

Curriculum Vitae



DEUSEDIT PETER MLAY (PhD)

1. Personal particulars

Name	DEUSEDIT PETER MLAY
Date and place of birth	4 th April 1972 Dar es Salaam.
Nationality	Tanzanian (by birth)
Marital status	Married
Sex	Male
Proficiency in language	Swahili, English
Contact address	TARI Ukiriguru, P.O. Box 1433, Mwanza, Tanzania Tel. 028 2550215 Mobile: 0713 580 438, 0625 798 436 and 0752 702 777 Fax 028 2550214 E-mail: <i>pdmlay@gmail.com</i> deuseddit.peter@tari.go.tz

2. Educational background and professional training

Profession	Agronomist cum Soil Scientist (Fertility).
Profession Education	<ul style="list-style-type: none"> ▪ PhD. Soil Science (Fertility), Sokoine University of Agriculture, Morogoro, Tanzania Year 2006 -2011. ▪ Msc. Soil Science and Land Management, Sokoine University of Agriculture, Morogoro, Tanzania Year 1999 -2002. ▪ Bsc. Agronomy, Sokoine University of Agriculture, Morogoro, Tanzania Year 1995 -1999.
Formal education	<p>Secondary School Education:</p> <ul style="list-style-type: none"> ▪ Popatlal Secondary school, Tanga, Tanzania ACSEE 1992-1994 ▪ Lyamungo Secondary school, Moshi, Tanzania CSEE 1988 - 1991. <p>Primary school education:</p> <ul style="list-style-type: none"> ▪ Kyala Primary school, Moshi, 1981-1987
Special courses	<ul style="list-style-type: none"> ▪ R statistical package, ODK forms creation and their application in ONA/ODK data collection tool, IITA Dar es Salaam. From 3rd November to 6th December 2019. ▪ Strengthening Capacity of the Agricultural Sector to Adapt to Climate Change Impacts in Africa, 5 – 8th June 2012 in Morogoro, Tanzania. ▪ Refresher Course on Root Crop Supply Chain Development in Hawasa, Ethiopia. From 19th to 31st October 2009. ▪ Farming Systems Appraisal (FSA), Umoja Lutheran Hostel, Moshi. From 18 – 29th February 2008. ▪ GIS Application in Food Security, University Collage of Lands, Dar es Salaam, Tanzania. From 1st August to 9th September 2006. ▪ Agriculture in Transition (Sustainable Agriculture), International Agricultural Centre, Wageningen, The Netherlands. From 23rd May to 3rd June 2006. ▪ Soil and water management course held at Egyptian International Centre for agriculture (EICA), Cairo, Egypt. From 10th July to 25th September 2004. ▪ Professional Skills Development Programme Course held at Sokoine University of Agriculture. From 8th September to 10th October 2003.
Workshops and conferences attended	<ul style="list-style-type: none"> • Second Scientific Conference of the Global Cassava Partnership for the 21st Century held in June 18-22, 2012 at the Speke Resort and Conference Centre, Kampala, Uganda. ▪ Knowledge and research for development in East Africa, DAAD Alumni seminar, Nairobi, Kenya. From 23rd to 25th October 2008. ▪ Gender Analysis, ARDI, Ukiriguru, Mwanza, 5th – 10th June 2005. ▪ HIV/AIDS situation in Tanzanian armies and its impact to the Tanzania welfare as a whole held at Kibaha Pwani, Nov. 2002. ▪ CARE International (VSHP) summit held at Kibaha, Pwani, October 2003.

Computer skills	<ul style="list-style-type: none"> ▪ Statistical packages: R software, GENSTAT, SAS, SPSS ▪ Creation of data collection forms and their use in Open Data Kit (ONA ODK platform) ▪ ARC GIS 8.1 ▪ Q- GIS ▪ Microsoft Word. ▪ Microsoft Excel. ▪ Power point.
Extra-Curricular activities	<ul style="list-style-type: none"> i) Senior reviewer of The African Journal of Food, Agriculture, Nutrition And Development (AJFAND). ii) Chairman Research Committee of Tanzania Tobacco Research of Tanzania (TORITA)

3. Professional experience

Actual positions	Responsibilities
1. Centre Research and Innovation Coordinator and Agronomist at TARI Ukiriguru. July 2019 to date.	Charged with Coordination of all research and innovation activities in the Lake Zone, write-up and conducting on-farm research on cassava agronomy and soil fertility management in roots and other crops in the Lake Zone Tanzania.
2. Deputy National Coordinator for Roots and Tuber Research Program November 2020 to date.	Assisting National Coordinator for Roots and Tuber Research Program in coordinating root crops research in Tanzania.

