

CURRICULUM VITAE

1. Bio data

Names: DR. ANTHONY MWIJE

Nationality: UGANDAN

Postal Address:

Work:

Department of Agricultural Production,
School of Agricultural Sciences,
CAES, Makerere University,
P.O. Box 7062, Kampala, Uganda.

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2. Education

BSc. Agriculture (Crop Science) – Graduation Year 2009.
CGPA 4.42, First Class, MAKERERE UNIVERSITY, UGANDA

MSc. Crop Science (Plant Breeding and Genetics) – Graduation Year 2015.
CGPA 4.5, MAKERERE UNIVERSITY, UGANDA
Thesis: *Heritability analysis of drought adaptation traits in sweetpotato*

Ph.D. Horticultural Science – Graduation Year 2020.
STELLENBOSCH UNIVERSITY, SOUTH AFRICA
Dissertation: *A study of the dynamics of sunburn reduction in apple (Malus domestica) using foliar applications of a combination of boron and calcium.*

3. Publications

- i. Odongo, I. R., Nakanwagi, T. M., Mugume, I., Nsabagwa, M., Nimusiima, A., Ogwang, A.B., Margaret, A., Nahayo, S., Nalwanga, S.F., Sansa-Otim, J., Musiime, I., Kakuru, R., **Mwiye, A.** and Peter Wasswa. 2023. Evaluation of soil fertility status in the Kyoga Basin of Uganda: A physio-chemical study in Buyende and Serere districts. African Journal of Agricultural Research, 19(10): 935-944. DOI: 10.5897/AJAR2023.16385
 - ii. Nsabagwa, M., **Mwiye, A.**, Nimusiima, A., Odongo, R.I., Ogwang, B.A., Wasswa, P., Mugume, I., Basalirwa, C., Nalwanga, F., Kakuru, R., Nahayo, S., Sansa-Otim, J. and Musiime, I. 2021.
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- Examining the Ability of Communities to Cope with Food Insecurity due to Climate Change. *Sustainability* 13: 11047.
- iii. **Mwije, A.**, Hoffman, E.W. and Lötze, E. 2020. Apple Peel Biochemical Changes after Foliar Application of Boron Combined with Calcium II. Photosynthetic Pigments, Total Peroxides and Photochemical Efficiency. *American Journal of Plant Sciences*, 11, 939-964.
 - iv. **Mwije, A.**, Hoffman, E.W. and Lötze, E. 2020. Apple Peel Biochemical Changes after Foliar Application of Boron Combined with Calcium I. Phenolics and Physico-Chemical Attributes. *American Journal of Plant Sciences*, 11, 965-986.
 - v. **Mwije, A.** 2017. Pioneering a new paradigm of sunburn mitigation in apples. In: *Bringing Science to Communities: Voices from the Field (Issue 1)* (Ed. Withers, J). A RUFORUM Publication. Kampala, Uganda.
 - vi. **Mwije, A.**, Mukasa, S.B., Gibson, P., Kyamanywa, S. 2014. Heritability analysis of putative drought adaptation traits in sweetpotato. *African Crop Science Journal*, 22, 79-87.
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4. Conferences

- i. **Mwije, A.**, Ijala, A.R., Odong, T.L., Kasharu, A., Muwanga, S., Okello, R.C.O., Ochwo, M.S. and Ayume, R. 2022. Effect of selected plant growth regulator formulations on the vegetative growth of plagiotropic branches in robusta coffee (*Coffea canephora*). RUFORUM AGM Conference, Harare, Zimbabwe. **(Poster)**.
 - ii. **Mwije, A.**, Hoffman E.W. and Lötze, E. 2018. Investigating mode of action by which boron plus calcium foliar applications reduce apple sunburn. African Combined Congress, Cape Town, South Africa. **(Oral)**.
 - iii. **Mwije, A.**, Hoffman E.W. and Lötze, E. 2018. Sunburn incidence and polyphenol patterns as influenced by boron plus calcium foliar applications in 'Cripps Pink' apple. African Combined Congress, Cape Town, South Africa. **(Oral)**.
 - iv. **Mwije, A.**, Hoffman E.W. and Lötze, E. 2016. Foliar nutrition regimes of combined boron and calcium minerals ameliorate photo-thermal stress tolerance in apple fruits. RUFORUM Biennial Conference, Cape Town South Africa. **(Oral & Poster)**.
 - v. **Mwije, A.**, Mukasa, S.B., Gibson, P., Kyamanywa, S. 2013. Heritability analysis of putative drought adaptation traits in sweetpotato. African Crop Science Conference, Entebbe, Uganda. **(Oral)**.
 - vi. **Mwije, A.**, Mukasa, S.B., Gibson, P., Kyamanywa, S. 2013. Use of phenotypic responses at varying water regimes in selecting drought tolerant sweetpotato. African Crop Science Conference, Entebbe, Uganda. **(Poster)**.
 - vii. **Mwije, A.**, Mukasa, S.B., Gibson, P., Kyamanywa, S. 2013. Development of elite and adaptable sweetpotato clones in Uganda under the BIOEARN and BIOINNOVATE programmes. 1st BioInnovate Conference Addis Ababa, Ethiopia. **(Poster)**.
 - viii. **Mwije, A.**, Mukasa, S.B., Gibson, P., Kyamanywa, S. 2012. Analysis of heritability and drought adaptation traits in selected Ugandan sweetpotato cultivars. NGAA Project Dissemination Conference, Makerere University, Kampala, Uganda. **(Oral & Poster)**.
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5. Research grants and fellowships

