

CURRICULUM VITAE: DR. JOHN MBURU

Name and Date of Birth: John Mburu, born 21.02.65, Murang'a, Kenya

Marital Status: Married, with two children

Current Address: 8.4.4 Building, Box 29053-00620 Nairobi, Tel 0721-730443; jmburu@yahoo.com; john.mburu@uonbi.ac.ke

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

Academic Background:

- Ph.D. in Agricultural and 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:

Senior Lecturer, Department of Agricultural Economics, University of Nairobi, June 2009- To-date. Started as a Lecturer, Department of Agricultural Economics, University of Nairobi, and Agricultural/Resource Economist, International Livestock Research Institute (ILRI), Nairobi, (position also funded by the German Centre for International Migration-CIM), June 2007-May 2009.

Research Expertise:

Baseline surveys, Crop genetic resources, Animal (livestock) genetic resources, Economics of livestock breeding, Economic valuation of forests and wildlife; Analysis of the efficient and sustainable approaches of conservation of natural resources; Cost-benefit analysis; Incentives for conservation of biodiversity and natural resources, Market chain analysis, Cross border trade, Climate Change, Microfinance, Poverty and Horticultural commodity value chain analysis

University Teaching:

1. June 2007 – to-date: University of Nairobi

Undergraduate courses: Institutional Economics, Environmental and Social Impact Assessment; Micro-enterprise Development and Management, Environment and Resource Economics, Research Methods and Seminars,

Postgraduate courses Institutional and Behavioral Economics (Msc course), Socio-economics and Natural Resource Management (Msc course) Dryland Resource Economics (PhD course) Environmental Valuation (MA CASELAP course)

2. October 2006-Dec 2008: Shared Facility for Specialization and Electives (SFSE) of the Collaborative Master of Science in Agricultural and Applied Economics (CMAAE), University of Pretoria, South Africa (2006-2008)-: taught Institutional and Behavioural Economics

3. Dec 2002-May 2007: University of Bonn - taught at undergraduate and PhD levels: Environmental and Resource Economics, and New Institutional Economics

Graduate and postgraduate supervision record:

Completed doctoral theses: 5 Ongoing doctoral theses: 6

Completed Msc theses: 14 Ongoing Msc theses: 12

Project Coordination and Research Experience

- 1) 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)
- 2) Drivers, Viability, and Livelihood Impact of Compliance with Private Food Safety Standards among Smallholder Horticultural Producers in Kenya (DriVLIC-Kenya) Project, funded by IDRC (February 2010 – To-date)
- 3) Baseline survey on the institutional capacity to manage water, irrigation schemes and forest resources in a sustainable and participatory way in Western (lower Nzoia River, Mt. Elgon forest and Cheregany forest) and Central Kenya (Upper Tana catchment, East Aberdare Forest), funded by The World Bank (2009-March 2010)
- 4) Impact of food safety standards on smallholders' livelihoods in Kenya, funded by IDRC, Canada (2008-2009)
- 5) Subproject E13 of BIOdiversity Monitoring Transect Analysis in East Africa (BIOTA East AFRICA) project at ZEF (June 2004-May 2007), funded by BMBF, Germany,
- 6) Genetic Resources Policy Initiative (GRPI) project (Nov 2003-May 2007), funded by BMZ/GTZ, 3) BIOdiversity and Economics for CONservation (BIOECON) project (2002-2004), funded by EU,
- 7) Project on Economic Valuation of Indigenous Breeds in East Africa (since 2002), funded by Robert Bosch Foundation
- 8) Project on 'Economic Assessment Methodologies for Valuation of Pollination Services (August 2005-May 2007), funded by FAO
- 9) 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
- 10) 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.

