

Name: Josiah Mwangi Ateka



Profile

Dr Josiah Ateka holds a PhD in Economics (Agric Econ) from Kenyatta University and currently teaches Agricultural and Environmental Economics at Jomo Kenyatta University of Agriculture and Technology (JKUAT), Nairobi, Kenya. His research interests are in the Agriculture–Food–and Environment nexus, in a developing country context. He has capacity to work with both social sciences and natural sciences on agrifood systems related topics including value chains, climate smart agriculture, climate resilience, adaptation and mitigation, and integration of cross-cutting themes especially gender and inclusivity.

Dr Ateka consults for a number of organizations including; Government ministries at the national and county levels in Kenya, HarvestPlus, UN`s Global Alliance for Improved Nutrition (GAIN), World Vegetable Center (World Veg), FAO, UN`s Global Alliance for Improved Nutrition, UN Women, MSI/USAID, Business Advocacy Fund (BAF), Biovision Africa Trust and JICA. Dr Ateka has been actively involved in various research and consultancy projects and has experience in implementing participatory and quantitative research designs (*see list of projects and publications*). He has conducted extensive qualitative and quantitative surveys among rural agricultural and pastoral communities in Kenya. Prior to his current appointment as a Lecturer in Department of Agricultural and Resource Economics (JKUAT), he had held various management positions at KTDA, a leading smallholder organisation where he gained management experience in leading teams. Currently Josiah is working in a project seeking to assess the impact of payment for ecosystem services on livelihood outcomes in Mt Elgon, Kenya.

Education

2018	Ph.D. Economics, Kenyatta University, Kenya
2003	M.Sc. Agricultural Economics, Moi University, Kenya
2000	B. Sc Agricultural Economics, Egerton University

Positions and Employment

2013-Present	Lecturer and Researcher, Department of Agricultural and Resource Economics, Jomo Kenyatta University of Agriculture and Technology (JKUAT)
2007-2012	Manager, Agriculture & Logistics , Kenya Tea Development Agency (KTDA), Nairobi ,Kenya
2002-2007	Smallholder Extension Services Coordinator, Tea Producing Communities in Kenya

Relevant Research Projects and Consultancies

1. Principal Investigator: Effect of Participatory Forest Management on Household Food and Nutrition Security in Kenya funded by IFS, (2022-2024)
2. Co-investigator: Stakeholder analysis for food systems dashboard in Kenya, Indonesia, Bangladesh, Mozambique, and Pakistan, GAIN /JKUAT(2020-2022)
3. Co-investigator: Formulation of the National and sub national Food system Dashboards, GAIN/GOK/ JKUAT (2020-2022)
4. Lead Evaluator Investigator: The Impact of COVID 19 Pandemic on Livelihoods in Africa. Africa Economic Research Consortium (AERC), 2022
5. Baseline study as part of an impact evaluation of Vegetable Business Networks and Regenerative Agriculture on Livelihoods in Kenya, World Vegetable Centre June -Dec 2021)
6. The impact of payment for ecosystem services on livelihood outcomes in Mt Elgon, Kenya.
7. Impact of the Farmer Field School (FFS) for Capacity Development Project for Sustainable Forest Management in the Republic of Kenya, 2019- JICA/JKUAT
8. Assessing the impacts on the welfare of the Forest Investment Program in Mexico. The World Bank, 2018-2019.
9. Impact of Women Empowerment Policies on Nutritional Outcomes in Kenya (2018 - September 2020). Africa Economic Research Consortium (AERC).
10. Landscape analysis of seed and grain market size for high iron beans among selected value chain actors (2021) HarvestPlus and Global Alliance for Improved Nutrition (GAIN).
11. Mapping the nexus between WASH/WRM programming and Education, Health and Environment sectors in Kenya (2020-2021). Kenya Water and Sanitation Civil Society Network (KEWASNET).
12. Capacity building for interdisciplinary and collaborative agroecological and sustainable food systems research in Kenya's National Agricultural Research Systems (2021). Biovision Foundation
13. Forest Dependence and Household Food and Nutrition Security in Mt Elgon Kenya. Research project funded by JICA- Africa-AI-Japan Project , June 2021 to June 2022
14. Impact of Payment for Ecosystem Services (PES) on Livelihood and Forest Condition in Mt Elgon Kenya. 2018-2023
15. Impact of the Farmer Field School (FFS) for Capacity Development Project for Sustainable Forest Management in the Republic of Kenya (CADEP-SFM) Project, A JICA project, July -November 2019
16. Sugarcane Value chain analysis in Kenya, June -September, 2019. Agriculture Industry Network (AIN). The study employed participatory methods to identify policy options for enhancing competitiveness in the sector. The study also compared production systems among various countries in the COMESA region.
17. Formative Assessment for Intervention Design on Improving Nutrition in the Potato Value Chain in Kenya, March - May 2019, Global alliance for Improved Nutrition (GAIN) and The International Fertilizer Development Center (IFDC).
18. Technical support and agribusiness incubation for various dairy processing enterprises under the Marketplace For Nutritious Foods of the UN` s Global Alliance for Improved Nutrition, (2018 - 2019).
19. Impact of agricultural policies on nutritional outcomes in Kenya. March 2018-September 2020. Africa Economic Research Consortium (AERC).
20. Mapping and survey of urban food systems components for Nairobi, 2017-2018. FAO and Nairobi City

County Government (2018-2019). The project assessed the markets for fresh produce and livestock products including milk and meats.

