

CURRICULUM VITAE OF DR. PAUL SABAS SAIDIA (PhD), 2021

1. PERSONAL INFORMATION

Full Name: PAUL SABAS SAIDIA

Date and place of birth: 8th August, 1980 Matai, Rukwa

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Others: <https://publons.com/researcher/T-7189-2019/>;

<https://www.mendeley.com/profiles/paul-saidia2/publications/>;

https://www.researchgate.net/profile/Paul_Saidia2; <https://orcid.org/0000-0003-3332-5322>; Scopus Author ID: 57189251643; www.tari.go.tz.

2. EDUCATIONAL INFORMATION

- ❖ Doctor of Philosophy (PhD), Crop Science (Agronomy and Physiology) College of Agriculture at Sokoine University of Agriculture (SUA), Morogoro – Tanzania, 2018.
- ❖ Master of Science (MSc): Crop Science (Agronomy and Physiology) at Sokoine University of Agriculture, Morogoro- Tanzania, 2013.

- ❖ Bachelor of Science (BSc): Agriculture General at Sokoine University of Agriculture, Morogoro- Tanzania, November 2010.
- ❖ Diploma: General Agriculture at Agricultural Training Institute-Uyole, Mbeya- Tanzania, June 2006.
- ❖ Advanced Level Secondary School: Form V – VI ACSE at Tosamaganga High School Iringa- Tanzania, Combination of Chemistry Biology and Geography (CBG)- May 2003.
- ❖ Ordinary Level Secondary School: Pre- Form I- IV CSE at St. Joseph’s Kaengesa Seminary Sumbawanga- Tanzania, November 2000.
- ❖ Primary Education: Standard VII at Matai Primary School Rukwa, 1995.

3. PRIZE/ AWARDS ACCEPTED

BACAS prize: Best Final Year Male Student (Overall) in the Faculty of Agriculture at Sokoine University of Agriculture during the academic year 2009/2010, Morogoro- Tanzania.

CLASS OF 1975 prize: Overall Best Final Year Student in B.Sc. (Agriculture General) at Sokoine University of Agriculture during the academic year 2009/2010, Morogoro- Tanzania.

VICE- CHANCELLOR’s Prize: Best First Year Student in B.Sc. (Agriculture General) at Sokoine University of Agriculture during the academic year 2007/2008, Morogoro- Tanzania.

4. PUBLICATIONS/ TECHNICAL REPORTS

4.1 PEER REVIEWED PUBLICATIONS

About 14 papers in international journals

- 1. **Paul Sabas Saidia** (2021). The impact of biochar and animal manure on soil properties, yield and quality of crops. *In: Technologies for Manure Conversion and Recycling*. Edited by Inamuddin, Anish Khan and Eric Lichtfouse, Chapter 7. Publisher is Springer Nature. (*In Press*).
- 2. 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.
- 3. **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.
- 4. **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>.

- **5. 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>.
- 6. 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.
- **7. 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.
- 8. 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>.

- 9. 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.

- 10. **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.

- 11. 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.

- 12. **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.

- 13. 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.
- 14. 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>.

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4.2 POSTERS

- i. **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].
- ii. 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]

- iii. 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].

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4.3 TECHNICAL REPORTS

- 1. **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.
- 2. **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).

- 3. 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).
- 4. **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.
- 5. **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.
- 6. **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).
- 7. Special/ Research Project:
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.
- 8. The research on Effective Microorganism Technology in Tanzania:
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].

5. WORKING EXPERIENCE

- National Coordinator of Cotton Research Programme: Tanzania Agriculture Research Institute (TARI), since November 2020.
- Agriculture Research Officer (ARO): Ministry of Agriculture Food Security and Cooperatives, Tanzania Agriculture Research Institute (TARI), at Agriculture Research Institute -Ukiriguru Mwanza, 2012 to 2021.
- Agriculture Field Officer (AFO_{II}): Ministry of Agriculture Food Security and Cooperatives, at LZARDI-ukiriguru, Mwanza Tanzania 2006- 2010.
- Field Practical I at ARI- Uyole Mbeya, Tanzania, supervised by ARI Uyole staff and the Department of Crop Science and Production SUA, 2009.
- Field Practial II at ARI- Ukiriguru Mwanza, Tanzania, supervised by ARI Ukiriguru staff and the Department of Crop Science and Production SUA, 2010.

