

Prof. Moses M. Nyangito –Curriculum Vitae 2021
(BSc., MSc. and PhD)

Department of Land Resource Management and Agricultural Technology
University of Nairobi
P.O. Box 29053 – 00625
Nairobi
Mobile Phone: +254725665972
E-mail: nyangito@uonbi.ac.ke or mmnyangito@yahoo.com



I Prof. Moses M. Nyangito have 20 years successful experience in Training at University level Rangeland Resource Management, and providing expertise in Rangeland Management, Natural Resource Management, Environmental Management and Agricultural related sectors for sustainable development. I have experience in applying research driven solutions for sustainable development, ability to analyse, apply insights, and team approach to drive implementation of best practices, and have good networking skills. I was born on 12th December, 1965.

Key qualifications

2005 PhD Range Management (Animal Resource Ecology and Management), University of Nairobi, Kenya
1995 MSc. Range Management, University of Nairobi, Kenya
1990 BSc. Animal Production, Egerton University, Kenya

Other training

2009 - Desert adapted trees for slowing desertification, Arava Institute of Environmental Studies, Israel
2009 - Certified Lead Expert in Environmental Impact Assessment by the National Environmental Management Authority (NEMA)
2007 – Quality Management Systems, ISO 9001:2000, Kenya Bureau of Standards
2002 – PhD fellowship Linköping University Sweden

Core competency

- Rangelands/Drylands resource ecology and management
- Resource extraction, livelihoods and resilience analysis
- Climate variability and change, adaption and mitigation
- Biodiversity use and conservation
- Project monitoring, evaluation and Impact assessment
- Drylands systems research and development
- Drylands policy analysis and advocacy
- Quantitative and qualitative data analysis and synthesis

Core teaching courses

- Rangeland degradation and improvement
- Ecology of tropical grazing lands
- Dryland ecology and management

Professional work and experience:

September 2021- To-date: Associate Dean, Faculty of Agriculture, University of Nairobi
2021: Dean, Faculty of Agriculture, University of Nairobi
2019-2020 Acting Dean, Faculty of Agriculture, University of Nairobi
2014 –To date: Associate Professor, Department of Land Resource Management and Agricultural

- Technology, Faculty of Agriculture, University of Nairobi
- 2018-2020: Manager, Strategic Management Unit (SMU) of the Student Welfare Authority (SWA), University of Nairobi
- 2010-2013: Senior Lecturer, Department of Land Resource Management and Agricultural Technology, Faculty of Agriculture, University of Nairobi
- 2007-2012: Technical Participant for the Centre Research Advisory Committee (CRAC), Kenya Agricultural Research Institute (KARI), Kiboko, Kenya
- 51997-2002: Senior programs officer the Pastoral Information Network Program (PINEP) and Regional Dryland Program for Eastern Africa (REDPA), SIDA funded regional collaborative research programs for the IGAD countries, University of Nairobi.
6. 2000-2010: Lecturer, Department of Range Management, Faculty of Agriculture, University of Nairobi
7. 1995-2000: Research Assistant/Tutorial Fellow, Department of Range Management, University of Nairobi

Consultancy/Research related work and experience

2020 - To-date: Validate and promote grass based diets for low enteric methane emissions for finishing steers. A Research Project: funded by Kenya Climate Smart Program (KCSAP) by World Bank through Kenya Agricultural and Livestock Research Organization (KALRO).

2021: Team –Leader: Baseline surveys for World Vision – Lake Region - Bomet Cluster- Area Programs on Community Engagement and Sponsorship, Child Protection and Education, Water Sanitation and Hygiene, and Livelihoods and Resilience.

2020: Team –Leader: End of strategy evaluation of World Vision Mito Andei Area Program on Community Engagement and Sponsorship, and Livelihoods and Resilience programs.

2020: Team –Leader: End of strategy evaluation of World Vision Mwatate Area Program on Community Engagement and Sponsorship and Water, Sanitation and Hygiene Programs.

