

# Paul Sabas Saidia (PhD)

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📍 Tanzania Agricultural Research Institute (TARI) 1433

## Education

### PhD

Degree of doctor of philosophy (PhD) of Sokoine University of Agriculture (SUA) Tanzania, Master degree (MSc) in Crop Science and Bachelor of Science in Agriculture General of Sokoine University of Agriculture and Diploma in General Agriculture from Agriculture Training Institutes (ATI) Uyole under the Ministry of Agriculture in Tanzania.

### Professional courses include:

Conflict Prevention and Management (CPM) {Conflict awareness and Communication}; Certificate on Eco-physiology of crops in the Tropics and subtropics; International Training Course on Organic Agriculture; Research Methodology and Farming Systems Approach

## Employment

### Research Officer

Tanzania Agricultural Research Institute (TARI)

Tanzania Agriculture Research Institute (TARI), Ukiriguru, Mwanza. Previously, TARI was Directorate of Research Development (DRD) under the Ministry of Agriculture and its centers were Agriculture Research Institutes (ARI) before its establishment as TARI 2016. He is Crop scientist specialized in agronomy and plant physiology. From 2006 to 2010, he worked as agriculture research assistant (field officer) and from 2012 to date, he is working as agriculture researcher. He is conducting researches on natural resources and crop production. He is national coordinator of the Cotton Research Program (NCCRP) in Tanzania since 2020 to date. He is currently a Center Director (CD) of TARI Ukiriguru since June 2022.

## Extracurricular activities

He is a Country Contact Person (CCP) of Tanzania in the Network for Organic Agriculture Research in Africa (NOARA) 2019-2022 one tenure and 2022 to 2025 second term.

He has worked in various projects: Cotton, maize, legumes, natural resource management, organic agriculture and others along the value chain. Some of these projects: Mutation Breeding using Nuclear Technology (January 2024-2027 as Coordinator for Cotton Crop), Beyond Cotton Project in Tanzania (2022 to date as Project Coordinator), International Nitrogen Management System-East Africa (INMS-EADS) (<http://www.inms.international/regional-demos/east-africa-demonstration>) from December 2018 to 2022, Cotton Victoria Project in Africa since 2019 to date as technical focal point for Tanzania (August 2021 to December 2025), Coordinating Cotton

## Personal details

Date of birth

August 8, 1980

Place of birth

Kalambo, Rukwa, Tanzania

Gender

Male

Nationality

Tanzania

Civil status

Married

Website

tari.go.tz

Researcher

## Skills

Plant nutrition, crop physiology, farming systems, cropping systems, agronomy, soil fertility and soil water management, organic agriculture, agroecology

## Languages

Swahili, English

research projects funded by the Tanzania Cotton Board (TCB) since 2020, Cotton organic research program in Tanzania under GIZ from November 2020 to October 2023 as principle investigator, Maize Research Project-Strengthening food security through fall army worm integrated pest management (FAW-IPM) since 2020 to 2023, Maize Research Project "UPSCALE" in Tanzania from November 2020 to date, NOARA-Tz since 2020 to date, Trans SEC ([www.trans-sec.org](http://www.trans-sec.org)) implementing in situ rainwater harvesting, fertilizer micro-dosing and cropping systems 2014-2018 in semi-arid and sub-humid tropical conditions. Seed systems in Tanzania funded by African Center for Biodiversity (ACB) 2014, consultancy funded by Swedish Development Cooperation (SDC) through Tanzania Organic Agriculture Movement (TOAM) while implementing ecological organic agriculture initiatives (EOA-I) project 2014 to 2016. Shamba Shape Up in Kenya for technology dissemination 2019 (conservation agriculture, improved cook stoves and kitchen gardens). He has attended various workshops, conferences and short courses held in Tanzania, Zambia, Kenya, Uganda, Germany, Brazil, and others from 2006 to date.

Dr Saidia is a Deputy Editor In Chief for the Tanzania Journal of Agricultural Sciences (TAJAS) for the first tenure of 3 years since May 2023. He is external examiner of Thesis and Dissertations for Postgraduate Studies.

He is a reviewer of more than 10 international journals with certificates of recognition.

Paul Saidia has published a number of papers in journals and some technical reports which can be accessed through research gates and others (<https://publons.com/researcher/T-7189-2019/>; <https://www.mendeley.com/profiles/paul-saidia2/publications/>; [https://www.researchgate.net/profile/Paul\\_Saidia2](https://www.researchgate.net/profile/Paul_Saidia2); <https://orcid.org/0000-0003-3332-5322>; Scopus Author ID: 57189251643)

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## References

References available upon request.

