

CURRICULUM VITAE: PROF. JOHN MBURU

Name and Date of Birth: John Irungu Mburu, born (male) on 21.02.65, Murang'a, Kenya

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Current Institution: Department of Agricultural Economics, University of Nairobi, www.uonbi.ac.ke

Academic Background:

- Ph.D. in Agricultural Resource Economics; specialization in Environment and Resource Economics, Socio-economics of Rural Development and Forestry Policy, University of Goettingen, Germany (Nov 2002)
- MSc. Agr. in Tropical and Subtropical Studies; specialization in Socio-economics of Rural Development, Production Economics and Rural Sociology, University of Goettingen (July 1999)
- Bsc in Agriculture, University of Nairobi (April 1990)

Current Position:

Professor (Chairman (Dec 2015- Nov 2021)), Department of Agricultural Economics, University of Nairobi (UON) (since Nov 2017), started as a Lecturer and Agricultural/Resource Economist in 2007, a position shared by UoN and International Livestock Research Institute (ILRI) in Nairobi (position also funded by the German Centre for International Migration-CIM), June 2007-May 2009.

Research Expertise:

Development of strategic frameworks and master plans, Monitoring, Evaluation and Learning (MEL) expert, Value chain analyst (dairy, beef (live livestock), tea, coffee, horticultural crops, fisheries, potato), Animal (livestock) genetic resources, Economics of livestock breeding, Cost-benefit analysis; Sustainable Livelihoods, Incentives for conservation of agro-biodiversity and natural resources, Climate change, Climate Smart Agriculture (CSA), Cross border trade, Digitalization of agriculture, Economic valuation of marine, forests and wildlife; Climate Change, Stakeholder Mapping, Crop genetic resources, and Policy analysis; Gender analysis (member of corporate committee on gender aspects at the University of Nairobi)

Countries worked: Kenya (all counties except Mandera), Uganda, Tanzania, Ethiopia, Rwanda, South Sudan, Egypt, Sudan, Burundi, DR Congo, Somaliland, Malawi

Consultancies completed (2006-2023):

1. TASAI index for the Kenyan seed sector (2014, 2016, 2018, 2020, and 2022 for TASAI Inc., USA)
2. Regulatory Impact Assessment of the Dairy Regulations developed by the Kenya Dairy Board (2020-2021), for Kenya School of Law and Kenya Dairy Board
3. Dairy and fisheries baseline market research on off-grid cold chains in Kenya covering Lake Naivasha Basin and Lamu County (Jan-March 2020), for World Wide Fund- Denmark
4. Market Survey of horticultural crops in the Lake Naivasha Basin (Sept- Oct 2019), for World Wide Fund- Kenya
5. Climate Smart Agriculture (CSA) Expert, FAO (June 2017 – April 2018). Agricultural and CSA Baseline Survey, and developing a Concept Note and Full Proposal for the proposed project titled *Enhancing Adaptation and Mitigation in Kenya through a Water-Agriculture-Energy Nexus Approach* for submission to the Green Climate Fund (GCF).

6. Conducting mango value chain analysis, business plan and feasibility study of Makueni County mango processing plant (completed in May 2017, EU/Ministry of Devolution and Planning, Kenya, under IDEAS and EURECNA)
7. Validation of livestock Market data in Marsabit, Wajir, Turkana, Garissa and Isiolo (Completed in July 2017, for USAID Kenya and ILRI)
8. Assessing institutional barriers to National Adaptation Plan (NAP) implementation in Kenya's Agricultural Sector (completed in February 2017, for FAO and UNDP Kenya)
9. Assessment of impact of destocking on livestock markets in Marsabit County (Completed in Feb 2017, for Food for the Hungry Kenya)
10. Stakeholder mapping of Nile Basin Stakeholders participating in Nile Discourse Forums in Egypt, Sudan, Ethiopia, South Sudan, Kenya, Uganda, Tanzania, Rwanda, Burundi and DR Congo (completed in November 2015, for Nile Basin Discourse, Entebbe Uganda)
11. Development of Household and Agribusiness baseline surveys covering all the 47 Counties in Kenya for the Agricultural Sector Development Support Program (ASDSP) of the Ministry of Agriculture, Livestock and Fisheries, Kenya (completed in August 2015, for ASDSP)
12. Analysis of the competitiveness and benchmarking of seed sector in Kenya (completed in February 2015, for Kenya Markets Trust)
13. Preparation of a 5-year strategic plan for the Coconut subsector in Kenya (completed in December 2014, for UNIDO Kenya)
14. Preparation of a strategic framework for capacity building of farmer organizations and cooperatives in support of agri-food systems development in East Africa (Kenya, Uganda, Tanzania, Rwanda and Burundi (Completed in September 2014, for FAO Africa)
15. Conducting an analysis of competitiveness of Kenya's Horticultural industry and benchmarking it with that of other horticultural exporting countries such as Uganda, Ethiopia, Peru, Guatemala, Egypt, Colombia, Morocco, and South Africa (Completed in Jan 2014, for FINTRAC, USAID)
16. Carrying out an economic and market analysis study covering the southern rangelands of Southern Kenya, with a key focus on the larger Amboseli ecosystem. The study entails the review of existing and potential economic activities and markets including, agro-forestry, tourism and income-generating opportunities and threats in the area and opportunities for alternative livelihoods, including payment for environmental services and REDD+ (Completed in March 2013)
17. Conducting an economic assessment to identify alternative economic and sustainable livelihood options for the resident communities in Laikipia. The task involved gathering ecological, social and economic information on Laikipia County and recommending the management options that can inform a multi-year strategy for conservation and development in the area (Completed in Dec 2012)
18. Analysis of production, trade and consumption of fruits and vegetables along selected trade corridors in Nile basin countries as well as conducting appropriate baseline surveys and reviews and analyses; building the capacity of commodity groups (e.g. HCA) (Completed in October 2012)
19. Facilitator and Rapporteur of the National Consultative Workshop on Irrigation Reform Implementation and Irrigation Development Strategy, 11th – 12th September 2012, Kenya Institute of Education (KIE), Nairobi. Done for Ministry of Water and Irrigation (Completed in October 2012)
20. Facilitator and Rapporteur of the National Stakeholder's Workshop on National Irrigation Policy and Bill, February 29th 2012, Kenya Institute of Education (KIE), Nairobi. Done for Ministry of Water and Irrigation (Completed in March 2012)
21. Rapportueing during the Agricultural Sector Retreat for Parliamentary Departmental Committee on Agriculture, Livestock and Cooperatives on harmonization and consolidation of Agricultural bills, Leisure Lodge Resort (South Coast), December 15-18th, 2011 (Completed in December 2011)