2018: Team –Leader: Formative research report on Barriers to Adoption of Recommended Hygiene and Sanitation Practices among Caregivers of young children in Elgeyo Marakwet County for World Vision Kenya

2016: Team –Leader: consultancy services for capacity building for decentralized natural resource management in Somaliland and Puntland: UN Joint Programme on Local Governance and Decentralised Service Delivery: Lead Institution- International Labour Association (ILO) and supported by UNCDF, UNDP, UN-HABITAT and UNICEF.

2015: Team – Leader: Functional literacy assessment and Evaluation of the Food and Water, Sanitation and Hygiene program of Mwatate Area Development Program (ADP) for World Vision Kenya.

2014: Team – Leader: Country-wide performance evaluation of the Water and Food Security, Water and Sanitation and Hygiene programs for World Vision Kenya.

2014: Team- Leader: Study to strengthen rangeland management and community resilience in Wajir County for Oxfam GB-Kenya.

2012-2016: Principal Investigator: Recapturing generational exchanges of environmental traditions/knowledge in pastoral communities in Northern Kenya. *A Research Funded by Centre for Sustainable Dryland Ecosystems and Societies (CSDES), University of Nairobi, and HED-USAID.*

2012-2015: Co-Principal Investigator: Integrating local communities into the management of human-wildlife conflicts. *A Research Funded by Centre for Sustainable Dryland Ecosystems and Societies (CSDES,) University of Nairobi and HED-USAID.*

2012. Team –Leader: Holistic Rangeland Management Curriculum Development and Training for Word Vision International-Somaliland and Puntland.

2012. Team-Leader: Baseline Survey of the Yatta Integrated Area Program for World Vision Kenya

2012. Team-Leader: End of project evaluation, Yatta Food Security Project for World Vision Kenya

2009 - 2011: Principal Investigator: Impact of climate variability and land fragmentation on ecological vulnerability and adaptive strategies in agropastoral systems in south eastern Kenya: Theme: Environment and Natural Resource Management. A Research Funded by the National Council for Science and Technology, P.O. Box 30623-00100, Nairobi.

2011: Team Leader, Food Security Project Design: coping with climate change induced food insecurity in arid and semiarid Districts of Mwingi, Mbeere and Isiolo of eastern Kenya for Action-Aid Kenya

2009: Team Leader: Bamba Food Security Recovery Project Kilifi. Final Project evaluation and impact assessment for World Vision Kenya.

2007: Team Leader: Kaloleni-Ganze Food Security Project Kilifi. Final Project evaluation and impact assessment for the World Vision, Kilifi District, Coast Province, by SPAInfosuv E.A. Limited.

2007: Co-Team Leader: Evaluation and impact assessment of Water and Food Security, Sanitation and Hygiene Project for World Vision Kenya

2005-2008: Principal Investigator-Kenya: Poverty and Pace Setters (POPS): Agri-SMEs and linking farmers to markets in pastoral and agropastoral systems of south eastern Kenya. Funded by GFAR/Agropolis International, Ministry of Foreign Affairs, France.

2002-2004:Principal Investigator. Grazing patterns, energy extraction and livestock productivity in agropastoral production systems in Kibwezi, southeastern Kenya. A PhD research project. Key issues addressed include: grazing resources and critical plant-herbivore energy pathways for human livelihoods, animal trophic interactions, land tenure and role of secondary land rights on livestock production, system degradation, stability and sustainability.

2003: Co-principal Investigator. Land tenure for livelihood in Kenyan pastoral systems. A collaborative research in Kajiado and Makueni Districts of Kenya by Environmental Policy and Society (EPOS-SWEDEN) and Department of Range Management, University of Nairobi, Kenya.