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## Custom section

### Publications

1. Ndole R.W, Kilasi N.L, Hamisi M.I and **Saidia P.S** (2023). Screening of selected cotton genotypes (*Gossypium* spp) for resistance to fusarium wilt disease in Tanzania. *Journal of Current Opinion in Crop Science* 4 (4): 172 – 178.
2. **Saidia, P.S.** (2023). The Impact of Biochar and Animal Manure on Soil Properties, Yield, and Quality of Crops. In: Jawaid, M., Khan, A. (eds) *Manure Technology and Sustainable Development. Sustainable Materials and Technology*. Springer, Singapore. [https://doi.org/10.1007/978-981-19-4120-7\\_7](https://doi.org/10.1007/978-981-19-4120-7_7). pp 183 - 196.
3. **Paul Saidia**, Caresma Chuwa, and Margaret David Natai (2023). Assessment of dietary diversity among smallholder farmers in contribution to household food, nutrition and income security at Misungwi district in Mwanza region, Lake Zone of Tanzania. *The Pharma Innovation Journal* 2023; 12(4): 14-20.
4. Chuwa C., Ngendello T., **Saidia P.**, and D.P. Mlay (2023). Edible Grasshoppers (*Ruspolia differens*) as alternative source of

- protein from insects to combat malnutrition. *African Journal of Food Agriculture Nutrition and Development* 2023; 23(6): 23576-23589 <https://doi.org/10.18697/ajfand.121.23680>.
5. Caresma Chuwa, **Paul Saidia**, and Anju K. Dhima (2022). Formulation, nutritional and sensory evaluation of ready-to-reconstitute instant weaning mix. *Annals of Phytomedicine* 11 (2): 1 – 10. DOI: <http://dx.doi.org/10.54085/ap.2022.11.2.0>.
  6. Caresma Chuwa, **Paul Saidia**, and Anju K. Dhima (2022). Study on the effect of different treatments on the nutritional quality of cowpea (*Vigna unguiculata*) flour. *The Pharma Innovation Journal* 11 (11): 781 – 786.
  7. E. A. Chilagane, **P. S. Saidia**, F. C. Kahimba, F. Asch, J. Germer, F. Graef, E. Swai and C. L. Rweyemamu (2020). Effects of Fertilizer Micro-dose and In Situ Rain Water Harvesting Technologies on Growth and Yield of Pearl Millet in a Semiarid Environment. *Agricultural Research*; DOI 10.1007/s40003-020-00454-7.
  8. **Paul S. Saidia**, Folkard Asch, Anthony A. Kimaro, Jorn Germer, Frederick C. Kahimba, Frieder Graef, Johnson M. R. Semoka, Cornel L. Rweyemamu (2019). Data in brief on inter-row rainwater harvest and fertilizer application on yield of maize and pigeon-pea cropping systems in sub humid tropics. *Data in brief* 26, 104456, <https://doi.org/10.1016/j.dib.2019.104456>; journal homepage: [www.elsevier.com/locate/dib](http://www.elsevier.com/locate/dib).
  9. **Paul S. Saidia**, Folkard Asch, Anthony A. Kimaro, Jorn Germer, Frederick C. Kahimba, Frieder Graef, Johnson M. R. Semoka, Cornel L. Rweyemamu (2019). Soil moisture management and fertilizer micro-dosing on yield and land utilization efficiency of inter-cropping maize-pigeon-pea in sub humid Tanzania. *Agricultural Water Management* 223 (2019) 105712; <https://doi.org/10.1016/j.agwat.2019.105712>.
  10. **Saidia, Paul**; Asch, Folkard; Germer, Jorn; Graef, Frieder; Kimaro, Anthony; Kahimba, Frederick; Rweyemamu, Cornel; Semoka, Johnson (2019). Data for: Soil moisture management and fertilizer micro-dosing on yield and land utilization efficiency of inter-cropping maize-pigeon-pea in sub humid Tanzania. *Mendeley Data*, v1 <http://dx.doi.org/10.17632/wc85v836vp.1>.
  11. Chilagane, E.A., **Saidia, P.S.**, Kahimba, F.C., Swai, E and Rweyemamu, C.L. (2019). Effect of Fertilizer Micro-Dose and Moisture Management Practices on Agronomic and Economic Performances of Groundnut in Semi- Arid Areas. *Elixir Agriculture* 130: 53085-53091.
  12. **Saidia, PS.**, Graef, F., Rweyemamu, CL, Semoka, JMR., Kimaro, AA., Mwinuka, L, Mutabazi, KD., and Sieber, S. (2018). Nitrogen and Phosphorus Fertilizer Micro-doses on Maize and Its Effect on Profitability: An Evidence from Sub-humid Farming Systems, Tanzania. *Journal of Economics, Management and Trade* 21 (9): 1-10. DOI: 10.9734/JEMT/2018/44157.
  13. H. Graef, D. Kiobia, **P. Saidia**, F. Kahimba, F. Graef & B. Eichler-Löbermann (2018). Combined effects of biochar and fertilizer application on maize production in dependence on the cultivation method in a sub-humid climate. *Communications in Soil Science and Plant Analysis* 49(22): 2905-2917, DOI <https://doi.org/10.1080/00103624.2018.1547392>. ISSN: 0010-3624 (Print) 1532-2416 (Online) Journal homepage: <http://www.tandfonline.com/loi/lcss20>.
  14. Chilagane, E.A., Rweyemamu, C.L. and **Saidia, P.S.** (2018). Effect of Selected Legumes on Biomass Production, Nitrogen Mineralization