22. Rapportuering during the 2nd Agricultural Sector Ministers' and Permanent Secretaries Retreat on harmonization and consolidation of Agricultural bills, Leisure Lodge Resort (South Coast), November 10-12th, 2011 (Completed in November 2011)
23. Preparation of Vision 2030 medium term investment plan (MTIP) for Northern Kenya and Other Arid Lands. Done for the Office of the Prime Minister, Ministry of State for Development of Northern Kenya and other Arid Lands (completed in December 2011)
24. Cost-benefit analysis of implementing the proposed NARS Policy in the Agricultural Sector in Kenya. Done by REMPLAI for ASCU, Nairobi (completed in August 2010)
25. Baseline survey on the institutional capacity to manage water, irrigation schemes and forest resources and agro-forestry technologies/practices in a sustainable and participatory way in Western (lower Nzoia River, Mt. Elgon and Cheregany forests) and Central Kenya (Upper Tana catchment, East Aberdare Forest). Done for the Kenya Natural Resource Management (KNRM) project of the Ministry of Water and Irrigation, through REMPLAI (completed in March 2010)
26. Economics of utilization of different livestock breeding methods and strategies in Kenya, Uganda and Rwanda. Done for East Africa Dairy Development (EADD) project of the International Livestock Research Institute (ILRI) (completed in January 2010)
27. Flood control and Management options in Budalangi, lower Nzoia basin, western Kenya; done for Western Kenya Community-Driven Development and Flood Mitigation (WKCDD&FM) Project, through Howard Humphreys (completed in August 2009)
28. Rural electrification demand and potential environmental benefits of Gura Small Hydropower Project, Kenya: being done for 'Greening the Tea Industry in East Africa' (GTIEA) project of the East African Tea Trade Association (EATTA), Kenya (completed in March, 2009)
29. Developing the framework for analyzing national and global costs and benefits for conserving and managing Arabuko Sokoke forest in Kenya: done for CARE-Denmark, completed in April 2007)
30. Analysis of market development for African Leafy Vegetables (ALVs) in Nairobi and implications on on-farm biodiversity conservation: done for International Plant Genetic Resources Institute, Nairobi (completed in November 2006).

University Project Coordination and Research Experience

- 1) Center of Excellence on Sustainable Operations (CSO) for Resource Management and Food Supply, jointly implemented by Kühne Logistics University (KLU), Kühne Foundation, University of Nairobi (UoN) and the University of Dar es Salaam (USDAM) (2021- To-date) (2,000,000 Euro, DAAD funded)
- 2) Africa Milk- Promote Ecological Intensification and Inclusive Value Chains for Sustainable African Milk Sourcing in Kenya (2019- 2022) (300,000 USD, EU LEAPAGRI funded)
- 3) Innovation wallet in agricultural value chains: tomatoes and potatoes (March 2018 to 2021) (25,000 USD, MEDA/IDRC Canada funded)
- 4) Enhanced Preservation of fruits using nanotechnology (Hexanal) in Meru and Machakos County (2016-2018) (500,000 USD, IDRC Canada funded)
- 5) Capacity Building in Food and Nutrition Security in Eastern and Southern Africa (CABFONUS Project), Funded by DAAD through Food Security Centre, University of Hohenheim (2015- 2018) (50,000 DAAD, Germany funded)
- 6) Valorization of Africa Agriculture (VALOR Project) – conditions for potential geographical indications in Kenya related to honey, coffee, tea, local goats, funded by DANIDA (2014-2017) (300,000 USD, DANIDA Denmark funded)