Other collaborative research supervised and completed

1. Lutta, A., Wasonga, V.O and Nyangito, M.M. 2016. Economic valuation of the impacts of grazing management practices in pastoral systems of Tana-Rivwr County, Kenya
2. Syano, N., Nyangito, M.M., Wasonga, V.O. and Kironchi, G. 2016. Ecological and socio-economic evaluation of selected dryland agroforestry systems in Makueni County, Kenya
3. Genga, A.C., Nyangito, M.M., and Wasonga, V.O. 2015. Assessing factors contributing to indigenous ecological knowledge loss and implications to adaptive capacity of the samburu pastoral system
4. Opiyo, F.E.O., Nyangito MM and Wasonga VO. 2014. Influence of climate variability on vulnerability and change in adaptation strategies among Turkana pastoralists of North-western Kenya
5. Kibet S., Nyangito MM and MacPiyo, L. 2014. Influence of Land use dynamics on Plants Functional Diversity, Species Invasion and browse production in a semi-arid Savannah, Kenya.:
6. Nganga, I.N, Nyangito MM, Warui C and Siva, B. 2014. Effects of cattle-Bomas and grazing on invertebrate biodiversity in a savanna ecosystem, Northern Kenya.
7. Mbau, J.S, Nyangito MM and Gachane C .2013. Effects of land use change on the dynamics of human-wildlife conflicts in the Tsavo West –Amboseli ecosystem, Kenya
8. Ndathi, A.J.N. Nyangito MM, Musimba NKR and Mitaru BN.2013.Climate variability and adaptive livestock feeding strategies in agro-pastoral production systems in the drylands of Kenya

9. Chibinga, O.C, Nyangito MM, Simbaya J and Musimba NKR . 2013. Climate variability and adaptation in agropastoral production systems of southern Zambia
10. Mugerwa.S Nyangito MM and Mpairwe D. 2011. Termite dynamics and control in pasture grasses in semi-arid Nakasongola
11. Debela, H.F., Njoka TJ and Nyangito MM. 2011. A comparative analysis of use and management of wild edible plants on food security among transhumant and settled farmers in semiarid east Shewa, Ethiopia
12. Ogillo, B., Nyangito MM and Nyariki DM 2010. Evaluating viability and competitive interactions of grass seeds under different micro-catchments and economic returns from reseeding in Kibwezi District, Kenya
13. Kabo, M., Nyangito MM and Nyariki DM 2010. Vulnerability to drought, adaptation and coping strategies among agro-pastoral communities in Botswana.
14. Kirwa E.C., Nyangito MM and Nyariki DM. 2009. Impact of land use change on ecology, resource productivity and adaptive strategies of smallholder agro-pastoralists in Machakos-Makuen Districts, Kenya
15. Mganga, K.Z., Musimba NKR, Nyariki DM and Nyangito MM. 2009. Impact of grass reseeding technology on rehabilitation of the degraded rangelands: A case study of Kibwezi District, Kenya

Ongoing research work and initiatives

1. Validate and promote grass based diets for low enteric methane emissions for finishing steers
2. Analysis of nexus between climate variability, herd mobility and livestock disease incidence in rangelands of Kenya
3. Influence of invasive plant species management on herbaceous diversity and productivity in semi-arid Kenya
4. Influence of soil moisture, legume integration, fertilizer application and harvesting regime on productivity of range grasses in Kenya
5. Effects of land use change on biodiversity and governance in riparian zones of Kibwezi river, Makueni County
6. Pasture under different micro-catchments and economic optimization in climate driven agro-pastoral areas of southern Kenya