21. The commercialization of Cassava- Insect livestock feed products in Kenya, 2018-2020. JKUAT/National Research Fund.
22. Market Structure Analysis for Major Livestock Trade Routes in East Africa, Regional Pastoral Livelihoods Resilience Project (Ministry of Agriculture, Livestock and Fisheries, Kenya), Jan 2018 – sept 2018. The project assessed the existing livestock trade and marketing infrastructure and generated proposals for enhanced domestic and regional market access of livestock and livestock products (LLPs) along the various value chains.
23. Mango Value Chain and Market Analysis, JKUAT, UN Women, Technoserve and Rockefeller Foundation (June 2018)
24. Evaluation of the ecological agriculture (organic farming) initiative in Kenya, Jan 2017 to Jan 2018. Biovision Africa Trust, ICIPE.
25. Economic feasibility and business planing for the Kalamba Fruit Processing Plant for Makueni County, Makueni County, 2016
26. Evaluation of the Economic Value of Early Warning Systems (EWS) for floods and frost in Kenya, April-Aug 2016. MSI/USAID
27. Feasibility analysis and technical support for the income stabilization mechanisms for smallholder tea farmers in Kenya, March 2016-January 2017. Government of Kenya / AFA.
28. Home garden scaling up vegetable project in East Africa, 2016. World Vegetable Centre, -AVDRC.
29. Innovation systems, agricultural growth and rural livelihoods in East, 2013-2014. ESRC and DFID/ University of Nairobi

Recent Publications

1. **Ateka, J.**, Robert M Mbeche (2023). To sell or store? Assessing smallholder farmers' willingness to pay for potato cold storage in Kenya. <https://onlinelibrary.wiley.com/doi/pdf/10.1002/fes3.439>
2. Odinya, D. W., **Ateka, J. M.**, Mbeche, R. M., & Gicheha, M. G. (2022). Smallholder farmers' intention to use insect-based feed in dairy cattle diet in Kenya. *International Journal of Tropical Insect Science*, 42(6), 3695-3711. <https://doi.org/10.1007/s42690-022-00891-7>
3. Esther Waruingi, **Josiah Ateka**, Robert Mbeche and Raoul Herrmann (2022). Understanding the nexus between forest dependence and willingness to pay for forest conservation: case of forest dependent households in Kenya. *Forestry Economics Review*. <https://www.emerald.com/insight/content/doi/10.1108/FER-02-2022-0003/full/html>
4. Denis Wakaba, **Josiah Ateka**, Robert Mbeche, Luke Oyugi (2022). Determinants of Irish potato (*Solanum tuberosum*) commercialization and market participation by farmers in Nyandarua County, Kenya. *Journal of Agriculture and Food Research* Volume 10, December 2022, 100382 <https://doi.org/10.1016/j.jafr.2022.100382>
5. Patrick Andati, Eucabeth Majiwa, Marther W. Ngigi, Robert Mbeche, **Josiah Ateka** (2022). Determinants of Adoption of Climate Smart Agricultural Technologies among Potato Farmers in Kenya: Does entrepreneurial orientation play a role? *Sustainable Technology and Entrepreneurship* Volume 1, Issue 2, May–August 2022, 100017. <https://doi.org/10.1016/j.stae.2022.100017>
6. Christine Wamuyu, **Josiah Ateka**, Robert Mbeche, Elijah Ateka (2022). Comparing farmers' willingness to pay with costs of clean sweet potato seed multiplication in Kenya. *Food Security*. <https://doi.org/10.1007/s12571-022-01293-w>