4. Previous positions

1. CARE International HIV project coordinator in all armies in Kibaha district, Coast Tanzania. November 2003 to July 2004.	Charged with implementation, monitoring and reporting of all project activities in all army camps in Kibaha district, Coast region, Tanzania.
2. Agricultural Research Technical Assistant, AVRDC, Arusha, Tanzania. March 2002 to October 2002.	Charged with the daily research conduct at the Centre.

5. Research collaborations, Consultancies and Special assignments

<ul style="list-style-type: none"> • 1. Research Collaborations • Lausanne University, Switzerland: Appointed as Country Research Coordinator in “A microbial revolution: Improving mycorrhizal fungi to increase cassava productivity in Africa Project (2016 to 2019)”. • International Institute for Tropical agriculture (IITA) under African Cassava Agronomy Initiatives (ACAI) project: Appointed as Country Research Coordinator in

“Taking Agronomy to Scale in Cassava-based Systems in Sub-Saharan Africa Project. (2016 to date)”.

- **International Institute for Tropical agriculture (IITA) under SARD-SC project:** Appointed as Collaborator in *“Investigating the role of cassava on the livelihoods of the small-scale farmers in SAGCOT area (Kigoma, Tanzania) (2014 to 2016)”*.
- **International Centre for Tropical Agriculture (CIAT):** Appointed as a visiting researcher on *“Improving the livelihood of African smaller farmers by scaling up the production of cassava material through the adaptation of low-cost techniques developed by CIAT”*, Cali, Colombia, from 17th January to 25th February 2007.
- **International Potato Centre (CIP):** Appointed as a collaborator in conducting research on the *“Impact assessment of the improved sweet potato varieties in the Lake Zone of Tanzania (2006)”*.

2. Consultancies and Special assignments

- **VI-Agroforestry Tanzania:** Appointed as Consultant in preparing and presenting a paper on: *“Contribution of agroforestry on the Right to Food in Tanzania”* in Agroforestry Symposium held in VI-Agroforestry Training Centre on 2 – 4th December 2021.
- **VI-Agroforestry Tanzania:** Appointed as Consultant in: *“Contribution of agroforestry on the Right to Food in Tanzania” (August - September 2021)”*.
- **SOLIDARIDAD:** Baseline Study on Passport to Coffee Export Project (PACE) Project (January – May 2021).
- **SOLIDARIDAD:** Baseline Study on Passport to Coffee Export Project (PACE) Project *Baseline conducted in Mbeya, Songwe and Ruvuma regions* (February - May 2021).
- **SOLIDARIDAD:** To Certification and Beyond: Market Access for Sustainable Coffee, Horticulture and Tea from Tanzania. *Baseline conducted in Mbeya, Songwe, Njombe and Ruvuma regions* (September 2020 – January 2021).
- **VI-Agroforestry Tanzania:** Appointed as Consultant in: *“Rapid assessment of household food security during the period of COVID-19 pandemic in Mwanza city, Tanzania (August - September 2020)”*.
- **VI Agroforestry Tanzania:** Appointed as Consultant in reviewing: *“The benefits of Agroforestry over conversional agriculture in Tanzania and elsewhere (July - August 2020)”*.
- **VI-Agroforestry Tanzania:** Appointed as Consultant in preparing and presenting a paper on: *“Contribution of agroforestry in the livelihood improvement”* in Agroforestry Symposium held in VI-Agroforestry Training Centre on November 2019.
- **HELVETAS Swiss Intercooperation, RIPOMA project, Tanzania:** Appointed as Consultant in *“Conducting a Baseline Survey for RIPOMA Project in Morogoro Region. (November to December 2017)”*.

