

## **CURRICULUM VITAE**

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### **Areas of Expertise:**

*Forest governance; Agriculture; Rural Livelihoods; Landscape Governance and Restoration*

A trained and highly experienced environmental governance practitioner with over ten years' experience in conducting scientific research, implementing climate change projects, forestry, agriculture, gender, economics and livelihoods. I have vast experience in forest governance, rural livelihoods and Agricultural Value Chain Analysis; natural resource valuation; Climate Smart Agriculture; household surveys and writing scientific research articles besides translating science into policy.

### **Educational Background**

**2012-2015:** Doctor of Philosophy Degree (PhD) in Environmental Governance and Management, University of Nairobi.

Doctoral Thesis: **Livelihood Impacts of Decentralized Forest Management: A Case Study of Eastern Mau Forest Reserve, Kenya**

**2006-2009:** Master of Science Degree in Agricultural Economic, University of Nairobi.

MSc Thesis: Determinants of the Adoption of Conservation Tillage in the Semi-Arid Lands of Kenya

**1999-2003:** Bachelor of Science Degree in Agriculture; Second Class Honours, Upper Division, University of Nairobi.

**Related Original Research Articles** <https://scholar.google.com/citations?user=SmdTQ-kAAAAJ&hl=en>:

1. Kaua, C., Thenya, T., & Mutune, J (2022) Analysis of rainfall and temperature trends and variability in semi-arid Tharaka South Subcounty, Kenya. *Climate Research*. Vol.88; Pages 13-38. DOI: <https://doi.org/10.3354/cr01696>
2. Kaua, C., Thenya, T., & Mutune, J. (2021). Analyzing Effects Of Climate Variability In The Nexus of Informal Microfinance Institutions: A Case Study Of Tharaka South Subcounty, Kenya. *Challenges In Sustainability*, 9(1), 1-15. Doi:10.12924/cis2021.09010001
3. Kaua, C. G. ., Thenya, T. ., & Mutune, J. M. . (2021). Analysis of Informal Microfinance Institutions Structures in Relation to Performance in Tharaka South Subcounty, Kenya. *European Journal of Sustainable Development*, 9(3), 457. <https://doi.org/10.14207/ejsd.2020.v9n3p457>
4. Odhiambo, E. G and Mutune, J.M (2020). Putting the Cart Before the Horse? Traders' Compliance with Kenya's Ban on Plastic Carrier Bags. Volume 5, Issue 9, *International Journal of Innovative Science and Research Technology*