- 7) Drivers, Viability, and Livelihood Impact of Compliance with Private Food Safety Standards among Smallholder Horticultural Producers in Kenya (DriVLIC-Kenya) Project, funded by IDRC (2009-2013) (350,000 USD IDRC Canada funded)
- 8) Baseline survey on tree nurseries' economic viability, technical capacities and value chains. Project conducted in Central and eastern Kenya. Funded by University of Copenhagen, Denmark (January 2012-Sept 2012) (50,000 USD DANIDA, Denmark funded)
- 9) Impact of food safety standards on horticultural smallholders' livelihoods in Kenya, funded by IDRC, Canada (2008-2009) (20,000 USD, IDRC Canada funded)
- 10) Subproject E13 of BIOdiversity Monitoring Transect Analysis in East Africa (BIOTA East AFRICA) project at ZEF (June 2004-May 2007), funded by BMBF, Germany, (600,000 USD, BMBF Germany funded)
- 11) Genetic Resources Policy Initiative (GRPI) project (Nov 2003-May 2007), funded by BMZ/GTZ
- 12) BIOdiversity and Economics for CONservation (BIOECON) project (2002-2004), funded by EU
- 13) Project on Economic Valuation of Indigenous Breeds in East Africa (since 2002), funded by Robert Bosch Foundation
- 14) Project on 'Economic Assessment Methodologies for Valuation of Pollination Services (August 2005-May 2007), funded by FAO
- 15) Involved as an economist in ZEF's 'COCE research subproject on economic valuation of wild populations of *coffea arabica* in Ethiopia' (June 2003-May 2007), funded by BMBF SHIFT Project
- 16) Involved as an economist in ZEF's 'Smallholders in the Amazon: Interaction between Ecosystem and Social Systems in the Utilisation and Protection of Tropical Rainforests, in Brazil'. Conducted a cost-benefit analysis on the feasibility of mulching technology as an alternative to slash and burn practices.

Societies and affiliations

Member of:

1. African Association of Agricultural Economists (AAAE)
2. International Association for the Study of Commons (IASC)
3. International Society for Ecological Economics (ISEE)
4. African Society of Ecological Economics (ASEE) – currently the Treasurer

Selected Publications

Peer reviewed journal articles

1. Adeyanju, D. F., **Mburu, J. I.**, Gituro, W., Chumo, C., Mignouna, D., & Mulinganya, N. (2024) Harnessing the Job Creation Potential of Young Rural Agripreneurs: A Quasi-Experimental Study of the ENABLE Program in Africa. *Available at SSRN 4508716*.
2. Adeyanju, D. F., Akomolafe, K. J., **Mburu, J. I.**, Ohanwusi, E. O., Adebayo, S. A., & Joy, C. (2023). Does entrepreneurship improve the livelihood of young people? Evidence from the NDE program beneficiaries in Kano state, Nigeria. *Cogent Business & Management, 10* (2), 2248735.
3. Adeyanju, D., **Mburu, J.**, Gituro, W., Chumo, C., Mignouna, D., & Mulinganya, N. (2023). Impact of agribusiness empowerment interventions on youth livelihoods: Insight from Africa. *Heliyon, 9*(11).
4. Maina, F., Mburu, J., & Nyang'anga, H. (2023). Access to and utilization of local digital marketing platforms in potato marketing in Kenya. *Heliyon, 9*(8).
5. Korie, N., Njeru, L., **Mburu, J.**, & Gitau, G. (2023). Assessment of factors influencing adoption of tomato post-harvest loss-reduction technologies in Kaduna state, Nigeria. *East African Journal of Science, Technology and Innovation, 4*(2).

6. Adeyanju, D., **Mburu, J.**, Gituro, W., Chumo, C., Mignouna, D., Ogunniyi, A., ... & Ejima, J. (2023). Assessing food security among young farmers in Africa: evidence from Kenya, Nigeria, and Uganda. *Agricultural and Food Economics*, 11(1), 4.
7. Adeyanju, D., **Mburu, J.**, Gituro, W., Chumo, C., Mignouna, D., Mulinganya, N., & Ashagidigbi, W. (2023). Can young agripreneurs improve their skills through agripreneurship empowerment programmes? Evidence from Africa. *Heliyon*, 9(1).
8. Korie, N., Njeru, L., **Mburu, J.**, & Gitau, G. (2022). Effects of selected drivers of information and communication on awareness and perception of tomato post-harvest loss-reduction technologies in Kaduna, Nigeria. *East African Journal of Science, Technology and Innovation*, 4(1).
9. Mujuka, E., Parrot, L., Baird, W., Delettre, E., Simon, J., **Mburu, J.**, & Martin, T. (2022, August). Cost benefit analysis of a netting technology package in real farming conditions among smallholder farmers in Kenya. In *XXXI International Horticultural Congress (IHC2022): International Symposium on Value Adding and Innovation Management in the 1380* (pp. 153-158).
10. Mogotu, M. W., Abong, G. O., **Mburu, J.**, & Ndambi, O. A. (2022). Assessment of hygiene practices and microbial safety of milk supplied by smallholder farmers to processors in selected counties in Kenya. *Tropical Animal Health and Production*, 54(4), 220.
11. Omwoyo C.O, **J. Mburu**, F. Nzuve, J H. Nderitu (2022). Assessment of Maize yield losses due ot the effect of fall armyworm (*Spodoptera frugiperda*) infestation: the case of Trans-Nzoia County, Kenya. International Journal of Pest Management, pp (1-10) <https://doi.org/10.1080/09670874.2022.2107727>
12. Wairimu, E., **J. Mburu**, Ndambi, A & Gachuiiri, C. K., (2022). Factors affecting adoption of technical, organisational and institutional dairy innovations in selected milksheds in Kenya. *Agrekon*, Vol.61, Issue 3, Jul 2022 https://hdl.handle.net/10520/ejc-agrekon_v61_i3_a324
13. Githumbi, R. N., Ogutu, C. A., **Mburu, J. I.**, & Ambuko, J. (2022). Analysis of Drivers of Postharvest Losses Along the Mango Value Chain in Embu and Machakos Counties of Kenya. *Available at SSRN 4258659*.
14. Njuguna E.W. & **J. Mburu** (2022). Household determinants of competing land uses in the Amboseli Ecosystem, Kenya. *Land use Policy* 112 (2022) 105793. 004). [www.elsevier.com/locate/landusepol https://doi.org/10.1016/j.landusepol.2021.105793](https://doi.org/10.1016/j.landusepol.2021.105793).
15. Thongoh, M. W., Mutembei, H. M., **J. Mburu**, & Kathambi, B. E. (2021). An Assessment of Barriers to MSMEs' Adoption of CSA in Livestock Red Meat Value Chain, Kajiado County, Kenya. *American Journal of Climate Change*, 10(3), 237-262.
16. Adeyanju, D., **J. Mburu**, & Mignouna, D. (2021). Youth agricultural entrepreneurship: Assessing the impact of agricultural training programmes on performance. *Sustainability*, 13(4), 1697.
17. Thongoh, M. W., Mutembei, H. M., **J. Mburu**, , & Kathambi, B. E. (2021). Evaluating Knowledge, Attitudes and Practices of Livestock Value Chain Actors on Climate Smart Agriculture/Livestock (CSA/L) in Kajiado County, Kenya. *Asian Journal of Agricultural Extension, Economics & Sociology*, 39(4), 134-148.
18. Adeyanju, D., **J. Mburu**, Mignouna, D., & Akomolafe, K. J. (2021). Determinants of youth participation in agricultural training programs: the case of Fadama program in Nigeria. *International Journal of Training Research*, 19:2, 142-166, DOI: 10.1080/14480220.2021.1905685
19. Wairimu, E., **J. Mburu**, Gachuiiri, C. K., & Ndambi, A. (2021). Characterization of dairy innovations in selected milksheds in Kenya using a categorical principal component analysis. *Tropical animal health and production*, 53(2), 1-12.