6. TRAINING AND SHORT COURSES ATTENDED

- Advanced Training on Conflict Awareness and Communication, held by Dirk Sprenger a Senior Training Facilitator from Germany, organized by Trans SEC (www.trans-sec.org) at Soil Water Research Block, Sokoine University of Agriculture, Morogoro, Tanzania, 9 – 10th September 2016.
- Eco-physiology of Crops in the Tropics and Subtropics, held from 04/07/ to 29/07/2016 by Prof. Dr. Folkard Asch, Department of Agricultural Sciences in the

Tropics (Hans-Ruthenberg-Institute), Section Crop Water Stress Management, University of Hohenheim, Stuttgart, Germany.

- Farming Systems Approach phase 1 (FSA) organized by Directorate of Research and Development of the Ministry of Agriculture Food and Cooperatives at Kingsway Hotel in Morogoro- Tanzania, May 2013.
- Research Methodology organized by Directorate of Research and Development of the Ministry of Agriculture Food and Cooperatives at VETA Morogoro, January 2011.
- International Training Course on Organic Agriculture (ITCOA) at Kampala University in Uganda, July – August 2009.
- Ethics Workshop in the programme of Public Integrity Restoration Initiative (PIRI) of the Institute of Development Studies University of Dar es salaam held at SUA Morogoro Tanzania, April- May 2010.
- English Language Proficiency Certificate of the Sokoine University of Agriculture offered by the Faculty of Science, Morogoro Tanzania 2007- 2010.
- Training on Reproductive Health conducted at Tosamaganga High School in Iringa Tanzania, August 2002.

7. COMPUTER KNOWLEDGE AND SKILLS

- Analytical Package/ Statistical programme: MSTAT C, GenStat, CoStat and SPSS
- Microsoft Office.

8. MEMBERSHIP

- Network for Organic Agriculture Research in Africa (NOARA), as a country focal person for Tanzania since 2019.

- Tanzania Organic Agriculture Movement (TOAM), an umbrella for national organic agriculture in Tanzania, as a researcher and scientist for organic agriculture since 2011.
- International Nitrogen Management System- East Africa Demonstration Site (<http://www.inms.international/regional-demos/east-africa-demonstration>), since December 2018 to date.
- Trans SEC (www.trans-sec.org) work package under natural resource management and crop production, 2014 to date.
- Active member of International Organic Agriculture Movement (IOAM) headed at Kampala Uganda, since 2010
- International Training in Organic Agriculture (ITOA) head quarter at BOKU Viena Austria and Makerere University Kampala Uganda, since July 2009.
- Bustani ya Tushikamane the Garden of Solidarity, currently known as Sustainable Agriculture Tanzania (SAT) being responsible for researches, information office and Agricultural advisory services head quarter at Tushikamane Centre, Kilakala Road Morogoro Tanzania, since March 2010.

9. PRESENTATIONS, CONFERENCES AND KNOWLEDGE DISSEMINATION

- Stakeholders' meeting to discuss and approve the proposed curriculum for Master of Science (MSc.) in Seed Technology and Business; Diploma in Seed Production; and Bachelor of Crop Production and Management. Held in the Department of Crop Science and Horticulture (DCSH) at Sokoine University of Agriculture (SUA), Morogoro, Tanzania, on 31st May 2018.

- Food loss reduction strategy development in favour of smallholder producers in Africa, phase I. Post-harvest maize loss assessment study: A case of Mbozi district, Tanzania. Workshop by FAO held in New Africa Hotel Dar es salaam, 26th August, 2016.
- Write-shop on preparation of manuscripts for peer reviewed publications in journals. Held by Dr. Frieder Graef at ZALF, Munchenberg, Germany, from 28 to 29 July, 2016.
- Training workshop on methodology of food loss assessment, conducted by FAO at Glonnency Hotel 88 in Morogoro, Tanzania 28- 30th June 2016.
- Presentation on “Natural Resource and Crop Production: tied ridges and fertilizer micro-dosing in maize crop”, the workshop prepared by MVIWATA for Local Government Stakeholders (Local Government Stakeholder Workshop) at Mamboya Complex, Kilosa District, 22nd March 2016.
- Presentation of PhD work first phase as elevation pitch “ Effects of N and P micro-dosing on maize and pigeonpea intercrops grown under different soil moisture management practices in Kilosa” 21st September 2015, ZALF- Munchenberg, Germany.
- Presentation of paper “ Overview of seed systems in Tanzania: Farmer based, quality declared and commercial seed systems” during the TABIO seed workshop held in Peacock Hotel City Centre Dar es salaam, Tanzania 23 – 24 September 2014
- The East African Organic Conference at Bank of Tanzania Conference Center July 2 – 4 2013, Dar es salaam, Tanzania.

