

**Mkiga, A. M.**, & Mwatawala, M. W. (2015). Developmental Biology of *Zeugodacus cucurbitae* (Diptera: Tephritidae) in Three Cucurbitaceous Hosts at Different Temperature Regimes. *Journal of Insect Science*, 15(1), 160.

Mwatawala, M., Kudra, A., **Mkiga, A.**, Godfrey, E., Sigalla, J., Virgilio, M., & De Meyer, M. (2015). Preference of *Bactrocera cucurbitae* Coquillett for three commercial fruit vegetable hosts in natural and semi natural conditions. *Fruits*, 333-339.

## Dissertations

**Ph.D. thesis.** Damage to citrus and vegetables by *Thaumatotibia leucotreta* (Lepidoptera: Tortricidae) and prospects for control with entomopathogenic fungi. North-West University South Africa.

**MSc. thesis.** Developmental Biology of fruit fly (Diptera: Tephritidae) species attacking cucurbits. Sokoine University of Agriculture, Morogoro, Tanzania.

**BSc. thesis.** Effect of organic manures on maize yield. Sokoine University of Agriculture, Morogoro, Tanzania.

## Conference

Mkiga A.M., Mohamed, S.A., Duplessis, H. Khamis F. M., and Ekesi S, (2019). *Metarhizium anisopliae* and *Beauveria bassiana*: Pathogenicity, horizontal transmission and their effects on reproductive potential of *Thaumatotibia leucotreta*. *Proceedings of the 23<sup>rd</sup> meeting of scientific conference of African Association of Insect Scientists (AAIS)*. Université Félix Houphouët-Boigny, Abidjan, Côte D'ivoire. 18<sup>th</sup> - 22<sup>nd</sup> November 2019.

## Workshops/meetings

- ✚ 81<sup>st</sup> Plenary Meeting of the International Cotton Advisory Committee in Mumbai, India, from 2-5<sup>th</sup> December 2023.
- ✚ 6th Steering Committee Meeting of the Cotton Victoria Project, Bujumbura, Burundi 28<sup>th</sup> August to 1<sup>st</sup> September, 2023.
- ✚ Global Forum on Biological Control (GFBC), 26 - 27<sup>th</sup> June 2023, Nairobi, Kenya.
- ✚ Harnessing Outputs from CAP-Africa's Global Health, Climate Change, and Education towards a One-Health Research Paradigm for Sustainable Health and Agricultural Value Chains in Kenya, Uganda, Ethiopia, and Tanzania. Nairobi Kenya, 19<sup>th</sup> to the 21<sup>st</sup> of June 2023
  
- ✚ Combating the Invasive Tomato Leafminer, *Tuta absoluta* Through the Implementation of Eco-Friendly IPM Approach on Tomato in East Africa (Tuta IPM). Annual Monitoring and Evaluation Workshop, ICIPE, Duduville Campus, 27<sup>th</sup> February 2020.
  
- ✚ Integrated Biological Control Applied Research Programme (BCARP)- Proven IPM technologies and classical biological measures to manage fruit flies. Haile Resort, Arbaminch in Ethiopia, 10 – 11<sup>th</sup> December 2019.
  
- ✚ Strengthening Citrus Production Systems through the Introduction of Integrated Pest Management (IPM) Measures for Pests and Diseases in Kenya and Tanzania (SCIPM) end of project meeting, Leisure Lodge beach & Golf Resort, South Coast, Kenya 3 – 4<sup>th</sup> December 2018.

## Trainings

- ✚ Biocontrol Training for Stakeholders, Nairobi Kenya, 28-30<sup>th</sup> June 2023
- ✚ Information and Knowledge Management, Tanzania Agricultural Research Institute (TARI) Morogoro region, (2<sup>nd</sup> -4<sup>th</sup> March 2022).
- ✚ Geographic Information Systems (GIS) and Remote Sensing, ICIPE Duduville Campus (23-27<sup>th</sup> November 2015).
- ✚ Insect taxonomy Identification and photography, ICIPE Duduville Campus (30<sup>th</sup> November -8<sup>th</sup> December 2015).
- ✚ Introduction to modelling, ICIPE Duduville Campus (29<sup>th</sup> February – 4<sup>th</sup> March 2016)
- ✚ Molecular Biology and Bioinformatics ICIPE Duduville Campus (18-20<sup>th</sup> November 2015).
- ✚ Biostatistics (15 -26<sup>th</sup> February 2016).

## Referees

<b>Referee 1</b>	
Title and Name	Dr. Paul Sabas Saidia
Position	Centre Director
Institute	Tanzania Agricultural Research Institute (TARI)-Ukiriguru Centre.
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Duration of knowing each other	14 years
Relationship	Work supervisor

<b>Referee 2</b>	
Title and Name	Professor: Maulid Walad Mwatawala
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Relationship	MSc. supervisor

<b>Referee 3</b>	
Title and Name	Dr. Samira Abuelgasim Mohamed
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Duration of knowing each other	9 years
Relationship	PhD supervisor

<b>Referee 4</b>	
Title and Name	Prof. Hannalene du Plessis
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Duration of knowing each other	8 years
Relationship	PhD supervisor