5. Gitau, J. K., Mutune, J., Sundberg, C., Mendum, R., Njenga, M. (2019). Implications on Livelihoods and the Environment of Uptake of Gasifier Cook Stoves among Kenya's Rural Households. *Appl. Sci.*, 9, 1205.
6. Gitau, J. K., Mutune, J., Sundberg, C., Mendum, R., Njenga, M. (2019). Factors influencing the adoption of biochar-producing gasifier cookstoves by households in rural Kenya. *Energy for Sustainable Development*. Volume 52, Pages 63-71 <https://doi.org/10.1016/j.esd.2019.07.006>
7. Gitau, J.K. Njenga, M., Mendum, R and Mutune, J.M. (2019). Cleaner cooking while producing biochar: factors affecting adoption of gasifier cookstoves in rural areas. *Energies*, MDPI.
8. Boiyo, V. K., Mutune, J.M and Karatu, J.K. (2019). Implementation of Participatory Forest Management. *Ecology, Environment and Conservation Journal*; Vol 25, pg 319-325.
9. Boiyo, V. K., Mutune, J.M and Karatu, J.K. (2019). Participatory Forest Management System in Urban Forests in Kenya. A case of Ngong Road Forest, Nairobi, Kenya.
10. Kong ' ani, L.N.S Mutune, J.M and Thenya, T.P. (2019). Analysis of climate change knowledge and its implications on livelihood options in Naituyupaki Location, Maasai Mau Forest, Narok County, Kenya. *Asian Journal of Forestry*. Vol 2 (2) pg 62-66
11. Mutune, J. M. (2017). Gender and Generational Aspects of Sustainable Intensification – Social-Economic Dimensions of Kenyan Smallholder Based Agriculture and Food Security. *AgriFoSe2030 -2*. ISBN: 978-91-576-9531-4
12. Mutune, J.M (2018). Community Participation in Transformation of Rural Livelihoods and Climate Smart Farming Technologies in the Semi-Arid Lands, Kenya. Vol. 9 (53-59). DOI: 10.5897/IJPDS2018.0323. *International Journal of Peace and Development Studies*.
13. Muema, E., Mburu, J., Coulibaly, J and Mutune, J (2018). Determinants of access and utilization of seasonal climate information services among smallholder farmers in Makueni County, Kenya. *Heliyon*, Elsevier Vol. 4 (11)
14. Mutune, J.M., Lund, J.F., Wahome, R and Mungai, D.N. (2016). Unpacking the impacts of 'Participatory' Forestry Policies: Evidence from Kenya. *International Journal of Forests Policy and Economics Vol. 69 (45–52)*.
15. Mutune, J.M., Wahome, R.G., Mungai, Lund, J.F., and Hansen, C.P. (2016). What Rights and Benefits? The Implementation of Participatory Forest Management in Kenya: The Case of Eastern Mau Forest Reserve. *Journal of Sustainable Forestry, Vol. 36 (230–249)*.
16. Mutune, J.M., Wahome, R.G and Mungai, D.N. (2015). Local Participation in Community Forest Associations: A case Study of Sururu and Eburu Forest. *International Journal of African and Asian Studies Vol. 24, Page 84-94*.
17. Mutune, J.M. (2017). Gender and Generational Aspects of Sustainable Intensification. Submitted for publication in *Journal of Poverty Alleviation and International Development*.
18. Mutune, J.M., Mburu, J., Nyikal, R and Kironchi, G. (2011). Determinants of adoption of conservation tillage practices in maize-cowpea cropping systems: The case of Makueni District, Kenya. *Journal of Soil Science and Environmental Management Vol. 2(11), pp. 354-361*, Available online at <http://www.academicjournals.org/JSSEM>
19. Mutune, J.M., Odour, A., Cherogony, K., Malesu, M., Karuma, A., Cherogony, M., Nyolei, D., Kandagor, J and Onyango, D. (2012). Food Security Master Plan for Turkana County. Diocese of Lodwar, Lodwar Kenya.
20. Mutune J.M et al (2016) Conflict Course on Natural Resource Management. A Conflict management training module developed and implemented among communities living adjacent to Eastern Mau Forest reserve

21. Okello, J.J., Mutune, J.M., Gitonga, Z. M., Okello, R. M and Rich, K.M (2010). Value chain analysis of the Kenyan poultry industry: The case of Kiambu, Kilifi, Vihiga, and Nakuru Districts. *African/Indonesia Team Working Paper no 24*. International Food Policy Research Institute.

### **Book Chapters:**

1. Kibugi, R., Moseti, B., Muigua, K., Nyukuri, E., Mulwa, R., Ochieng, B., Wandago, B and **Mutune, J. M.** (2019) Legal assessment tool for mainstreaming biodiversity and human Rights and insights for the post-2020 global biodiversity framework. In Ituarte-Lima, C., and Schultz, M., (eds.). *Human right to a healthy environment for a thriving Earth: Handbook for weaving human rights, SDGs, and the post-2020 global biodiversity framework*, SwedBio/Stockholm Resilience Centre, International Development Law Organization, Office of the High Commission of Human Rights-Special Procedures, UN Environment and Natural Justice
2. **Mutune, J.M** and Wahome, R.G. Forest Related Livelihoods. In R.G Wahome, T. Thenya, J, Emborg and V. Vindelov (eds). *Conflicts of Forest Resources Utilization and Livelihoods*. STAKE Synthesis book. The Wangari Maathai Institute for Peace and Environmental Studies (WMI), University of Nairobi. Lambert Academic Publishing 978-613-8-38792
3. **Mutune, J.M** and Wahome, R.G. Access Benefits from Forest Resources. In R.G Wahome, T. Thenya, J, Emborg and V. Vindelov (eds). *Conflicts of Forest Resources Utilization and Livelihoods*. STAKE Synthesis book. The Wangari Maathai Institute for Peace and Environmental Studies (WMI), University of Nairobi. Lambert Academic Publishing 978-613-8-38792
4. **Mutune, J.M** and Wahome, R. G (2018). Community Forestry Associations: Communal Participation in Governance of Forest Resources. In R.G Wahome, T. Thenya, J, Emborg and V. Vindelov (eds). *Conflicts of Forest Resources Utilization and Livelihoods*. STAKE Synthesis book. The Wangari Maathai Institute for Peace and Environmental Studies (WMI), University of Nairobi. Lambert Academic Publishing 978-613-8-38792
5. Wahome, R.G, **Mutune, J.M** and Thenya, T (2018). Livelihood and sharing of costs and benefits accruing from forest related resources. In R.G Wahome, T. Thenya, J, Emborg and V. Vindelov (eds). *Conflicts of Forest Resources Utilization and Livelihoods*. STAKE Synthesis book. The Wangari Maathai Institute for Peace and Environmental Studies (WMI), University of Nairobi. Lambert Academic Publishing 978-613-8-38792

