

Abdullah Mohamed Mkiga, PhD - Curriculum vitae

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Synopsis: Dr. Abdullah Mohamed Mkiga is an agricultural 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 a passion for agriculture since then with more than 10 years of working in agricultural pest control particularly Lepidoptera – moths on cotton and other crops. Dr. Mkiga’s research interests are biology, ecology and sustainable management of agricultural pests mainly on the use of biopesticides, classical biological control and IPM.

Academic qualifications

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

Working experience

April 2010- to date: Agricultural Researcher (Cotton Entomology) Ministry of Agriculture/Tanzania Agricultural Research Institute (TARI)-Ukiriguru.

Publications

Mkiga, A. M., Mohamed, S. A., du Plessis, H., Khamis, F. M., & Ekesi, S. (2021). 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. (2020). 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

PhD 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 23rd meeting of scientific conference of African Association of Insect Scientists (AAIS)*. Université Félix Houphouët-Boigny, Abidjan, Côte D'ivoire. 18th - 22nd November 2019.

Workshops

- Combating the Invasive Tomato Leafminer, *Tuta absoluta* Through the Implementation of Eco-Friendly IPM Approach on Tomato in East Africa (Tuta IPM). **Rapporteur** at Annual Monitoring and Evaluation Workshop, ICIPE, Duduville Campus, 27th February 2020.
- Integrated Biological Control Applied Research Programme (BCARP)- Proven IPM technologies and classical biological measures to manage fruit flies. **Member of workshop committee** at Stakeholder’s workshop held on 10 – 11th December 2019 at Haile Resort, Arbaminch in Ethiopia.
- **Mkiga A. M.** Entomopathogenic fungi as potential biopesticide and its use within IPM context for FCM management, “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 – 4th December 2018.

Trainings

- Geographic Information Systems (GIS) and Remote Sensing, ICIPE Duduville Campus (23-27 November 2015)
- Insect taxonomy Identification and photography, ICIPE Duduville Campus (30th November -8th December 2015)
- Introduction to modelling, ICIPE Duduville Campus (29th February – 4th March 2016)
- Molecular Biology and Bioinformatics ICIPE Duduville Campus (18-20th November 2015)
- Biostatistics (15 -26th February 2016)

Referees

Referee 1	
Title and Name	Dr Samira Abuelgasim Mohamed
Position	Senior Scientist
Institute	International Centre of Insect Physiology and Ecology
Address	P.O. Box 30772-00100 Nairobi, Kenya
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Duration of knowing each other	6 years
Relationship	PhD supervisor

Referee 2	
Title and Name	Professor: Hannalene du Plessis
Position	Senior lecturer
Institute	North-West University
Address	Private Bag X6001, Potchefstroom 2520, South Africa
Email address	hannalene.duplessis@nwu.ac.za
Fax	(018) 293-5280/5205
Office telephone number	27182933863
Duration of knowing each other	5 years
Relationship	PhD supervisor

Referee 3	
Title and Name	Professor: Maulid Walad Mwatawala
Position	Deputy Vice Chancellor (Academic) at Sokoine University of Agriculture
Institute	Sokoine university of Agriculture (SUA)
Address	P. O. Box 3005, Morogoro, Tanzania
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Office telephone number	+255 23 2603681
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Duration of knowing each other	10 years
Relationship	MSc. supervisor