Publications

1. Lutta, A. I., Wasonga, O. V., Robinson, L. W., Nyangito, M. M., & Sircely, J. (2021). Determinants of livestock market participation among pastoral communities of Tana River County, Kenya. *Environment, Development and Sustainability*, 23(5), 7393-7411.
2. Kibet S, Nyangito M, MacOpiyo L and Kenfack D. (2021). Savanna woody plants responses to mammalian herbivory and implications for management of livestock-wildlife landscape. *Journal of Ecological Solutions and Evidence*. 2(3):1-13. 2:e12083.
3. Lutta, A.I., Wasonga OV., Nyangito, M.M., Sudan,KF., Robinson, LW. (2020). Adoption of water harvesting technologies among agropastoralists in semiarid rangelands of south eastern Kenya. *Environmental Systems Research*, 9:36.
4. Augustine, D. J., Wigley, B. J., Ratnam, J., Kibet, S., Nyangito, M., & Sankaran, M. (2019). Large herbivores maintain a two-phase herbaceous vegetation mosaic in a semi-arid savanna. *Ecology and evolution*, 9(22), 12779-12788.
5. Lutta, A. I., Robinson, L. W., Wasonga, O. V., Ruto, E., Sircely, J., & Nyangito, M. M. (2019). Economic valuation of grazing management practices: discrete choice modeling in pastoral systems of Kenya. *Journal of Environmental Planning and Management*, 1-17.
6. Syano, N.M., Wasonga, O.V., Nyangito, M., Kironchi, G1 & Egeru, A. 2018. Ecological and socio-economic evaluation of dryland agroforestry systems in East Africa. RUFORUM Working Document Series (ISSN 1607-9345) No. 14 (1): 525-535.

7. Kibet, S., Nyangito, M.M., MacOpiyo, L. and Kenfack, D. 2016. Tracing innovation pathways in the management of natural and social capital on Laikipia Maasai Group ranches, Kenya. *Pastoralism: Research, Policy and Practice* 6:16-29
8. Opiyo, F., Wasonga, O.V., Nyangito, M.M., Mureithi, S.M, Obando, J. and Munang, R. (2015). Determinants of perceptions of climate change and adaptation among Turkana pastoralists in northwestern Kenya. *Climate and Development*, DOI:10.1080/17565529.2015.1034231
9. Opiyo, F., Wasonga, O.V. and Nyangito, M.M. (2014). Measuring household vulnerability to climate-induced stresses in pastoral rangelands of Kenya: Implications for resilience programming. *Pastoralism: Research, Policy and Practice* 4:10.
10. Opiyo, F, Nyangito, M.M., Wasonga, O.V. and Omondi, P. (2014). Trend analysis of rainfall and temperature variability in arid environment of Turkana, Kenya. *Environ. Res. J.8 (2):30-43.*
11. Dabela, H.F., Njoka, J.T., Zemedu, A. and Nyangito, M.M. (2015). Nutritional contents of *Balanites aegyptiaca* and its contribution to human diet. *A. J. Food Sci.* 9(5):346-350
12. Waswala-Olewe, B.M., Andanje, S.A., Nyangito, M.M., Njoka, J.T., Mutahi, S., Abae, R. and Amin, R. (2014). Natural resources utilization by the Aweer in Boni-lungi and Dodori national reserves, Kenya. *Tanzania J. For and Nature Conservation* 83(2).