### **Policy Briefs**

1. Mutune, J.M. March 2020. Reaching sustainable intensification in Kenya by involving female smallholders. <https://www.slu.se/en/collaboration/international/slu-global/agrifose/outputs/>
2. Mutune, J.M 2019. Replenish Millions of Kenyan Household's Granaries through Forest Restoration, <https://www.slu.se/en/collaboration/international/slu-global/agrifose/outputs/>
3. Kathambi, B.M and Mutune, J.M 2020. Climate Change Education; The Paradox to Sustainable Food Security in Kenya
4. Kweyu, M,R and Mutune, J.M 2020 Save the Mau through Peace; Integrating Mediation in Forest Conflicts

5. Odhiambo, E.G and Mutune, J.M 2020. Revisiting Kenya's Ban on Plastic Carrier Bags 2 – Social Pillar: Environment, Water, Sanitation and Regional Development. KENYA POLICY BRIEFS Towards Realisation of Vision 2030. Volume 1 No. 2

### Technical reports

- Mutune, J.M., Muthama, J.N., Mutembei, H.M., Kiemi, J.K et al (2018). Strengthening Climate Governance in Kenya (2019). Wangari Maathai Institute University of Nairobi and Pan African Climate Justice Alliance
- Mutune, J.M (2017) Mainstreaming Climate Change and Environmental Resilience in Value Chain Development: Stakeholder Workshop. Agricultural Sector Development and Support Program (ASDSP), Ministry of Agriculture, Nairobi.
- Mutune, J. M and Ochieng R.M (2018). Recommended Climate Change Adaptation Measures for Kilifi and Taita Taveta County. Submitted to BEACON, Kenya.
- Mutune, J. M and Ochieng R.M (2018). Recommended Climate Change Mitigation Actions for Kilifi and Taita Taveta County. Submitted to BEACON, Kenya

### Employment

#### To Date: University of Nairobi

- **Lecturer**, University of Nairobi, Wangari Maathai Institute for Peace and Environmental Studies, from September 2016 to date.
- **Ag. Deputy Director** Wangari Maathai Institute for Peace and Environmental Studies (WMI), University of Nairobi, from December, 2016 to April, 2017.
- **Previously Tutorial Fellow, University** of University of Nairobi, Wangari Maathai Institute for Peace and Environmental Studies, from June 13<sup>th</sup> 2013 to – 30<sup>th</sup> August 2016
- **Program Leader:** Master of Science in Environmental Governance, WMI, University of Nairobi, from October 2013 to date.
- **Post-doctoral Fellow:** ReSAKSS ECA and Agriculture for Food Security Programme from November 2016 to October 2018.
- **Coordinator Experiential Learning**, WMI, 2013 to date
- **Coordinator** Interdisciplinary Land Use and Sustainable Natural Resource Management (SLUSE), University of Nairobi.
- **Coordinator Internship** at Wangari Maathai Institute for Peace and Environmental Studies
- **Chairperson- CAVS Waste Management Committee**

## Academic Conferences Convened and Hosted:

- International Utu Conference on Community Engaged Scholarship and advocacy; held on Thursday June 20, 2019, Wangari Maathai Institute for Peace and Environmental Studies (WMI), University of Nairobi.
- The interdisciplinary conference was co-produced and sponsored by James Madison University and WMI brought both academics and advocacy practitioners from James Madison University, Makueini County, Rhodes College, African Education Program, AMREF, University of Wisconsin-Whitewater, Riara University, Northwestern University, African Leadership Center, Mathare Green Movement and University of Nairobi.
- Agriculture for Food Security Program 2030 Policy Dialogue forum, National level, 2019