- **HELVETAS Swiss Intercooperation, Climate Change project, Tanzania:** Appointed as Consultant in “*Conducting an Appraisal on climate change adaptation intervention in Singida region. (June to July 2017)*”.
- **HELVETAS Swiss Intercooperation, EU KUWAKI project, Tanzania:** Appointed as Consultant in “*Conducting a baseline on the Consequences of post-harvest losses to vegetable farmers in Tanzania, A case of Singida region (May to June 2014)*”
- **Plan International South Sudan:** Appointed as Consultant in “*Assessing Agricultural and Livestock potentials in Central Equatorial and Jonglei States*”, 20th January to 19th February 2013.

6. Publications

Papers/Scientific reports

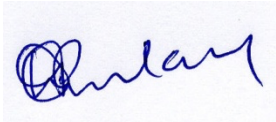
- Peña, R., Lee, S.J., Thuita, M., **Mlay, D.P.**, Masso, Vanlauwe, B., Rodriguez, A. and Sanders, I.R. (2021). The Phosphate Inhibition Paradigm: Host and Fungal Identity Determine Arbuscular Mycorrhizal Fungal Colonization and Responsiveness to Inoculation in Cassava with Increasing Phosphorus Supply. *Frontiers Plant Science (Published on 22nd June 2021)*
- Uzokwe, V.E., **Mlay, D.P.**, Masunga, H.R., Kanju, E., Odeh, I.O.A. and Onyeka, J. (2016). Combating viral mosaic disease in the Lake Zone of Tanzania by intercropping with legumes. *Crop Protection*, 84 (2016) 69-80.
- Masunga, H.R., Uzokwe, V.E., **Mlay, D.P.**, Odeh, I.O.A., Singh, A., Buchan, D. and Neve, S.D. (2016). Nitrogen mineralization dynamics of different valuable organic amendments commonly used in agriculture. *Applied Soil Ecology*, 101 (2016) 185-193.
- Peter, D.**, Mrema, J.P. and Msacky, J.P. (2012) Cassava-legume intercropping: A strategy to the better cassava crop performance. LAMBERT Academic Publishers, Saarbrücken, Germany. **ISBN** : 978-3-659-23185-8.
- Peter, D.**, Mrema, J.P. and Msacky, J.P. (2012) Cassava-legume intercropping: A strategy to the better cassava crop performance. Second Scientific Conference of the Global Cassava Partnership for the 21st Century held from 18th to 22nd June, 2012 at Speke Resort and Conference Centre, Kampala, Uganda.
- Peter, D.**, Mrema, J.P. and Msacky, J.P. (2011) Effects of intercropping cassava with some legumes on cassava growth performance, soil fertility improvement and whitefly control. A thesis submitted in fulfilment of the requirements for degree of doctor of Philosophy of Sokoine university of agriculture. Morogoro, Tanzania. 275pp.
- Jeremiah, S.C., **Peter, D.** and Nyambwe, S. (2007). Cassava brown streak disease status in Musoma rural district, Mara region. 28pp. Unpublished.
- Ishika M. M., **Peter, D.**, Mongi, W., Merumba, S., Ndyetabula. I., Jeremiah, S.C. and Kibura, J. (2006). Impact assessment of the improved sweet potato varieties in the Lake Zone of Tanzania. 20pp. Unpublished.
- Peter, D.** and Semu, E. (2002). Occurrence of Streptomyces antagonistic to plant pathogens in pathogen infested soils. A dissertation submitted in a partial

fulfilment of the requirements for Master of science of Sokoine university of agriculture. Morogoro, Tanzania. 75pp.

Peter, D. and Kilasara, M. (1999). Geomorphic soil type relationships and their use pattern. Case study of Uluguru Mountains, Morogoro, Tanzania. A special project submitted in a partial fulfilment of the requirements for bachelor of science of Sokoine university of agriculture. Morogoro, Tanzania. 89pp

7.0 Referees

1. Dr. Heneriko Kulembeka,
Centre Director,
TARI Ukiriguru,
P.O. Box 1433,
Mwanza, Tanzania.
2. Prof. Johnson, J.T. Msacky,
Sokoine University of Agriculture
(SUA),
P.O. Box 3000,
Morogoro, Tanzania.
3. Prof. J.P. Mrema,
Sokoine Univesity of Agriculture
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