13. Mbau, J, Nyangito, M.M. and Gachane, C. 2013. Land use and land cover changes analysis: Linking local communities to land use and land cover changes using participatory geographic information systems (PGIS). Lambert Academic Publishers.
14. Nyangito, M.M., Nyariki, D.M., Hjort, A., Kassim, O.F. and Musimba, N.K.R. (2012). Analysis of secondary land rights for adaptation to climate driven agropastoral systems of south eastern Kenya. *E. Afr. agric. For. J.* 78(1):113-118.
15. Kirwa, E.C., Nyangito, M.M., Nyariki, D.M. and Kimitei, R.K. (2012). Effect of land use changes on adaptive strategies for smallholder agropastoralists in Kenya. *Livestock Res for Rural Dev.* 24(8).
16. Ndathi, J.N, Nyangito, M.M., Musimba, N.K.R. and Mitaru, B.N. (2012). Farmers' preference and nutritive value of selected indigenous plant feed materials for cattle in drylands of southeastern Kenya. *Livestock Res for Rural Dev.* 24(2).
17. Chibinga, O.C., Musimba, N.K.R., Nyangito, M.M, Simbaya, J and Daura, M.T. (2012). Climate variability: enhancing adaptive utilization of browse trees for improved livestock production among agro-pastoralists communities in southern Zambia. *Afr. J. of Environ. Sci. and Technol.* Vol. 6(7), pp. 267-274.
18. Dabela, H.F., Njoka, J.T., Zemedu, A. and Nyangito, M.M. (2012). Comparative analysis of indigenous knowledge on use and management of wild edible plants: The case of east Shewa of Ethiopia. *Ethnobotany Research and Applications.* 10:287-304
19. Ndathi, J.N, Nyangito, M.M., Musimba, N.K.R. and Mitaru, B.N. (2011). Climate variability and dry season ruminant livestock feeding strategies in south-eastern Kenya. *Livestock Res for Rural Dev.* 23(9).
20. Mganga, K.Z., Musimba, N.K.R., Nyariki, D.M., Nyangito, M.M., Ekaya, W.E., Muiiru, W.M. and Mwang'ombe A.W. (2011). Different land use types in the semiarid rangelands of Kenya influence soil properties. *J. Soil Sc. And Environ Manage.* 2(11):370-374.
21. Mugerwa, S., Nyangito, M.M., Mpairwe, D., Bakuneeta, C., Nderitu, J and Zziwa, E., (2011). Farmers' ethno-ecological knowledge of the termite problem in semi-arid Nakasongola. *Afr. J. of Environ. Res.* 6(13): 3183-3191.
22. Mugerwa, S., Nyangito, M. M., Mpairwe, D., Bakuneeta, C., Nderitu, J and Zziwa, E., (2011). Termite assemblage structure on Grazing lands in Semi-arid Nakasongola. *Agriculture and biology journal of North America.* 2(5): 848-859.
23. Ndathi, J.N, Nyangito, M.M., Musimba, N.K.R. and Mitaru, B.N. (2011). Enhancing output oriented livestock improvement strategies in drylands of Kenya. *Livestock Res for Rural Dev.* 23(6).