## Fellowships

- **Post-doctoral Fellow, World Agroforestry Centre, Nairobi- July 2020-June 30<sup>th</sup> 2022.**
- **Short-Term Post-Doctoral Fellow, Lund University under the Agriculture for Food Security Program 2030 (AgriFoSe 2030),** Funded by SIDA, November 2017- October, 2019
- **Carnegie Africa Diaspora Fellowship Program (CADFP).** Community Engaged Scholarship in collaboration with Prof. Besi Muhonja (JMU), June- August 2018.
- **Doctoral fellowship: Stabilizing Kenya through Solving Forest Related Conflicts,** Funded by DANIDA, 2012-2015

## Research Experience and Consultancies

- **November 2021- October 2023:** Science-based and co-produced transformative Rangeland Management Practices – how to deal with encroachment of unwanted woody species (TRAMAP Kenya), Funded by SIDA within AgriFoSe 2030 Program.
- **October- December 2021:** Baseline Survey Environmental and Land Tenure Assessment, Social Economic – Gender Aspects, Green Belt Movement Mau Restoration Project, funded by AFD
- **March 2021:** Climate Risk Assessment Models for Climate Smart Agriculture and Green Growth. ASDSP Ministry of Agriculture funded by SIDA
- **August- December, 2020:** Kenya Climate Smart Agriculture Program (KSAP): Value Addition and Commercialization of Finger Millet Value Chain, Kericho County
- **October- December 2020:** Editor of ASDSP Prioritized Value Chain Maps for 12 Counties
- **February, 2020:** Situational Analysis and Development of Strategic Management Plan, Marmanet Forests: Kenya Water Towers Authority
- **August, 2019:** Sorghum; Indigenous Poultry and Finger Millet Value Chain: Kenya Climate Smart Agriculture Project (KCSAP), Kericho County (Ksh. 11.5 Million)

- **January 2018/2019:** Agriculture for food Security 2030- Policy and Practice for Food Security, funded by SIDA (Ksh. 1.6 Million)
- **2014-2018:** Launch and Grow project- Mentorship of Women Entrepreneurs in Green Businesses, Kenya- Funded by *Fundacion Mujeres Por Africa* (Ksh. 4.3 Million)
- October- November- 2018: Situational Analysis of Climate Change Governance in Kenya, Pan African Climate Justice Alliance consultancy (Ksh. 2.0 Million)
- **November 2017- January 2018-** Development of County Specific Climate Adaptation Plan and Intended Determined County Contribution, BEACON Consultancy (Ksh. 3.5 Million)
- **March 2017- May 2017: Lead Consultant:** Mainstreaming climate change Act 2016 and Climate Smart Agriculture in value chain development in County Integrated Development Plans, Ministry of Agriculture (Ksh. 1.0 Million)
- **November 2016 to February 2017:** Gender and intergenerational Intensification of Agriculture, short term Post-Doctoral: Department of Human Geography, Lund University
- **2012 to 2015:** Participatory Forest Management and Rural Livelihoods, Doctoral Degree Research, University of Nairobi
- **2009:** Consultant at International Livestock Research Institute on Poultry Value Chain in Kenya

### Student Supervision and Mentorship

S/NO.	Name of Student	Thesis Title	Program	status
1.	Lillian Sarah Kong'ani	Relationship Between Community Livelihood Options and Climate Change Knowledge and Practices: A Case Study of Maasai Mau Forest, Narok County, Kenya 2017	MSc Environmental Governance	<b>Graduated</b>
2.	Sylvia Rotich	Assessment of The Drivers of Community Participation in Participatory Forest Management: A Case of Kessup Forest, Elgeyo-Marakwet County. 2018	MSc Environmental Governance	<b>Graduated</b>
3.	Emily Muema	Determinants of Access and Use of Climate Information Services Among Smallholder Farmers in Makueni County, 2019	MSc Agricultural and Applied Economics	<b>Graduated</b>
4.	Elma Odhiambo	Assessment of Compliance with The Ban on Plastic Carrier Bags; A Case Study from Karen And Kibera Estates of Nairobi, Kenya, 2019	MSc Environmental Governance	<b>Graduated</b>
5.	Victor Boiyo	Rural-Urban Diversity in Implementation of Participatory Forest Management: A Comparative Study of Ngong' Road and Kiptuget Forests, Kenya, 2019	Doctor of Philosophy in Environmental Governance and	<b>Graduated</b>