Consultancies on-going and completed:

1. 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 tourism and income-generating opportunities and threats in the area and opportunities for alternative livelihoods (To be completed in March 2013)
2. 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)
3. 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)

4. 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)
5. 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)
6. Rapportuering 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)
7. 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)
8. 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)
9. Cost-benefit analysis of implementing the proposed NARS Policy in the Agricultural Sector in Kenya. Done by REMPAAI for ASCU, Nairobi (completed in August 2010)
10. Baseline survey on the institutional capacity to manage water, irrigation schemes and forest resources 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 REMPAAI (completed in March 2010)
11. 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)
12. 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)
13. 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)
14. 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)
15. 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).

Previous Career Posts

Senior Research Fellow (Dec 2002-May 2007) at the Department of Economic and Technological Change, Center for Development Research (ZEF), University of Bonn

Research group leader (March 2006-May 2007): Natural Resources and Biodiversity Research Group.

Doctoral researcher: University of Goettingen, Germany (1999-2002)

Assisted lecturing in the course: ‘Economics of Sustainable Natural Resource Management in the Tropics and Subtropics’. Other duties included assisting M.Sc. students in the writing of research proposals and data analysis

Divisional Agricultural Extension Coordinator: Ministry of Agriculture, Kenya (1996-1997)

Involved as a research and extension co-ordinator of the activities of the Dryland Applied Research and Extension Project (DAREP)

District Drought Recovery Coordinator: Ministry of Agriculture, Kenya (1993-1995)

Assisted in the implementation of drought recovery strategies and establishment of early warning signs among the Orma semi-nomadic pastoralists and Pokomo subsistence farmers in Tana River District, Kenya.

Farm Manager: Standard Chartered Estate Management Limited, Kenya (1992-1993)

Involved in the management of three coffee estates in Thika, Kenya

Computer Skills

Good knowledge of Word perfect, MS word, Excel Spreadsheet, SPSS, LIMDEP and STATA.

Languages and other skills

English (fluent), Kiswahili (fluent) and German (advanced).

Certificate in Facilitative Skills in Participatory Decision conducted at the ILRI Campus, Addis Ababa, Ethiopia in November 2008

Intra-regional learning and technology transfer as a tool for adaptation to climate change in East African drylands, 2011

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)

Nominations to contribute in the organization of scientific conferences and symposia

1. **Key note speaker:** Expanding the Frontiers of Agricultural Economics to Meet the Challenges of Agricultural Development in achieving the Millenium Development Goals. Made at the second African Association of Agricultural economists Conference: 18-22 August 2007, Accra Ghana.
2. **Chief Resource Person:** ‘Economic Valuation and Environmental Assessment Training Workshop held in Kakamega, Kenya, on 15th – 26th August 2005 (organized by IUCN-Eastern Africa Office)
3. **Chairman of Session 2.7.10** on Participation, policy, and institutions during the 9th Biennial Conference of the International Association for the Study of Common Property (IASCP), 17th -21st June 2002, Victoria Falls, Zimbabwe.
4. **Chairman of Session 2d** on Plant Biodiversity and Genetic Resources of the Deutscher Tropentag on ‘Technological and Institutional Innovations for Sustainable Rural Development’, October 8 - 10, 2003, Göttingen.

Selected Publications

Peer reviewed journal articles

1. 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.
2. 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.
3. 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.
4. 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.
5. 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
6. 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**)
7. 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.
8. 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
9. 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.
10. 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.
11. **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.
12. 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.
13. 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.
14. **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.
15. 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.

16. 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.
17. **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
18. 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.
19. 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
20. 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.
21. **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.
22. **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).