24. Mugerwa, S., Nyangito, M. M., Mpairwe, D., Bakuneeta, C., Nderitu, J and Zziwa, E., (2011). Effect of biotic and abiotic factors on composition and foraging intensity of subterranean termites. *African journal of environmental sciences and technology* (in press).
25. Kabo M., Nyangito, M.M. and Nyariki, D.M. (2011). Drought management strategies among agro-pastoral communities in non-equilibrium Kalahari ecosystems. *Environ. Res. J.* 5(4):156-162
26. Dabela, H.F., Njoka, J.T., Nyangito, M.M. and Zemedede, A. (2011). Neutraceutical wild plants of semiarid east Shewa, Ethiopia: Contributions to food and healthcare security of the semiarid people. *Research J. of Forestry* 5(1): 1-16.
27. Kabo M., Nyangito, M.M. and Nyariki, D.M. (2010). The perfect drought? Constraints limiting Kalahari agropastoral communities from coping and adapting. *Afr. J.of Environ. Sci. and Technol.* Vol. 5(3), pp. 168-177
28. Dabela, H.F., Njoka, J.T., Zemedede, A. and Nyangito, M.M. (2011). Wild edible fruits of importance for human nutrition in semiarid parts of east Shewa Zone, Ethiopia: Associated indigenous Knowledge and implications to food security. *J. of Nutrition* 10(1): 40-50.
29. Dabela, H.F., Njoka, J.T., Zemedede, A. and Nyangito, M.M. (2011). Seasonal availability and consumption of wild edible plants in semiarid Ethiopia: Implications to food security and climate change adaptation. *J. of Horticulture and Forestry* 3 (1).
30. Mganga, K.Z., M.M. Nyangito, N.K.R. Musimba, D.M. Nyariki, A.W. Mwang'ombe, W.E. Ekaya, W.M. Muiro, D. Clavel, J. Francis, R. von Kaufmann and Verhagen, J. (2010).The challenges of rehabilitating denuded patches of a semi-arid environment in Kenya. *Afr. J.of Environ. Sci. and Technol.* 4(7):430-436.
31. Mganga, K.Z., N.K.R. Musimba, M.M. Nyangito, D.M. Nyariki.and Mwang'ombe , A.W. (2010). Improving Hydrological Responses of Degraded Soils in Semi Arid Kenya. *Journal of Environ. Sci. and Technol.*3(4):217-225
32. Mganga, K.Z., Musimba,N.K.R., Nyangito, M.M., Nyariki,D.M., Mwang'ombe, A.W., Ekaya, W.N., Clavel, D., Francis, J., von Kaufmann, R. and Verhagen, J. (2010). The role of moisture in the successful rehabilitation of denuded patches of a semi-arid environment in Kenya. *Afr. J. Plant Sci.* 4(5):138-144.
33. Mganga, K.Z., Musimba,N.K.R., Nyangito,M.M., Nyariki,D.M., Mwang'ombe, A.W., Ekaya, W.N., Muiro, W.M., Clavel, D., Francis, J., von Kaufmann, R., Verhagen, J. and Muiro, W.M. (2010). Dry matter yields and hydrological properties of three perennial grasses of semi-arid environment in east Africa. *Journal of Environ. Sci. and Technol.*3(4):195-207.
34. Ogillo, B.P., Nyangito, M.M., Nyariki, D.M. and Kubasu, D.O. (2010). Influence of micro-catchment technology on above ground biomass production and financial returns of range grasses in southern Kenya. *E. Afr. agric. For. J.* 77(1):39-44.
35. Nyangito, M.M., Musimba, N.K.R. and Nyariki, D.M. (2009). Seasonal energy extraction patterns by agropastoral herds in semiarid south-eastern Kenya. *African Journal of Range and Forage Science.* Vol. 26 (2):81-90.
36. Nyangito, M.M., Musimba, N.K.R. and Nyariki, D.M. (2009).Hydrologic properties of grazed perennial swards in semiarid south-eastern Kenya. *Afr. J. Environ. Sci. Technol.* 3(2):26-33.
37. Nyangito, M.M., Musimba, N.K.R. and Nyarik, D.M. (2008). Range use and dynamics in the agropastoral system of south-eastern Kenya. *Afr. J. Environ. Sci. Technol.* 2(8):222-230.
38. Nyangito, M.M., Musimba, N.K.R and Nyariki, D.M. (2008). Range use and trophic interactions by agropastoral herds in semiarid south-eastern Kenya. *J. Human Ecology.* 23:115-123.
39. Nyangito, M.M (2007). Networking for environmental sustainability: The nature and gravity of the challenge and role of key players. In *the proceedings of the 17th Annual Conference of Eastern African Environmental Network.* AMREF, Nairobi. PP 7-12.
40. Anders Hjort, Ngoc, P.B., Nyangito, M.M., and Musimba, N.K.R. (2006). Agri-SMEs in action. Lessons for the entrepreneurial poor. *Poverty and Pace Setters Project. Working Paper Series No. 2.*
41. Nyangito, M.M (2005). Grazing patterns, energy extraction and livestock productivity in agro-pastoral production systems in Kibwezi, Southeastern Kenya. PhD thesis, University of Nairobi.