- Regional Workshop for assessment of Ecological Organic Agriculture (EOA) curriculum in educational and agricultural training institute in Africa, held at Kampala Uganda, 29- 31 January 2013.
- Presentation of paper about effective microorganisms in agriculture in Tanzania. International conference “The 2nd African Organic Conference in Lusaka Zambia 2 - 4 May 2012” available via <http://africanorganicconference.com/> or <http://sdrv.ms/10VfEuk>
- Presentation of paper about EM Technology in maize crop at Lamada Hotel Dar Es Salaam, organized by Tanzania Organic Agriculture movement (TOAM) during the TOAM annual general meeting September 2011.
- Training Farmers from Ilemela, Misungwi, Magu and Sengerema Districts on Organic Agriculture principles and practices, organized by Agency for Cooperation in research and development (ACORD) at Nyakahoja Mwanza, March 2012.
- Farm based practical training to about 30 farmers from Ilemela, Magu and Misungwi Districts about organic inputs like organic manures, botanical pesticides preparation handling and application in organic agriculture at Lukobe village Ilemela District in Mwanza, 6th July 2012.
- Trainings and giving consultancies to farmers at Bustani ya Tushikamane Kilakala Morogoro Tanzania for almost a year, 2010.

10. PROJECTS WORKED

- ✓ Beyond Cotton Project, funded by UNDP Brazil through Brazilian Cooperation Agency (ABC) 2021, my position in the project as the Country Technical Focal Person.
- ✓ Tanzania Cotton Board (TCB) funded projects are under my supervision as Cotton Coordinator since 2020.
- ✓ Cotton Organic Project in Tanzania: Efficacy of botanicals on cotton production, the project started in 2020 November, funded by GIZ (Germany), the position is principle investigator.
- ✓ Cotton Victoria Project: Strengthening regional integration to improve cotton production around Lake Victoria Basin, funded by Brazilian Cooperation Agency (ABC) since 2019, the current position is Tanzania technical focal person for the project. The project started in 2017.
- ✓ International Nitrogen Management System-East Africa (INMS-EADS) (<http://www.inms.international/regional-demos/east-africa-demonstration>) from December 2018 to date. Cotton Victoria Project since 2019 to date. Trans SEC (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.
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11. REVIEW OF PUBLICATIONS

A reviewer of journals like Organic Agriculture Official journal of The International Society of Organic Agriculture Research published by Springer, Cogent Food & Agriculture (<https://cogentagri.editorialmanager.com>), African Journal of Agricultural Research (www.academicjournals.org/Ajar), International Invention Journal of Agricultural and Soil Science (IJAS) (<http://internationalinventjournals.org/journals/IJAS/home.html>), Journal of Experimental Agriculture International (<http://www.sciencedomain.org/journal/51/about-journal>), Journal of Agricultural Science published by the Canadian Center of Science and Education (<http://www.ccsenet.org/journal/index.php/jas>), Asian Journal of Research in Crop Science (2581-7167) (<http://www.journalajrcs.com/index.php/AJRCS>), Journal of Data in Brief (<https://ees.elsevier.com/dib/>), Scientific African published by Elsevier (<https://www.editorialmanager.com/sciaf/default.aspx>), Journal of Agricultural Science and Practice (<https://integrityresjournals.org/journal/JASP>), Journal of Sustainability Science and Management (<https://mc04.manuscriptcentral.com/jsusm>), Journal of Bio-agriculture (<http://ojs.wiserpub.com/index.php/JBA/submissions>) and others.

He is a member of editorial board of the journal Trends in Horticulture (<http://systems.enpress-publisher.com/index.php/TH/about/editorialTeam>) since February 2018.

Paul S Saidia (PhD) is a country (Tanzania) contact person for Network of Organic Agriculture Researchers in Africa (NOARA) since December 2019.

He is also involved in supervision of students at Bachelor and Postgraduate levels from recognized institutes/ colleges/ universities.

He is Board Member of Agriculture Training Institutes (MATI) under the Ministry of Agriculture, and external examiner for Under Graduate and Post Graduate Studies in MATI and SUA since 2019 to date.

12. REFEREES

- Dr. Furaha P. Mrosso (PhD)
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