Discussion papers, news and invited reports (institutional review)

1. Denich M., Gatzweiler F., Martius Ch., **J. Mburu**, Mollinga P., 2005. Lead Article: Biodiversity – A Challenge for ZEF. In: Gardner M., van der Veen A. (eds.) *Diversity*; ZEF Bonn Annual Report 2004/2005, Center of Development Research (ZEF), University of Bonn, Bonn, Germany, page 6.
2. **Mburu J.** 2004. *Wildlife Conservation and Management in Kenya: Towards a Co-management Approach*. FEEM Working Papers Series No. 47. 04. http://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=360367
3. Hedden-Dunkhorst B., Börner J., Mendoza-Escalante A., **Mburu J.** and Frohberg K., 2004. 'Potential and Constraints of Technological Innovations: Selected Findings from a Recently Completed Project on Smallholder Agriculture in the Eastern Amazon Region' [ZEF News, No. 16](#). Center for Development Research (ZEF), Bonn.
4. El-Mikawy, N., Engel, S., Fuest, V., Grote, U., Hedden-Dunkhorst, B., **Mburu, J.**, Micevska, M. and A. Schoeller-Schletter, 2003. 'Institutions Matter'. [ZEF News, No. 13](#). Center for Development Research (ZEF), Bonn.

Abstracts in Books of Abstracts

1. Guthiga P., **J. Mburu**, Holm-Mueller K., 2006. Local Communities' Perceptions Towards Forest

- Management Regimes: Case of Kakamega Forest in Kenya. In: F. Asch and M. Becker (eds.). Prosperity and Poverty in a Globalized World – Challenges for Agricultural Research: International Research on Food Security, Natural Resource Management and Rural Development; book of abstracts/Tropentag 2006, University of Bonn, Bonn, Germany, p.363 (ISBN 3-937941-08-8).
2. Kiiru J. M., **J. Mburu**, 2006. Determinants and Consequences of Transaction Costs of Microfinance and their Impact on Rural Poor Borrowers' Incomes. In: F. Asch and M. Becker (eds.). Prosperity and Poverty in a Globalized World – Challenges for Agricultural Research: International Research on Food Security, Natural Resource Management and Rural Development; book of abstracts/Tropentag 2006, University of Bonn, Bonn, Germany, p.454 (ISBN 3-937941-08-8).
 3. Mugambi D., Mugendi D., Wambugu A., **J. Mburu**, 2006. Estimating Recreational Benefits of Kakamega Forest in Kenya Using the Travel Cost Method. In: F. Asch and M. Becker (eds.). Prosperity and Poverty in a Globalized World – Challenges for Agricultural Research: International Research on Food Security, Natural Resource Management and Rural Development; book of abstracts/Tropentag 2006, University of Bonn, Bonn, Germany, p.368 (ISBN 3-937941-08-8).
 4. Simtowe F., Zeller M., **J. Mburu**, 2006. Determinants of Intra-group Insurance in Microfinance: Evidence from Joint Liability Lending Programs in Malawi. In: F. Asch and M. Becker. (eds.) Prosperity and Poverty in a Globalized World – Challenges for Agricultural Research: International Research on Food Security, Natural Resource Management and Rural Development; book of abstracts/Tropentag 2006, University of Bonn, Bonn, Germany, p.455 (ISBN 3-937941-08-8).
 5. Zander K. and **J. Mburu**, 2005. Determining Right Priorities for Conserving Farm Animal Genetic Resources—the case of Borana cattle in East Africa. In: Tiekles E., C. Hülsebusch, I. Häuser, A. Deininger and K. Becker (eds.) The Global Food & Product Chain—Dynamics, Innovations, Conflicts, Strategies: International research on food security, natural resource management and rural development; book of abstracts /Tropentag 2005, Universität Hohenheim, Stuttgart, Germany, page 40, (ISBN: 3-00-017063-4).
 6. Abebaw D., **J. Mburu** and K. Holm-Müller, 2004. Risk perceptions and risk management- A socioeconomic analysis of Ethiopian smallholder coffee growers. In: Peters K. J., D. Kirschke, W. Manig. A. Bürkert, R. Schultze-Kraft, L. Bharati, C. Bonte-Friedheim, A. Deininger, N. Bhandari, H.Weitkamp (eds.) Rural Poverty Reduction through Research for Development and Transformation: International research on food security, natural resource management and rural development; book of abstracts /Tropentag 2004, Humboldt-Universität zu Berlin, Germany, page 24 (ISBN 3-86004-182-7).
 7. Hedden-Dunkhorst B., M. Denich, **J. Mburu**, A. Mendoza-Escalante, J. Börner, 2004. Assessing technological innovation for smallholders in the Eastern Amazon Region- implications for technology adoption and dissemination. In: Peters K. J., D. Kirschke, W. Manig. A. Bürkert, R. Schultze-Kraft, L. Bharati, C. Bonte-Friedheim, A. Deininger, N. Bhandari, H.Weitkamp (eds.) Rural Poverty Reduction through Research for Development and Transformation: International research on food security, natural resource management and rural development; book of abstracts /Tropentag 2004, Humboldt-Universität zu Berlin, Germany, page 264 (ISBN 3-86004-182-7).
 8. Wale E. and **J. Mburu**, 2003. Economic analysis of farmers' preferences for coffee variety traits – Lessons for on-farm conservation and technology adaptation in Ethiopia. In: Wollny C., A.