20. Adeyanju, D., & **J. Mburu** (2021). Impact of Agribusiness Training on Youth Empowerment: A Case Study of Fadama Graduate Unemployed Youth and Women Support (GUYS) Programme in Nigeria. *African Multidisciplinary Journal of Research*, 5(2).
21. Maina, C. M., Nyang'anga, H. T., **J. Mburu**., Kasina, J. M., Guantai, M. M., Nderitu, J. H., & Gathaara, V. N. (2021). Determinants influencing farmers' use of macadamia nut information sources in central Kenya. *Journal of Agriculture and Food Research*, 5, 100184.
22. Mujuka, E., **J. Mburu**, Ogutu, A., Ambuko, J., & Magambo, G. (2021). Consumer awareness and willingness to pay for naturally preserved solar-dried mangoes: Evidence from Nairobi, Kenya. *Journal of Agriculture and Food Research*, 5, 100188.
23. Vall, E., Mburu, J., Ndambi, A., Sall, C., Camara, A. D., Sow, A., Ba, K., Corniaux, C., Diaw, A., Seck, D., Vigne, M., Audouin, S., Rakotomalala, L. J. E., Rakotonoely, L. N., Ferreira, F. D., Véromalalanirina, E., Rajaonera, M., Ouédraogo, S., Sodré, E., Duteurtre, G. (2021). Early effects of the COVID-19 outbreak on the African dairy industry: Cases of Burkina Faso, Kenya, Madagascar, and Senegal. *Cahiers Agricultures*, 30, 14. <https://doi.org/10.1051/cagri/2020047>
24. Mulbah, F. F., Ritho, C., & **J. Mburu** (2021). Do transaction costs influence smallholder rubber farmers' choice of selling outlets? Evidence from Liberia. *Development in Practice*, 31(1), 69
25. Baraka, B., **J. Mburu** & Muriithi, B. (2021). Transaction costs magnitudes, market participation, and smallholder profitability in rural-urban vegetable supply chain. *International Journal of Vegetable Science*, 27(1), 54-64.
26. Okello, J. J., Shiundu, F. M., Mwendu, J., Lagerkvist, C. J., Nyikal, R. A., Muoki, P., **Mburu J.** Low, J. Hareau G & Heck, S. (2021). Quality and psychosocial factors influencing purchase of orange-fleshed sweetpotato bread. *International Journal of Food Science & Technology*, 56(3), 1432-1446.
27. Kahwai, J. N., Mburu, J. I., & Hutchinson, M. J. (2021). Willingness to Pay for Hexanal Technology among Banana Farmers in Meru County, Kenya. *International Journal of Food Science*, 2021 Article ID 6676148, 10 pages, 2021. <https://doi.org/10.1155/2021/6676148>.
28. Maina, F., **J. Mburu**, G. Gitau, J. VanLeeuwen. (2020). Factors influencing economic efficiency of milk production among small-scale dairy farms in Mukurweini, Nyeri County, Kenya. *Tropical Animal Health and Production* 52 (2), 533-539
29. Adeyanju, D. F., **J. Mburu** & Mignouna, D. (2020). Impact of agricultural programs on youth engagement in agribusiness in Nigeria: A case study. *Journal of Agricultural Science*, 12(5), 145.
30. Bundi, A., **J. Mburu**, Mbogoh, S. G., & Ambuko, J. L. (2020). Factors influencing the adoption of pre-harvest practices among mango farmers in Embu and Machakos counties, Kenya. *International Journal of Postharvest Technology and Innovation*, 7(1), 56-72
31. Mantey, V., **J. Mburu**, C. Chumo. (2020). Determinants of adoption and disadoption of cage tilapia farming in southern Ghana. *Aquaculture*, 735325
32. Mwita, E. M., **J. Mburu**, R. E. J. Oburu, O. Mwai, S. Kahumbu. (2020). Impact of ICT Based Extension Services on Dairy Production and Household Welfare: The Case of iCow Service in Kenya. *Journal of Agricultural Science* 12 (3)
33. Migwi, B., Mutegi, C., **J. Mburu** , Wagacha, J., Cotty, P., Bandyopadhyay, R., & Manyong, V. M. (2020). Assessment of willingness-to-pay for Aflasafe KE01, a native biological control product for aflatoxin management in Kenya. *Food Additives & Contaminants: Part A*, 37(11), 1951-1962.
34. Mujuka, E., **J. Mburu**, A. Ogutu, J. Ambuko. (2020). Returns to investment in postharvest loss reduction technologies among mango farmers in Embu County, Kenya. *Food and Energy Security* 9 (1)