Workshops Participation and papers presented

1. Regional workshop: The Responsible Governance of Innovations for Food Security, 25th -26th March 2021, CHAK Conference Centre, Nairobi. The Food Security Center, University of Nairobi
2. Stakeholder Consultative Workshop: Enhancing food quality management in supply chains linking smallholder farmers to the Home-Grown school meals programme, 17th to 18th March 2021, Physical/Virtual, CAVS - UON.
3. Postharvest food loss and waste reduction: capacity building in food security (CABFOODS –Africa, UoN). 3rd -5th May 2021.
4. 3rd ASRIC Congress (virtual) 15th to 17th Dec 2020; Impact of Covid-19 On Africa's food and nutrition security, Actions and Interventions
5. 2nd High Panel Conference on Agricultural Research in Kenya (HiPCARK): Contribution of research and innovation in mitigating the Impact of natural disasters in Kenya's agriculture and food system, 21st to 22nd October 2020, KALRO HQ, Nairobi.
6. Validate and promote grass based low enteric methane emissions diets. Kenya Climate Smart Agriculture Program (KCSAP) Workshop, January 2020, KALRO Conference Centre, Naivasha
7. Woody invasive alien species in eastern Africa; Assessing and mitigating their impacts on ecosystems and rural livelihoods, 17th -20th Nov 2019, Arusha.
8. Training on Andragogy and pedagogy, University of Nairobi - 2019
9. National validation workshop: Participatory Rangeland and Grassland Assessment methodology by IUCN, 8th April 2019, Ole Sereni Hotel, Nairobi
10. IGAD Drought disaster resilience initiative and sustainability initiative: ADIS perspectives. 28th January, 2019. Hilton Hotel, Nairobi
11. Nyangito, M.M. 2017. Key note address, adaptation to scale in semi-arid regions (ASSAR) – National Workshop, Nairobi.
12. Training on didactics, University of Nairobi - 2017
13. Nyangito, M.M. 2016. Decentralized natural resource management. Training Workshop, Ministry Environment and Rural Development, Hargeisa – Somaliland
14. Syano, N.M., Wasonga, O.V., Nyangito, M.M., Kironchi, G. and A. Egeru. 2016. Ecological and socio-economic valuation of selected dryland agroforestry systems in East Africa. The 5th African Higher Education Week and RUFORUM Biennial Conference, Centurt City Centre, Cape Town, South Africa.
15. Training on security and safety facilitated by National Intelligence Agency – University of Nairobi- 2015
16. Nyangito, M.M. 2015. Integrating local communities into the management of human-wildlife conflicts. Community Training Workshop, Taita-Taveta - Kenya
17. Ndathi, A.J.N., Nyangito, M.M., Musimba, N.K.R., and B.N. Mitaru. (2012). Feed intake and performance of small east Africa Zebu yearlings stall-fed on rations from indigenous feed materials in Kibwezi, southeastern Kenya, 13th KARI Scientific Conference, 10th November, Nairobi.
18. Nyangito, M.M. (2011). Analysis of secondary land rights for adaptation in climate driven agropastoral systems of south eastern Kenya. In; Optimization of agricultural value chains for sustainable development, Agro Biennial Conference, 26th to 28th September, 2011, University of Nairobi.
19. Chibinga, O.C, Nyangito MM, Simbaya J and Musimba NKR . 2013. Climate variability and adaptation in agropastoral production systems of southern Zambia. RUFORUM – Student training and supervision meeting -Zambia