			Management	
6.	James Kinyua	Evaluation of The Efficiency of Biochar Producing Gasifier Cookstoves Compared to Conventional Biomass Cooking Systems in Smallholder Farms: A Case of Kwale County, Kenya, 2020	Doctor of Philosophy in Environmental Governance and Management	<b>Graduated</b>
7.	Abel Kiprono	An Assessment of the Effectiveness of Mangrove Restoration Projects Along the Kenyan Coast, 2020	MSc Environmental Governance	<b>Graduated</b>
8.	Peter K Chepsiror	Assessment of Benefit-Sharing of Revenues Collected by Water Companies: A Case Study of Eldoret Water and Sanitation Company, 2020	MSc Environmental Governance	<b>Graduated</b>
9.	Mercy Gitau	Analysis of the Role of Waste Pickers on Informal Solid Waste Management: A Case Study of Nairobi County, 2019	MSc Environmental Governance	<b>Graduated</b>
10.	PhD graduated = 3      PhD ongoing= 3 MSc graduated= 7      MSc ongoing = 4			

### Scholarly Presentations

- Forest Governance in Kenya. AgriFoSe Challenge Workshop. Swedish University of Agricultural Sciences, Uppsala, Sweden, October 31 – Nov 1, 2019. Funded by SIDA.
- Enterprise Development Plan for Finger Millet Value Chain. Kenya Climate Smart Agricultural Program, Kericho County. ACK Hall, August, 2019. Kenya Climate Smart Agricultural Program, Government of Kenya.
- Incentives/Benefit Sharing Arrangements in REDD+. The Kenyan Context. Academy of REDD+ workshop held in Mombasa County, Voyager Hotel, 5th- 10th October, 2019. Funded by UNDP
- AgriFoSe, ILRI/AgriFose2030 Policy Training Initiative. Replenishing Millions of Kenya Granaries through Forest Restoration. ILRI, 27th November, 2018. Funded by SIDA
- Training Workshop on Research to Inform Agricultural and Food Security Policy in Kenya, ILRI Nairobi Campus, February 19 – 21, 2018. Funded by SIDA.
- The Second African Dialogue on the World in 2050 (TWI 2050) Kigali, Rwanda, 30 - 31 October 2018. The workshop is being organized in collaboration with the Swedish Resilience Center (SRC) based in Stockholm, Sweden.
- Replenishing Millions of Kenya's Household Granaries through Restoration of Forest Resources. Policy Dialogue and Dissemination Workshop September 25th 2018, Sarova Panafric Hotel, Nairobi, Kenya". Funded by SIDA
- Training Workshop: Research to Inform Agricultural and Food Security Policy and Practice in Kenya February, 2019, ILRI. Funded by SIDA
- Mainstreaming Biodiversity into Agriculture Assessment Tool: IDLO, Park Inn Hotel, Nairobi, July 2016. Funded by UN Environment and Natural Justice
- AgriFoSe Training how to enhance capacity to transform science into policy and practice in the field of food security. Organized by SIDA. Gender and Generational Aspect of Agricultural Intensification. Westwood Hotel, January 23-26, 2017

- Climate Change Act and its relevance to climate resilient agricultural sector development programme. Stakeholder Workshop. Agricultural Sector Development and Support Program (ASDSP), Ministry of Agriculture. Nyeri Agricultural Development Center, 6th June, 2017. Funded by SIDA
- Mainstreaming climate change and environmental resilience in value chain development. Stakeholder Workshop. Agricultural Sector Development and Support Program (ASDSP), Ministry of Agriculture. Nyeri Agricultural Development Center, 5th June, 2017. Funded by SIDA

### **Community/Public Responsibilities**

- Machakos County Environment Committee Member- 2018 to date
- Machakos County Public Service Board- 2020 to date

### **Referees:**

1. Prof. John Muthama,  
Associate Professor, Wangari Maathai Institute for Peace and Environmental Studies  
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2. Prof. Rose Nyikal  
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University of Nairobi  
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3. Dr. Raphael Kweyu  
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Kenyatta University  
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