- and Grain Yield of Maize in Sub Humid Parts of Tanzania. *International Journal of Science and Research (IJSR)* 7(9): 1358 – 1365; DOI: 10.21275/ART20181526.
15. **Saidia, PS.**, Rweyemamu, CL., Asch, F., Semoka, JMR., Kimaro, AA., Germer, J., Graef, F., Lagweni, P., Kahimba, F. and Chilagane, E. (2018). Effects of nitrogen and phosphorus micro-doses on maize growth and yield in a sub-humid tropical climate. *Annals of Biological Research* 9(2): 20 – 35.
  16. F. Graef, K.D. Mutabazi, S. Sieber, F. Asch, B. Makoko, M. Bonatti, M. Brüntrup, C. Gornott, L. Herrmann, R. Herrmann, L. Kaburire, F.C. Kahimba, A. Kimaro, A. Kuntosch, H.J. König, P. Lagwen, M.A. Lana, C. Lambert, C. Levy, K. Löhr, C. Maeda, H. Mbwana, D. Mchau, M.T. Mnimbo, S. Munder, L. Mwinuka, P. Ngwenya, E. Nickson, E. Nkonya, **P. Saidia**, M.P. Schäfer, J. Schindler, V. Silayo, G. Uckert, J. Wambura and L. William (2018). Multi-Disciplinary North–South Collaboration in participatory Action Research on Food Value Chains: a German–Tanzanian Case Study on Perceptions, Experiences and Challenges. *Syst Pract Action Res.* <https://doi.org/10.1007/s11213-018-9458-7>. © Springer Science+Business Media, LLC, part of Springer Nature 2018.
  17. **P. S. Saidia** and J.P. Mrema (2017) Effects of farmyard manure and activated effective microorganisms on rain-fed upland rice in Mwanza, Tanzania. *Organic Agriculture* 7 (2):83–93. DOI 10.1007/s13165-016-0154-6. Published by Springer.
  18. Frieder Graef, Götz Uckert, Jana Schindler, Hannes Jochen König, Hadijah A. Mbwana, Anja Fasse, Lutengano Mwinuka, Henry Mahoo, Laurent N. Kaburire, **Paul Saidia**, Yusto Mugisha Yustas, Valerian Silayo, Bashir Makoko, Luitfred Kissoly, Christine Lambert, Anthony Kimaro, Stefan Sieber, Harry Hoffmann, Frederick C. Kahimba and Khamaldin D. Mutabazi (2017) Expert-based ex-ante assessments of potential social, ecological and economic impacts of upgrading strategies for improving food security in rural Tanzania using the Scala-FS approach. Springer; *Food Security* DOI 10.1007/s12571-016-0639-x.
  19. Jana Schindler, Frieder Graef, Hannes Jochen König, Devotha Mchau, **Paul Saidia** and Stefan Sieber (2016) Sustainability impact assessment to improve food security of smallholders in Tanzania. Elsevier; *Environmental Impact Assessment Review* 60: 52– 63, <http://dx.doi.org/10.1016/j.eiar.2016.04.006>.
  20. **Paul S. Saidia**, Deusdedit P. Mlay and Simon C. Jeremiah (2019). Nitrogen Cycle, Use efficiency and Management. East Africa Demonstration Site Inception Workshop, 5–6th March 2019, Kisumu City in Kenya. [[https://www.researchgate.net/publication/331558471\\_Nitrogen\\_Cycle\\_Use\\_Efficiency\\_and\\_Management](https://www.researchgate.net/publication/331558471_Nitrogen_Cycle_Use_Efficiency_and_Management)].
  21. Graef, H.A., Kiobia, D.K., **Saidia, P.S.**, Kahimba, F.C., Graef, F. and Eichler-Löbermann, B. (2018). Combined tied ridge, fertilizer microdosing and biochar effects on maize production under contrasting water supply in Tanzania. Tropentag 2018 at Ghent in Belgium, 17– 19 September. [[https://www.researchgate.net/publication/328073079\\_Combined\\_tied\\_ridge\\_fertilizer\\_microdosing\\_and\\_biochar\\_effects\\_on\\_maize\\_production\\_under\\_contrasting\\_water\\_supply\\_in\\_Tanzania](https://www.researchgate.net/publication/328073079_Combined_tied_ridge_fertilizer_microdosing_and_biochar_effects_on_maize_production_under_contrasting_water_supply_in_Tanzania)]
  22. Hannes König, Frieder Graef, Jana Schindler, Anja Fasse, Christine Lambert, Henry Mahoo, Ulrike Grote, Laurent Kaburire, Devotha Mchau, **Paul Saidia**, Götz Uckert, Stefan Sieber, and Khamaldin Daud Mutabazi (2015). Integrated Assessment of Food-Value-