35. Warui, M. W., **J. Mburu**, Kironchi, G., & Gikungu, M. (2020). Existing value addition initiatives enhancing recognition of territorial traits of three Kenyan honey. *The Journal of World Intellectual Property*, 23(3-4), 598-605
36. Nyabaro V., **J. Mburu** and M. Hutchinson (2019). “Factors influencing the participation of women in income sharing in banana (*Musa spp.*) producing households. The case of Meru County, Kenya. *Gender, Technology and Development* 2019, 1-16. <https://doi.org/10.1080/09718524.2019.1669104>
37. Muema E., **J. Mburu**, J. Coulibaly, J. Mutune (2018). Determinants of access and utilisation of seasonal climate information services among smallholder farmers in Makueni County, Kenya, *Heliyon* Volume 4 Issue 11
38. Warui M.W., L. Hansted, M. Gikungu, **J. Mburu**, G. Kironchi, A.S. Bosselmann (2019). Characterization of Kenyan Honeys Based on Their Physicochemical Properties, Botanical and Geographical Origin, *International Journal of Food Science* Volume 2019 Article ID 2932509
39. Maina F.W., **J. Mburu**, C. A. Ogutu, H. Egelyng (2018). Intellectual property and agricultural trade: Producer perceptions of tea and coffee as potential geographical indications, *Open Agriculture* Volume 3 Issue 1 Pages 586-595
40. Nyabaro V., **J. Mburu**, M. Hutchinson (2018). Factors influencing gendered intra-household allocation of land and capital assets in banana (*Musa spp.*) production: The case of Meru County, Kenya, *Journal of the Faculty of Food and Agriculture*, Pages 134
41. Maina F.W., C. A. Ogutu, **J. Mburu**, H. Egelyng (2018). Producers' perception of Geographical Indications as a Product Diversification Tool for Agrifood Products in Semi-Arid Regions of Kenya, *International Journal of Food and Agricultural Economics* Volume 6 Issue 2 Pages 85-100
42. Maina F., **J. Mburu**, G. Gitau, J. VanLeeuwen, Y. Negusse (2018). Economic efficiency of milk production among smallscale dairy farmers in Mukurweini, Nyeri County, Kenya, *Journal of Development and Agricultural Economics* Volume 10 Issue 5 Pages 152-158
43. Diafas I., J. Barkmann, **J. Mburu** (2017). Measurement of Bequest Value Using a Non-monetary Payment in a Choice Experiment—The Case of Improving Forest Ecosystem Services for the Benefit of Local Communities in Rural Kenya, *Ecological Economics* 140, 157-165
44. Ntukamazina N., RN .Onwonga, R. Sommer, J.C. Rubyogo, C.M. Mukankusi, , **J. Mburu**, R. Kariuki (2017). Index-based agricultural insurance products: challenges, opportunities and prospects for uptake in sub-Saharan Africa, *Journal of Agriculture and Rural Development in the Tropics and Subtropics*, Volume 118 Issue 2 Pages 171-185
45. Otieno P.S., C.A. Ogutu, **J. Mburu**, R.A. Nyikal (2017). Effect of Global-GAP Policy on Climate Change Perceptions of Smallholder French Beans Farmers in Central and Eastern Regions, Kenya, *Climate* 5 (2), 27
46. Otieno, P.S., C.A. Ogutu, **J. Mburu**, R.A. Nyikal (2017). Effect of Global-GAP policy on smallholder French beans farmers climate change adaptation strategies in Kenya. *African Journal of Agricultural Research* 12 (8), 577-587
47. Mujuka, E., Affognon, H., Muriithi, B., Subramanian, S., Irungu, P., & **Mburu, J.** (2017). Returns to research and outreach for integrated pest management of western flower thrips infesting French bean and tomato in Kenya. *International Journal of Tropical Insect Science*, 37(2), 114-124. doi:10.1017/S1742758417000029
48. Peter D. M. Mburu, H. Affognon , **J. Mburu** & Suresh Raina(2017). Gender Roles and Constraints in Beekeeping: A Case from Kitui County, Kenya. *Bee World*, Vol. 97 Issue 2, Pages 54-59. Published online: 12 May 2017 <http://dx.doi.org/10.1080/0005772X.2016.1275490>