Deininger, N. Bhandari, B. Maass, W. Manig, U. Muuss, F. Brodbeck, I. Howe (eds.) Technological and Institutional Innovations for Sustainable Rural Development: International research on food security, natural resource management and rural development; book of abstracts /Tropentag 2003, Georg-August-Universität, Göttingen, Germany, page 180 (ISBN 3-9808714-3-6).

9. **Mburu J.** and Birner R., 2002. Wildlife Co-Management in Kenya; an empirical analysis of Land owners' incentives for participation. In: A. Deininger (eds.) Challenges to Organic Farming and Sustainable Land Use in the Tropics and Subtropics: International research on food security, natural resource management and rural development; book of abstracts /Tropentag 2002, University of Kassel-Witzenhausen, Kassel, Germany, page 289 (ISBN 3-89958-000-1).

Institutional and contract (consultancy) reports (*institutional review*)

1. **Mburu J.** 2007. A framework for analyzing national and global costs and benefits for conserving Arabuko Sokoke forest in Kenya, CARE office, Nairobi.
2. Hein L. and **J. Mburu** 2006. Methods of Economic Valuation of Pollination Services. FAO consultancy report. FAO, Rome.
3. **Mburu J.** (ed.), 2005. Economic Valuation and Environmental Assessment: A Training Manual for a Capacity Building Workshop held in Kakamega, Kenya, on 15th -26th August 2005. Center for Development Research (ZEF), Bonn and IUCN-Eastern Africa Regional Office, Nairobi.
4. **Mburu J.** and Kiragu S. 2005. Economic Valuation and Environmental Assessment – A Report for a Capacity Building Workshop held in Kakamega, Kenya, on 15th -26th August 2005 Center for Development Research (ZEF), Bonn and IUCN-Eastern Africa Regional Office, Nairobi.

Papers presented at International Conferences and Workshops (*minor review by conference organizers*)

1. Kiplagat, A.K., **J. Mburu**, Gaesing, K., Mugendi, D.N. and Rietdorf, U. (2010). What Influences Household Demand for Non-timber Forest Products? Linking Econometric and Participatory Methods in Kakamega Forest, Kenya. A Paper presented in the 11th International Society of Ecological Economics Themed 'Advancing Sustainability in a Time of Crisis' on 22 – 25 August in Oldenburg and Bremen, Germany.
2. Fridah G. L., I. Baltenweck, J. Lagat, **J. Mburu**, H. Mutembei, J. Amimo and O. Mwai, (2009). A Cost-Benefit Analysis of Sexed In-Vitro Fertilization Embryo Transfer in Kenya. In the proceedings of Regional Symposium on Livestock Marketing in the Horn of Africa: Working Towards Best Practices, 21st – 23rd October 2009. Nairobi, Kenya
3. Sikei, **G.**, **Mburu, J.**, and Odhiambo, M.O (2009) Labour Allocation Patterns of Rural Households to Agriculture and Forest Activities in Kakamega District, Western Kenya. Poster Paper presented at the IAAE's XXVII International Conference for Agricultural Economists, in August 2009, Beijing, China.
4. Sikei, **G.**, **Mburu, J.** and Lagat, J. (2009) "Rural households Response to Fuelwood Scarcity around Kakamega Forest, Western Kenya" Paper presented at the 5th Bi-annual Conference of the United States Society for Ecological Economics (USSEE) at the American University, Washington DC, May 31st to June 3rd 2009.

