**Abdullah Mohamed Mkiga, PhD - Curriculum vitae**

**Name:** Abdullah Mohamed Mkiga **Position:** Head of Knowledge Management and Communication at TARI Ukiriguru Centre

**Nationality:** Tanzanian **Address** TARI Ukiriguru, P. O. Box 1433

**Marital status:** Married Mwanza, Tanzania

**Language skills:** English, Swahili **Website:** [www.tari.org](http://www.tari.org)

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S**ynopsis:** 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 pests’ control. Dr. Mkiga’s research interests are biology, ecology and sustainable management of agricultural pests particularly on the use of biopesticides, classical biological control and IPM.

**Academic qualifications**

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| 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 at Tanzania Agricultural Research Institute (TARI).

**September 2009** – **March 2010-** Sales Agronomist at East African Seed (T) Ltd. Arusha, Tanzania branch.

**Tasks**

* Promotion of vegetable and cereal seeds to farmers and stockists
* Developing demonstration plots for vegetable and cereal seeds
* Conducting farmers’ field days
* Training farmers and stockists on Good Agronomic Practices (GAP) for new vegetable and cereal seeds.
* Order collection for seed sales

**Consultancy**

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

**Publications**

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: Troticidae) 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* aand *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** atStakeholder’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**

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| **Referee 1** |
| Title and Name | Dr Heneriko Kulembeka |
| Position | Centre Director |
| Institute | Tanzania Agricultural Research Institute (TARI)-Ukiriguru |
| Address | P.O. Box 1433, Mwanza, Tanzania |
| Email address | [cdukiriguru@tari.go.tz](mailto:cdukiriguru@tari.go.tz) and [kulembekah@gmail.com](mailto:kulembekah@gmail.com) |
| Fax | +255 735 983106 |
| Office telephone number | +255 735 983104 |
| Duration of knowing each other | 12 years |
| Relationship | Mentor |

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| **Referee 2** |
| 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 |
| Email address | sfaris@icipe.org |
| Fax | +254-20-86322001/8632002 |
| Office telephone number | +254719052111 |
| Duration of knowing each other | 6 years |
| Relationship | PhD supervisor |

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| **Referee 3** |
| 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 |

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| **Referee 4** |
| 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 |
| Email address | mwatawala@sua.ac.tz |
| Fax | +255 23 2600167 |
| Office telephone number | +255 23 2603681 |
| Mobile phone number | +255767067670 |
| Duration of knowing each other | 10 years |
| Relationship | MSc. supervisor |