- Chains: The Case of Rural Tanzania. Tropentag, September 16-18, 2015, Berlin, Germany. [ [https://www.researchgate.net/publication/319263814\\_Integrated\\_Assessment\\_of\\_Food - Value-Chains\\_The\\_Case\\_of\\_Rural\\_Tanzania](https://www.researchgate.net/publication/319263814_Integrated_Assessment_of_Food_Value_Chains_The_Case_of_Rural_Tanzania)].
23. **Saidia, P.S.** (2021). Food systems related legal and policy framework in Tanzania. Consultant Report to Tanzania Alliance for Biodiversity (TABIO) and Alliance for Food Sovereignty in Africa (AFSA).
  24. **Saidia, P.S.** (2018). Effects of Nitrogen and Phosphorus Micro-Dosing on Maize-Pigeon Pea Intercrops Grown under Different Soil Moisture Management Practices. A Thesis for The Degree of Doctor of Philosophy (PhD) of Sokoine University of Agriculture, Morogoro, Tanzania.
  25. **Paul.S. Saidia**, Emmanuel. A. Chilagane, Janet. F. Maro and Christian Mrema (2016) Ecological Organic Agriculture in Africa: Book of Abstracts: Researches done from 2012 to 2016 on Ecological Organic Agriculture in Tanzania. Tanzania Organic Agriculture Movement (TOAM) via Sustainable Agriculture Tanzania (SAT).
  26. Mkiga, A.M., **Saidia, P.S** and Aloyce, A. (2014) Capacity for Implementation of Ecological Organic Agricultural Practices: Gender sensitive training needs in Tanzania. Project title EOA-SDC by Tanzania Organic Agriculture Movement (TOAM) via Sustainable Agriculture Tanzania (SAT).
  27. **Saidia, P.S** and Mkiga, A.M (2014) An Overview of Seed Systems in Tanzania. Funded by African Center for Biosafety/ Biodiversity (ACB), South Africa.
  28. **Saidia, P.S** (2013) Response of Upland Rice to Activated Effective Microorganisms (EMA), Farmyard Manure and Nitrogen at Ukiriguru Mwanza Tanzania. MSc. Dissertation at Sokoine University of Agriculture, Morogoro Tanzania.
  29. **Saidia, P.S.**; Chilagane, E.A.; Maro, J.F. and Wostry, A. (2012) Ecological Organic Agriculture in Africa: Report on researches done from 2002 to 2012 on ecological organic agriculture in Tanzania. Ecological Organic Agriculture Initiatives (EOAI) Project funded by Swedish Society for Nature Conservation (SSNC).
  30. P.S. Saidia (2010) Comparative Effectiveness of Organic and inorganic Fertilizers on Maize (*Zea mays* L.) Cultivar Situka growth, development and yield. A report submitted in partial fulfillment of the requirement of degree of B.Sc. Agriculture General of the Sokoine University of Agriculture Morogoro Tanzania, supervised by Dr C.L.Rweyemamu and head of the Department of Crop Science and Production, July 2010. Special/ Research Project.
  31. Saidia, P.S.; Chilagane, D.A.; Wostry,A and Maro,J.F. (2010). Evaluation of EM Technology on Maize (*Zea mays* L.) Growth, Development and Yield in Morogoro Tanzania, Bustani ya Tushikamane Morogoro- Tanzania [[http://kilimo.org/WordPress/?page\\_id=336](http://kilimo.org/WordPress/?page_id=336)]. The research on Effective Microorganism Technology in Tanzania.