49. Egelyng, H., A.S. Bosselmann A.S, M. Warui, F. Maina, **J. Mburu**, A. Gyau (2017). Origin products from African forests: A Kenyan pathway to prosperity and green inclusive growth? *Forest Policy and Economics*, 84:38-46.
50. Wango, V.N. **J. Mburu**, R. Onwong'a, R. Nyikal (2016). Assessing Profitability Of Selected Agro-Ecological Intensification Techniques In Sorghum and Cassava Based Cropping Systems In Yatta Sub County, Kenya. *International Journal of Scientific & Technology Research* 5 (5), 187-191.
51. Lawrence, F.G., H. Mutembei, J. Lagat, **J. Mburu**, J. Amimo, A.M Okeyo (2015). Constraints to use of breeding services in Kenya. *International Journal of Veterinary Science* 4 (4), 211-215.
52. Lawrence, F.G., H Mutembei, J Lagat, **J. Mburu**, O. Mwai (2015). A cost-benefit analysis of usage of sexed invitro fertilization embryo transfer in Kenya. *Journal of Agricultural Science and Food Technology* 1 (4)
53. Kanyuuru C. **J. Mburu** and J. Njoka (2015). Adaptation of institutional arrangements to management of Northern Rangelands of Kenya. *Environment, Development and Sustainability* pp 1-16, DOI: 10.1007/s10668-015-9718-y
54. Chege, J. W., Nyikal, R.A., **J. Mburu**, & Muriithi, B.W. (2015). Impact of export horticulture farming on per capita calorie intake of smallholder farmers in Eastern and Central provinces in Kenya. *International Journal of Food and Agricultural Economics*. Vol. 3 No. 4, 2015, pp. 65-81
55. Munialo S., L. Akundabweni **J. Mburu**, Namutebi A., Joshua K., (2015). Investigating viability of premium influenced land agro-usage structure for production of African leafy vegetables in Vihiga and Jinja. *Africa Journal Agricultural Research*, Vol 10 (14), pp. 1659-1674.
56. Egeru, A., Wasonga, O., MacOpiyo, L., **J. Mburu**, Tabuti, J. R., & Majaliwa, M. G. (2015). Piospheric influence on forage species composition and abundance in semi-arid Karamoja sub-region, Uganda. *Pastoralism: Research, Policy and Practice Journal*, 5(1), 1-17.
57. Egeru, A., Wasonga, O., **J. Mburu**, Elhadi, Y., Majaliwa MG., MacOpiyo, L., Bamutaze, Y. (2015). Drivers of forage availability: An integration of remote sensing and traditional ecological knowledge in Karamoja Sub-region, Uganda. *Pastoralism: Research, Policy and Practice* (2015) 5:19
58. Egeru, A., Wasonga, O., MacOpiyo, L., **J. Mburu** & Majaliwa M.G. (2015). Abundance and Diversity of Native Forage Species in Pastoral Karamoja Sub-region, Uganda. *African Study Monographs* 36 (4): 261–297
59. Egeru, A., Wasonga, O., Kyagulanyi, J., Majaliwa, M.G.J., MacOpiyo, L., **J. Mburu** (2014). Spatio-temporal dynamics of forage and land cover changes in Karamoja sub-region, Uganda. *Pastoralism: Research, Policy and Practice Journal*, 2014, 4:6. <http://www.pastoralismjournal.com/content/4/1/6>
60. Egeru, A., Osaliya, R., MacOpiyo, L., **J. Mburu**, Wasonga, O., Barasa, B., Said, M., Aleper, D., and Majaliwa, MGJ. (2014). Assessing the spatio-temporal climate variability in semi-Arid Karamoja sub-region in north eastern Uganda. *International Journal of Environmental Studies*, 71(4), 490-509. <http://dx.doi.org/10.1080/00207233.2014.919729>
61. Mugisha, A., V Kayiizi, D. Owiny, **J. Mburu** (2014). Breeding services and the factors influencing their use on smallholder dairy farms in Central Uganda. *Veterinary medicine international* Volume 2014 (2014), Article ID 169380, 6 pages <http://dx.doi.org/10.1155/2014/169380>
62. **Mburu J.**, T. Karanja-Lumumba, O. Mwai, C., Irungu (2013). Magnitudes and Determinants of Transaction Costs in a Group-Based Livestock Breeding Approach: The Case of Dairy Goats in Eastern Kenya. The Special Issue on Contemporary Research in Business and Economics. *International Journal of Business and Social Science Vol. 4 No. 10*