5. Kasina M. and **Mburu J.**(2008). Economic benefit of crop pollination by bees: A case of Kakamega small-holder farming. Paper presented at the 10th Biennial Conference of the International Society for Ecological Economics, 7-11th August 2008, Nairobi Kenya
6. **Mburu J.**, Karanja-Lumumba T., Okeyo M (2008). Determinants of Transaction Costs in Group-Based Breeding Approaches: The Case of Dairy Goats in the Eastern Kenyan Highlands. 2008 ISAC conference proceedings, July 2008. Available at http://dlc.dlib.indiana.edu/archive/00003880/00/Mburu_138801.pdf
7. Irungu C., **Mburu J.**, Maundu P., Grum M., and Hoeschle-Zeledon I. (2008). The Effect of Market Development On-farm Conservation of Diversity of African Leafy Vegetables around Nairobi. Paper prepared for presentation at the 12th EAAE Congress 'People, Food and Environments: Global Trends and European Strategies',Gent (Belgium), 26-29 August 2008
8. Irungu C., Gotor E. and **Mburu J.** (2008). In-situ conservation of African Leafy vegetables for poverty reduction: the case of Kenya. Paper presented at the 10th Biennial Conference of the International Society for Ecological Economics 7-11th August 2008, Nairobi Kenya.
9. **Mburu J.**, 2007. Implementation of Community-based Wildlife Sanctuaries in Kenya: Review of Success and Challenges. Paper presented at the Wildlife Conference 2007- Research Imperatives for Biodiversity Conservation and Management, 18th -20th April 2007, Safari Park Hotel, Nairobi.
10. **Mburu J.**, 2007. Expanding the Frontiers of Agricultural Economics to Meet the Challenges of Agricultural Development in achieving the Millenium Development Goals. **Key note presentation** (not reviewed) made at the second African Association of Agricultural economists Conference: 18-22 August 2007, Accra Ghana.
11. Karanja-Lumumba, T.N., **Mburu, J.** and Mugivane, F.I., 2007. Factors influencing adoption of dairy goats among smallholder farmers in Meru South and Meru Central Districts in Kenya. Paper presented at the KARI Scientific Mini-Conference 2007, 15th-17th November, 2007, Nairobi
12. Kiplagat, K., Mugendi, D and **Mburu J.**, 2007. Valuation of the Economic Role of NTFPs' Consumption by Rural Households Living Around Kakamega Forest, Western Kenya. Paper Presented at the Deutscher Tropentag International Conference on Utilisation of Diversity in Land Use Systems- Sustainable and Organic Approaches to Meet Human Needs, October 9 - 11, 2007, Witzenhausen, Kassel, Germany.
13. Kiplagat A.K., **J Mburu.** & Mugendi D.N. (2007). Consumption of Non-Timber Forest Products (NTFPs) in Kakamega Forest, Western Kenya.: Accessibility, Role and Value to Resident Rural Households. A Paper presented in the 12th Biennial Conference of International Association for the Study of Commons. Cheltenham, England, 14th – 18th July 2008.
14. Börner J., **J. Mburu**, E. Winter, P. Guthiga, S. Mutie, K. Frohberg, 2007. Opportunity Costs of Biodiversity Conservation in the last Kenyan Tropical Rainforest Fragments: Assessing Management Options using Farm-level Land-Use Modeling. Paper presented at the Framing Land Use Dynamics II conference held on 18-20 April, Utrecht University, The Netherlands.
15. Kiiru J., **J. Mburu**, K. Frohberg, 2007: Does Participation in Microfinance Programs Improve household Incomes: Empirical Evidence From Makueni District, Kenya. Paper presented at the second African Association of Agricultural economists Conference: 18-22 August 2007, Accra Ghana.
16. **Mburu, J.**, Abebaw and D. Müller, 2006. Evaluating the driving factors for land use/cover change in tropical rainforest areas: the case of Kakamega district in Western Kenya. Paper presented at the 9th Biennial Conference of the International Society for Ecological Economics – “Ecological Sustainability and Human Well-being”. 16-18th December 2006, New Delhi, India.
17. Irungu, C., **J. Mburu**, P. Maundu, M. Grum and I. Hoeschle-zeledon (2006). Analysis of markets