7. **Ateka, J.**, Onono-Okelo, P. A., & Etyang, M (2021). Does the inverse farm size productivity hypothesis hold for perennial monocrop systems in developing countries? Evidence from Kenya. *African Journal of Agricultural and Resource Economics* Volume, 16(3), 237-252. [https://doi.org/10.53936/afjare.2021.16\(3\).15](https://doi.org/10.53936/afjare.2021.16(3).15)
8. **Ateka, J.**, Onono-Okelo, P. A., & Etyang, M (2021). Selling at the farmgate? Role of liquidity constraints and implications for agricultural productivity <http://dx.doi.org/10.1080/03031853.2021.1980409>
9. Robert M Mbeche, **Ateka Josiah M**, Raoul Herrmann, Ulrike Grote (2021). *Understanding forest users' participation in Participatory Forest Management (PFM): insights from Mt Elgon forest ecosystem, Kenya. Forest Policy and Economics, 129, 1-12* [https://authors.elsevier.com/sd/article/S1389-9341\(21\)00113-1](https://authors.elsevier.com/sd/article/S1389-9341(21)00113-1)
10. **Ateka, J.**, Robert M Mbeche, F Obebo and D Sila (2021). Preferences and Willingness to Pay for Yogurt Product Attributes Among Urban Consumers in Kenya, *Journal* <https://doi.org/10.1080/08974438.2021.1902449>
11. **Ateka Josiah M**, Robert M Mbeche, Kavoi M Muendo (2021). Determinants of protected tomato production technologies among smallholder peri-urban producers in Kiambu, Kenya. *Journal of Agriculture and Rural Development in the Tropics and Subtropics (JARTS)*, 122(1), 43-52. <https://jarts.info/index.php/jarts/article/view/202102113203>
12. Esther Waruingi, Robert Mbeche, Josiah Ateka (2021). Determinants of forest dependent household's participation in payment for ecosystem services: Evidence from Plantation Establishment Livelihood Improvement Scheme (PELIS) in Kenya. *Global Ecology and Conservation*, Volume 26, 2021, e01514, ISSN 2351-9894. <https://doi.org/10.1016/j.gecco.2021.e01514>
13. P Yego, R Mbeche, **J Ateka**, E Majiwa (2021). Forest-based livelihood choices and their determinants in Western Kenya. *Forest Science and Technology*, 1-9 <http://dx.doi.org/10.1080/21580103.2020.1870577>
14. Christine Wamuyu, **Josiah Ateka**, Robert Mbeche, Elijah Ateka (2020). Seed security for vegetatively propagated orphaned crops and its implication for household food security in rural Kenya: a case of sweet potato (*Ipomea batatas*). *Journal of Agriculture and Food Research*, (2)1-8. <https://doi.org/10.1016/j.jafr.2020.100087>
15. **Ateka, J.M.**, Onono- Okelo, P.A., & Etyang, M. (2019) 'Does participation in farmer field school extension program improve crop yields? Evidence from smallholder tea production systems in Kenya' *International Journal of Agricultural Management and Development*, 9(4), 409-423 http://ijamad.iaurasht.ac.ir/article_670334_e8c826f4bdc58165b6d0f25f1ecaa938.pdf
16. **Ateka Josiah**, Onono P. and Etyang M . (2018). Productivity and Its Determinants in Smallholder Tea Production in Kenya: Evidence from Bomet and Nyamira Counties of Kenya. *Journal of Agricultural Economics and Rural Development* Vol. 4(2), pp. 416-422, May, 2018.
17. **Ateka Josiah**, Onono P. and Etyang M . (2018). Technical Efficiency and its Determinants in Smallholder Tea Production: Evidence from Nyamira and Bomet Counties in Kenya. *Global Journal of Science Frontier Research: D Agriculture and Veterinary*, 18(3).
18. Wanda, D, **Ateka, Josiah**. and Mbeche, R . (2018). Adoption of 'Push-Pull' Biological Control of Striga Weed among Smallholder Maize Farmers in Homa-Bay, Kenya. *Journal of Agriculture, Science and Technology*
19. Wamuyu C., Mbeche R. and **Ateka Josiah** (2017). Consumer Acceptance of Genetically Modified Foods in Kenya. Paper presented during the During the 12th JKUAT Scientific & Technological Conference on Mainstreaming Research and Innovation for Sustainable Development. On 23rd and 24th November 2017 at JKUAT.

20. Kamau, V., **J. Ateka**, R. Mbeche and M. Kavoi (2017). Assessment of the Technical Efficiency of Smallholder Coffee Farming Enterprises in Muranga, Kenya. *Journal of Agriculture, Science and Technology*
21. Mose G.N., Mbeche R., and **Ateka J** (2016). Institutional Innovations for Smallholder Agricultural Production Systems in Kenya: A Case of Smallholder Tea Subsector. *European Journal for Sustainable Development*. European Center of Sustainable Development.
22. Muku O., F.M. Mwaura & and **Ateka J.** (2009). Incorporating Farmers' Characteristics and Aspiration in Poverty Reduction Strategies among Tea Smallholders in Kenya. *Tea Journal*: Vol 29 July 2008.

Referees

<p>Prof Daniel Sila, Jomo Kenyatta University of agriculture and Technology (JKUAT) P. O. Box 62000-00200 Nairobi, Kenya. Tel: + 254-716-238803 Email: dsila@kuat.ac.ke</p>	<p>Professor Willis Oluoch-Kosura Professor of Agricultural Economics, University of Nairobi Telephone: +254722702363 Email: willis.kosura@gmail.com</p>
--	---