63. Mbuba D. M. and **J. Mburu** (2013). Estimation of the Tourism Benefits of Kakamega Forest, Kenya: A Travel Cost Approach. *Environment and Natural Resources Research*; Vol. 3, No. 1; 2013. ISSN 1927-0488 E-ISSN 1927-0496
64. Nthambi M., R. Nyikal, **J. Mburu** (2013). Determinants of households' choice of solid waste management options in Kibera Slum, Kenya. *Journal of International Real Estate and Construction Studies* 3 (2), 143.
65. Daniel O. Odero, **J. Mburu**, C. Ackello-Ogutu, J.H. Nderitu (2012). Competitiveness of Smallholder Snap Bean Production in Kirinyaga County, Kenya. *International Review of Business and Social Sciences*, Vol. 2, No. 1; 49-65.
66. Ngigi M.W., J.J. Okello, C.L. Lagerkvist, N. K. Karanja and **J. Mburu** (2011). Urban Consumers' Willingness to Pay for Quality of Leafy Vegetables along the Value Chain: The Case of Nairobi Kale Consumers, Kenya. *International Journal of Business and Social Science*, Vol. 2 No. 7; 208-216.
67. 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/JSSSEM>
68. Muriithi B, **J. Mburu** and M. Ngigi (2011). Constraints and determinants of compliance with EurepGap standards: A case of smallholder French bean exporters in Kirinyaga District, Kenya. *Agribusiness*, Vol. 27 (2) 193–204.
69. Isoto R.E., B. Bashaasha, ATA Basamba, J. Mburu (2011). The impact of an environmental disamenity on land values: case of Kiteezi landfill in Uganda. *International Journal of Environmental Engineering* 3 (3-4), 371-387
70. Kiplagat, A.K., **J. Mburu**, and Mugendi, D.N. (2010). Assessing Tropical Forests' Contribution to Local Communities Livelihoods Using Forest Substitutes. A Case Study of Kakamega Forest, Kenya. *International Journal of Ecological Economics and Statistics (IJEES)* Spring 2010 17(10):51-65.
71. Mueller, D., J. and **J. Mburu** (2009). Forecasting hotspots of forest clearing in Kakamega Forest, Western Kenya. *Forest Ecology and Management*, 257 (2009) 968–977
72. Kasina J.M., **J. Mburu**, M. Kraemer and K. Holm-Mueller (2009). Economic Benefit of Crop Pollination by Bees: A Case of Kakamega Smallholder Farming in Western Kenya. *Journal of Economic Entomology* 102(2): 467-473 (2009) (**An Award-Winning Article in 2010**)
73. Börner, J., **J. Mburu**, P. Guthiga, S. Wambua, (2009), Assessing opportunity costs of conservation: Ingredients for protected area management in the Kakamega Forest, Western Kenya. *Forest Policy and Economics* 11 (2009) 459–467.
74. Abebaw D. **J. Mburu**, K. Holm-Müller (2009). Responding to an Income Shock Through Increasing Forest Extraction: Survey Evidence From Ethiopian Coffee Farmers, *Ethiopian Journal of Economics*, Vol 17, No. 2, 57-76
75. Kipkoech, D.N., **J. Mburu** and C.W. Ritho (2008). Production efficiency in farmers' seed enterprises: case of seed potato in Nyandarua and Molo Districts in Kenya" *East Africa Agriculture and Forest Journal* (2008) 74(2), 103-115
76. Sikei, G., **J. Mburu**, and J. Lagat (2008) 'Household labour allocation to forest extraction and other activities in areas adjacent to tropical forests: the case of Kakamega forest, Western Kenya'. *Int. J. Environment, Workplace and Employment*, Vol. 4, No. 1, pp.32–44.
77. Guthiga P., **J. Mburu** and K. Holm-Mueller (2008). Factors Influencing Local Communities' Satisfaction Levels with Different Forest Management Approaches of Kakamega Forest, Kenya. *Environmental Management* 41:696–706.

78. **Mburu J.** and R. Birner (2007). Emergence, Adoption and Implementation of Collaborative Wildlife Management or Wildlife partnerships in Kenya: A look at Conditions for Success. *Society and Natural Resources* 20, No.5: 379-395.
79. Kiiru, J. and **J. Mburu.** (2007): User Costs of Joint Liability Borrowing and their Effects on Livelihood Assets for Rural Poor Households. *International Journal of Women, Social Justice and Human Rights* 2, No. 2: 87-100.
80. Irungu C., **J. Mburu**, P. Maundu, M. Grum, and I. Hoeschle-Zeledon (2007). Marketing of African Leafy Vegetables in Nairobi. Implications for On-farm Conservation of Biodiversity, *Acta Horticulturae* 752: 197-201.
81. **Mburu J.**, J. Boerner, B. Hedden-Dunkhorst, A. Mendoza-Escalante and K. Frohberg (2007). Feasibility of the mulching technology as an alternative to slash-and-burn farming in eastern Amazon: A cost-benefit analysis. *Renewable Agriculture and Food Systems*, 22, No. 2: 125-133.
82. Prakash T.N., **J. Mburu**, H. Chandrashekar and D. Abebaw (2007). Analysis of Farmers' Willingness to Conserve Traditional Rice Varieties in the Western Ghats of South India. *Outlook on Agriculture* 36, No 2: 137-143.
83. Simtowe F., M., Zeller, A., Phiri, **J. Mburu**, (2007). Long-run determinants of moral hazard in microfinance: a study of group lending programs from Malawi using panel data. *Quarterly Journal of International Agriculture* 46, No. 1: 69-84.
84. **Mburu J.** and E. Wale (2006) "Local Organizations Involved in Conserving Crop Genetic Resources in Ethiopia and Kenya: Conditions for their Emergence and Success in Ethiopia and Kenya", *Genetic Resources and Crop Evolution*, 53: 613-629
85. Abebaw D., K. Holm-Müller and **J. Mburu** (2006). Understanding the Perceived Importance of Risk for Coffee Growers: Empirical Evidence from Ethiopia. *Quarterly Journal of International Agriculture*, 45, No. 3: 253-268.
86. Wale E., K. Holm-Müller, **J. Mburu** and M. Zeller (2005). "Economic Analysis of Farmers' Preferences for Coffee Variety Attributes: Lessons for On-farm Conservation and Variety Adoption in Ethiopia", *Quarterly Journal of International Agriculture*, 44, No. 2: 121-139
87. Irungu C., M. Zeller and **J. Mburu** (2005). "Assessing NGOs' Targeting Performance and Characteristics of Households Participating in Child Development Programmes in Rural Eastern Kenya", *Journal of Agriculture and Rural Development in the Tropics and Subtropics*, 106, No. 2: 119-129.
88. **Mburu J.**, R. Birner and M. Zeller (2003) "Relative Importance and Determinants of Landowners' Transaction Costs in Collaborative Wildlife Management in Kenya: An Empirical Analysis", *Ecological Economics*, 45: 59-73.
89. **Mburu J.** and R. Birner, (2002) "Analyzing the Efficiency of Collaborative Wildlife Management: The Case of Two Community Wildlife Sanctuaries in Kenya", *International Journal of Organization Theory and Behavior*, 5: 259-297.