- i. 2022/2024: RUFORUM-Carnegie Post –Doctoral Fellowship: Towards increasing production and exploitation of sorghum for livelihood improvement in Uganda (60,000 USD)
- ii. 2021/2022: Principal Investigator. Government of Uganda Research and Innovations Funded Project: Towards increased coffee farm yields by synchronizing coffee tree flowering habit under a changing climate (99 Million UGX)

- iii. 2020/2021: Co-PI RIF Funded Project: Towards increased smallholder flower production in Uganda (79 Million UGX)
 - iv. 2020/2021: Co-PI: RIF Funded Project: Towards a Food secure Uganda under a changing climate (150 Million UGX).
 - v. 2015-2019: GTA fellowship for PhD Study Program (15,000 USD)
 - vi. 2012-2014: Carnegie Fellowship to complete MSc studies (11,000 USD).
 - vii. 2009-2013: BIOEARN and BIOINNOVATE MSc Fellowship (20,000 USD)
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6. Short trainings, Workshops, Symposiums, Seminars and Talks

- 2023: Keynote Speaker – Commercialisation of Agricultural Research Products in Africa, for the “Sharing What Works’ RUFORUM Webinar Series.
Webinar 2: Harnessing Advances in Delivery of Agricultural Technologies.
<https://ruforum.wordpress.com/2023/09/05/ruforum-webinar-series-sharing-what-works-webinar-2-harnessing-advances-in-delivery-of-agricultural-technologies/>
<https://www.youtube.com/watch?v=PW8LHw-i5HE>
 - 2023: Associate Editor Mentoring Workshops and Peer-Review Process. CABI Knowledge Business
 - 2023: AESOP4FOOD (Action For Education Spatial Organisation and Planning For Sustainable Food): Attended Four Month (March-June) Seminars on Sustainable City-Region-Food Systems of the Erasmus+collaboration project AESOP4FOOD.
 - 2022: Research Writing in the Sciences. Online Course organised by AuthorAID.
 - 2018: Doctoral Research and Supervision (Makerere University).
 - 2018: GIS Fundamentals (Makerere University).
 - 2018: Information Competency and Management (Makerere University).
 - 2018: Philosophy of Methods Course (Makerere University).
 - 2017: Start –to-Finish guide to research projects for Agri-Scientists (NQF Level 6). African Doctoral Academy, Stellenbosch University.
 - 2017: The Digital scholar: Using emerging and multi-media technologies (NQF Level 6). African Doctoral Academy, Stellenbosch University.
 - 2016: HORTGRO Science Technical Symposium. Simondium, Western Cape, SA.
 - 2015: Research and Proposal writing. Online Course organised by AuthorAID.
 - 2015: Postgraduate skill: Stellenbosch University: Creating a Dissertation.
 - 2015: Postgraduate skills: Stellenbosch University: Embarking on a Research Degree.
 - 2015: Postgraduate skills: Stellenbosch University: Microsoft Word for Large documents.
 - 2015: Postgraduate skill: Stellenbosch University: How to write a Scientific Paper.
 - 2014: IFS Collaborative Research Skills, Ouidah, Benin.
 - 2014: Bioinformatics and Genomics workshop, Makerere University.
 - 2014: Sweetpotato seed systems North Carolina State University, Raleigh, USA.
 - 2014: EDULINK funded workshop on skills to teach and make curriculum for Agricultural Colleges, Chinhoyi University of Technology, Zimbabwe.
 - 2014: Molecular Diagnostics, BeCA-ILRI, Nairobi, Kenya.
 - 2014: Leadership and communication skills for Scientists, Bill and Melinda Gates Foundation, Seattle, Washington, USA.
 - 2012: Scholarly writing & Research management, Makerere University.
 - 2009: Marker Assisted Selection in Crop Breeding and Bioinformatics, BeCA-ILRI, Kenya.
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7. Professional skills

- i. Team work, and ability to work with diverse people from different cultural backgrounds.
 - ii. Report writing skills
 - iii. Communication skills
 - iv. Experiment and/or project research data collection,
 - v. Research resources mobilisation and evaluations.
 - vi. Excellent computer skills with MS programs
 - vii. Statistical data analysis with programs like MINITAB, R, and XLSTAT
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8. Professional memberships

- i. International Society for Horticultural Science. **2020 – Present.**
 - ii. African Crop Science Society (ACSS). **2012-2019.**
 - iii. Member South African Horticultural Society (SAHS). **2015 to 2020.**
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9. Languages and Hobbies

Languages:

International Languages:

- i. Very proficient in English
- ii. Level 1 Mandarin – Chinese
- iii. Basic Swahili.

Local Ugandan Languages:

- i. Very proficient in Runyankore / Rukiga,
- ii. Luganda,
- iii. Basic Runyoro and Rutooro.

Hobbies: Networking, Volley ball, Camping and Travelling, Photography, Home gardening.

10. Referees

- i. Prof. Johnny Mugisha
School of Agricultural Sciences, CAES, Makerere University
Tel: +256 77 3 155 702 Email: johnnymugisha@gmail.com
 - ii. Dr. Osiru Moses
Regional Coordination Unit (RCU) Manager. PASET Regional Scholarship & Innovation Fund,
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