- for African Leafy Vegetables (ALVs) within Nairobi and its environs and implications for on-farm conservation of Biodiversity. A paper presented at the International Conference on Indigenous Vegetables and Legumes, 12th -15th, December 2006, Hyderabad, India.
18. Diafas, I. and **J. Mburu**, 2006. Economic valuation of the benefits of conserving Kakamega forest. Paper presented at the 9th Biennial Conference of the International Society for Ecological Economics – “Ecological Sustainability and Human Well-being”. 16-18th December 2006, New Delhi, India.
 19. Kasina, J., K. Holm-Müller and **J. Mburu**, 2006. Measuring the economic value of crop pollination service: an empirical application of contingent valuation in Kakamega, Kenya. Paper presented at the 9th Biennial Conference of the International Society for Ecological Economics – “Ecological Sustainability and Human Well-being”, 16-18th December 2006, New Delhi, India.
 20. Wambua, S., C. Ackello-Ogotu, **J. Mburu**, 2006. The determinants of forest extraction and contribution of NTFPS to community livelihood: the case of Kakamega Forest. Paper presented at the 9th Biennial Conference of the International Society for Ecological Economics – “Ecological Sustainability and Human Well-being”, 16-18th December 2006, New Delhi, India.
 21. Edilegnaw, W., **J. Mburu** and J. Estrella, 2006. Computing opportunity costs of growing local varieties for on-farm conservation: the case of sorghum in Ethiopia. Paper presented at the 26th conference of the International Association of Agricultural Economists (IAAE), August 12-18, 2006, Gold Coast, Australia.
 22. Guthiga, P., Holm-Mueller K. and **J. Mburu**, 2006. Cost-benefit analysis of different management approaches of Kakamega Forest in Kenya. Paper presented at the 8th Annual BIOECON Conference on the Economic Analysis of Ecology and Biodiversity 29-30th August 2006, Cambridge.
 23. Guthiga, P., **J. Mburu** and S. Wambua, 2006. Extraction of direct forest products and its driving factors: the case of Kakamega Forest. Paper presented at a Workshop on Sustainable Development, Coping Strategies of micro & small Enterprises and Farm Households in Kenya: Kakamega Forest), 23rd - 24th March 2006, Hamburg (GIGA), Germany.
 24. **Mburu J. D.** Abebaw, D. Mueller, G. Schaab, 2006. Factors Influencing Demand for Different Land Uses in Kakamega District. Paper presented at a Workshop on Sustainable Development, Coping Strategies of micro & small Enterprises and Farm Households in Kenya: Kakamega Forest), 23rd - 24th March 2006, Hamburg (GIGA), Germany.
 25. Guthiga P. and **J. Mburu**: Local Communities’ Incentives for Forest Conservation: The Case of Kakamega Forest in Kenya. A Conference Paper presented at the 11th Biannual Conference of International Association for the Study of Commons (IASC) June 19-23rd 2006, Bali, Indonesia.
 26. Zander K. and **J. Mburu**, 2005. Determining Right Priorities for Conserving Farm Animal Genetic Resources—the case of Borana cattle in East Africa. Paper Presented at the Deutscher Tropentag International Conference on the Global Food and Product Chain—Dynamics, Innovations, Conflicts, Strategies, October 11 - 13, 2005, Hohenheim, Germany
 27. Zander K., Holm-Mueller K., and **J. Mburu**, 2005. Modeling the value of local cattle breeds – the case of the Borana cattle in East Africa. Paper presented at the 6th International Conference of the European Society for Ecological Economics (ESEE), 14th -17th June 2005, Lisbon, Portugal.
 28. Gemmill, B., C. Eardley, **J. Mburu**, W. Kinuthia and D. Martins, 2004: Pollinators in the Landscape: Preventing Losses, Promoting Persistence. Invited Paper presented at the International Eco-agriculture Conference and Practitioners Fair, ICRAF Nairobi 27th September-1st October 2004.