Books and book chapters

1. Muriithi B, **J. Mburu** and M. Ngigi (2010). Compliance with International food safety standards: Determinants, costs and implications of EurepGAP standards on profitability among smallholders' horticultural exporters in Kenya. ISBN 978-3-8383- 9949-2, LAP Lambert Academic Publishing, Saarbruecken, Germany.
2. Guthiga P.M and **J. Mburu** (2010). "Local extraction needs and forest conservation outcomes under diverse management regimes in Kakamega forest, Kenya." In: Eguavoen I. and W. Laube (eds.),

- Negotiating Local Governance. Natural Resources Management at the Interface of communities and the State*, ZEF Development Studies Vol. 14, pp 59-78, LIT Verlag, Münster, Germany.
3. Kiplagat, K. A., **J. Mburu**, D.N. Mugendi (2009). Valuing the contribution of tropical forests to local communities' livelihoods in Kakamega, Kenya. In: Gaesing, Karin (ed.): *Reconciling Rural Livelihood and Biodiversity Conservation – Lessons from Research and Practice*. SPRING Research Series 52, pp.65-73 : ISBN 3-934525-52-0. International Spatial Planning Centre, Technische Universität Dortmund, Germany
 4. Mugambi D., D. Mugendi D. and **J. Mburu** (2009). Valuing recreational benefits using travel cost method: a case of Kakamega Forest in Kenya. In: Muchiri, M. N.; Kamondo, B.; Ochieng, D.; Tuwei, P.; Wanjiku, J. *Recent advances in forestry research for environmental conservation, improved livelihood and economic development*. Proceedings of the 4th KEFRI Scientific Conference, KEFRI Headquarters, Muguga, Kenya, 6th -9th October 2008. 2009, pp. 265-272 (ISBN 9966-9660-7-2)
 5. Kasina, M.J., **J. Mburu** and K. Holm-Mueller, (2008). Measuring economic value of crop pollination service: An empirical application of contingent valuation in Kakamega, Western Kenya: In *Payment for Ecosystem Services*, chap 6 pp 105-127, Oxford University Press, India.
 6. Cerda C., J. Diafas, J. Barkmann, **J. Mburu** and R. Marggraf (2007). WTP or WTA, or Both? Experiences from Two Choice Experiments for Early Planning Stages. In: Meyerhoff J., N. Lienhoop and P. Elsasser, eds. *State Preference Methods for Environmental Valuation: Applications from Germany and Austria*, Ecology and Economic Research Vol. 76, Metroplis-verlag, Marburg, Germany (ISBN: 978-3-89518-642-4).
 7. Gemill-Herren B., C. Eardley, **J. Mburu**, W. Kinuthia, D. Martins (2007). *Pollinators: Biodiversity and Ecosystem Management in Ecoagriculture*. In: Scherr S. J. and J. A. McNeely, eds. *Farming with Nature: the Science and Practice of Ecoagriculture*, Island Press, Washington, D.C. (ISBN-10: 1-59726-128-9).
 8. Waswa F. and **J. Mburu** (2006). *Potential of Dryland Farming in Kenya and Environmental Implications*. In: Waswa F., S. Otor and D. Mugendi, eds. *Environment and Sustainable Development: A Guide for Tertiary Education in Kenya*, Vol. 1. School of Environmental Studies and Human Science, Kenyatta University, Downtown Printing Works Ltd, Nairobi, pp. 70-90 (ISBN: 9966-776-02-8)
 9. Wale, E. and **J. Mburu** (2006). *Farmers' Preferences for Coffee Variety Attributes: Implications for Extension Policy on Utilization of Improved Varieties in Ethiopia*: In: Alemu G., A. Assefa, D. Wale and Y. Zewdie, eds. *Proceedings of the Third International Conference on Ethiopian Economy*. Ethiopian Economic Association, Addis Ababa, pp. 69-90.
 10. Wale, E. and **J. Mburu** (2006). *Attribute-based Crop Diversity Index and its Implications for On-farm Conservation of Coffee Diversity in Ethiopia*. In: Smale, M., Ed. *Valuing Crop Biodiversity: On-farm Conservation, Genetic Resources and Economic Change*. CABI Publishing, Wallingford, UK, pp. 48-62 (ISBN 0 85199 083 5).
 11. **Mburu J.**, (2002). *Collaborative Management of Wildlife in Kenya: An Empirical Analysis of Stakeholders' Participation, Costs and Incentives*, Socio-economic Studies on Rural Development Vol. 130. Wissenschaftsverlag Vauk Kiel KG, Kiel, Germany (ISSN 0175-2464; ISBN 3-8175-0371-5).

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