29. Prakash T.N., **J. Mburu**, Chandrashekar H. and Abebaw D., 2004. [Analysis of Farmers' Willingness to Conserve Traditional Rice Varieties in the Western Ghats of South India](#). Paper presented at the Fifth Bioecon Annual Conference on 'Economics and the Analysis of Biology and Biodiversity' Kings College Cambridge, 2-3 September 2004
30. Hedden-Dunkhorst B., Denich M., Mendoza-Escalante A., **J. Mburu** and J. Börner, 2004. Assessing Technological Innovations for Smallholder Agriculture in the Eastern Amazon Region: Implications for Technology Adoption and Dissemination. Invited Paper in the Issues Session: How to Make Technical Innovations Effective. Presented at the Deutscher Tropentag International Conference on Rural Poverty Reduction through Research for Development and Transformation, October 5 - 7, 2004, Berlin.
31. Zander, K. and **J. Mburu**, 2004. Compensating Pastoralists for Conserving Animal Genetic Resources: The Case of Borana Cattle in Ethiopia. Paper presented at 10th biennial International Association for the Study of Common Property (IASCP) conference, August, 9-13, 2004, Oaxaca, Mexico.
32. Wale E. and **J. Mburu**, 2004. Farmers' aggregate demand for variety attributes of coffee in Ethiopia: the importance of variety attribute count diversity and implications for on-farm conservation. Paper to be presented in the FAO-IPGRI-BIOECON Workshop on Valuing the Biological Diversity of Crops in a Development Context, March 29th – 31st, 2004 Rome, Italy.
33. **Mburu J.** and Maundu P., 2003. Analysis of Stakeholder Organizations Involved in On-farm Conservation of Indigenous Leafy Vegetables in Western Kenya. Paper presented at the Third Workshop on Sustainable Horticultural Production in the Tropics, 26-29th November 2003, Maseno University, Kenya.
34. Wale E. and **J. Mburu**, 2003. Economic Analysis of Farmers' Preferences for Coffee Variety Traits: Lessons for On-Farm Conservation and Technology Adoption in Ethiopia. Paper Presented at the Deutscher Tropentag International Conference on 'Technological and Institutional Innovations for Sustainable Rural Development', October 8 - 10, 2003, Göttingen.
35. **Mburu J.** and Wale E., 2003. Local Organizations Involved in Conserving Crop Genetic Resources in Ethiopia and Kenya: What Role for On-Farm Conservation? Paper Presented at the International Workshop on Property Rights, Collective Action and Local Conservation of Genetic Resources, September 29th-October 2, 2003, Rome, Italy.
36. **Mburu J.**, 2003. Wildlife Conservation and Management in Kenya: Towards a Co-management Approach. Paper presented at the Fourth Bioecon Workshop on the Economics of Biodiversity Conservation, 'Economic Analysis of Policies for Biodiversity Conservation' 28-29th August 2003, Venice, Italy.
37. Wale E., **J. Mburu** and Virchow D., 2003. Incentives, Opportunity Costs and Contract Design for On-farm Conservation in Ethiopia. Paper presented at the Third BioEcon Workshop, 'Contracts and Incentive Mechanisms for Biodiversity Conservation', 22-25 May 2003, Montpellier, France.
38. **Mburu J.**, 2002. Challenges of Partnerships in Tourism Projects: The Case of Kimana and Golini-Mwaluganje Sanctuaries in Kenya. Paper presented at the Seminar on Eco-tourism and Nature Parks in East and Southern Africa, November 12, 2002, African Studies Centre, Leiden, The Netherlands.
39. **Mburu J.** and Birner R., 2002. Wildlife Co-management in Kenya: An Empirical Analysis of Landowners' Incentives for Participation. Paper Presented at the Deutscher Tropentag International Conference on Challenges to Organic Farming and Sustainable Land Use in the Tropics and Subtropics, October 9-11th, 2002, Witzenhausen, Germany. <http://www.wiz.uni-kassel.de/tropentag/proceedings/>

40. Mburu J., 2002. Factors influencing landowners' participation in wildlife co-management in Kenya. Paper presented at the 9th Biennial Conference of the International Association for the Study of Common Property (IASCP), 17th -21st June 2002, Victoria Falls, Zimbabwe.
41. Mburu J. and Birner R., 2002. Analysis of Costs of Wildlife Co-management Arrangements in Kenya. Paper Presented at the 7th Biennial Conference of the International Society for Ecological Economics (ISEE), 6th -9th March 2002, Sousse, Tunisia.

Discussion papers, news articles and invited articles (institutional review)

1. Mburu J., R. Nyikal, H. Nyota, E. Kangai and S. Muchigiri (2009): Site verification report: identification of suitable sites for the project 'Drivers, Viability, and Livelihood Impact of Compliance with Private Food Safety Standards among Smallholder Horticultural Producers in Kenya', Department of Agricultural Economics, University of Nairobi, Nairobi
2. Mburu J. and R. Nyikal (2009). Project Proposal: Drivers, Viability, and Livelihood Impact of Compliance with Private Food Safety Standards among Smallholder Horticultural Producers in Kenya, Department of Agricultural Economics, University of Nairobi, Nairobi.
3. Mburu J., R. Nyikal, J. Okello and B. Muriithi (2008). Workshop Report: Pre-proposal Workshop on Impact of Food Safety Standards on Livelihoods of Smallholder farmers in Kenya, 5-6 August, 2009 KARI, Headquarters, Department of Agricultural Economics, University of Nairobi, Nairobi.
4. Denich M., Gatzweiler F., Martius Ch., J. Mburu, Mollinga P., 2005. Lead Article: Biodiversity – A Challenge for ZEF. In: Gardner M., van der Veen A. (eds.) Diversity; ZEF Bonn Annual Report 2004/2005, Center of Development Research (ZEF), University of Bonn, Bonn, Germany, page 6.
5. Mburu J. 2004. Wildlife Conservation and Management in Kenya: Towards a Co-management Approach. FEEM Working Papers Series No. 47. 04.
6. Hedden-Dunkhorst B., Börner J., Mendoza-Escalante A., Mburu J. and Frohberg K., 2004. 'Potential and Constraints of Technological Innovations: Selected Findings from a Recently Completed Project on Smallholder Agriculture in the Eastern Amazon Region' [ZEF News, No. 16](#). Center for Development Research (ZEF), Bonn.
7. El-Mikawy, N., Engel, S., Fuest, V., Grote, U., Hedden-Dunkhorst, B., Mburu, J., Micevska, M. and A. Schoeller-Schletter, 2003. 'Institutions Matter'. [ZEF News, No. 13](#). Center for Development Research (ZEF), Bonn.