20. Dabela, H.F., Njoka, J.T., Zemedede, A. and Nyangito, M.M. (2010). Analysis of multipurpose uses and management of *Ziziphus spina-christi* (L.) Desf., in semi-arid Ethiopia: Implications for food security. 2nd RUFORUM Biennial Conference, 20-24th September, 2010, Entebbe, Uganda.
21. Mugerwa, S., Nyangito, M.M. and Mpairwe, D. 2010. Termite dynamics and control in pasture grasses in semi-arid Nakasongola. RUFORUM – Student training and supervision meeting –Makeke-Uganda
22. Ndathi, A.J.N., Nyangito, M.M., Musimba, N.K.R., and B.N. Mitaru. (2010). Farmers preferences of livestock and livestock products in drylands of Kenya. 12th KARI Scientific Conference, 10th November, Nairobi.
23. Kabo, M., Nyangito, M.M. and Nyariki, D.M. 2010. Vulnerability to drought, adaptation and coping strategies among agro-pastoral communities in Botswana. RUFORUM – Student training and supervision meeting –Botswana
24. Githae, E.W. and Nyangito, M.M. (2010). Current status on the occurrence, utilization and management of cactus pear (*Opuntia* spp.) in Kenya. In: Nefzaoui, A., Inglese, P. and Belay, T. (Eds). Improving utilization of cactus pear for food, feed, soil and water conservation and other products in Africa. Proceedings of International Workshop held 19-21 Oct. 2009, in Mekelle, Ethiopia. PP 29-35. ISBN 978-9973-9992-4-5.
25. Debelo, H.F., Njoka, J.T., Zemedede, A. and Nyangito, M.M. (2010). Analysis of multipurpose uses and management of *Ziziphus spina-christi* (L.) Desf. in semi-arid Ethiopia: Implications for food security. 2nd RUFORUM biennial meeting 20-24 September, Entebbe, Uganda. PP127-131.
26. Nyangito, M.M. (2009). Participant at the conference on Research and Development, by CIAT at Kigali, Rwanda.
27. Kirwa, E.C., Nyangito, M.M. and Nyariki, D.M. (2009). Impact of land use change from ranching to smallholder agropastoralism on ecological resource base in Machakos-Makuen Districts, Kenya. KARI Scientific Conference, November, 2009, Nairobi.
28. Nyangito, M.M. (2009). Food - energy: Competing resources for land. Eastern Africa Environmental Network 19th Annual conference, AMREF Centre, Nairobi. May 2009.
29. The role of native and desert adapted tree-species for purposes of slowing desertification. Arava Institute of Environmental Studies, Israel. 22nd -30th March 2009.
30. Nyangito, M.M. (2008). Current Issues in Range Management Research. Centre Research Advisory Workshop. 28th - 29th August, KARI-Kiboko.
31. Nyangito, M.M. (2008). Poverty pace setters: From sector support for farm products marketing to targeting entrepreneurs by building networks among the poor. DURAS Project Closing Conference 11th -13th June, FAO Headquarters, Rome
32. Nyangito, M.M. (2008). Environmental concerns of climate change with respect to sustainable livelihoods in Eastern Africa. Eastern Africa Environmental Network 18th Annual conference, AMREF Centre, Nairobi. 23rd to 24th May..
33. Nyangito, M.M. (2008). Learning from DURAS Experience in Building and Implementing Innovative Partnerships in Agricultural Research for Development. DURAS Project Workshop, Hanoi, Vietnam. 14th to 19th January.
34. Networking for environmental sustainability: Eastern Africa Environmental Network 17th Annual conference, AMREF Centre, Nairobi. 27th to 28th May 2007
35. Scientific writing and training workshop: Proposals, Journal publications and communication, KCB Training Centre, Nairobi. 19th to 26th November 2006.
36. Hjort, A., Ngoc Pham T. B. and Nyangito, M.M. (2006). *Overview of agri-SMEs and the process to find success stories in Kenya and Vietnam - Working paper*. DURAS project. Montpellier, France Promotion du Développement Durable dans les Systemes de Recherche Agricole du Sud.
37. Hjort, A., Ngoc Pham T. B. and Nyangito, M.M. (2006). *Poverty and Pace Setters (POPS). From sector support for*

farm products marketing to targeting entrepreneurs by building networks among poverty struck. GFAR 2006 Triennial Conference. ARD: Evidence of contributing to achieving the MDGs

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39. Safeguarding nature's harmony in a land of shifting priorities. Eastern Africa Environmental Network 17th Annual conference, AMREF Centre, Nairobi. 26th to 27th May 2006.
40. The Kenya Agricultural Scientific Conference (KARI), Loresho, Nairobi. 2006.
41. Strategic approaches to sustainable management and utilization of renewable resources in Drylands in Eastern Africa. Eastern African Dryland Biodiversity Conference, Nakuru, Kenya. 18th to 20th November 2004.

Other responsibilities

1. Head of Section, Range Management, University of Nairobi
2. Member of College Security and Safety Committee of the College of Agriculture and Veterinary Sciences , University of Nairobi
3. Participated as Member of following Programs/Committees of the Faculty of Agriculture, University of Nairobi
 - Centre for Sustainable Dryland Ecosystems and Societies
 - Technical Committee for the PhD Dryland Resource Management Program
 - Curriculum Review

Reviewed for the following Scientific Journals

1. Acta Ecologica Sinica
2. African Journal of Range and Forage Science
3. Journal of African Environmental Studies
4. African Journal of Environmental Science and Technology
5. African Journal of Ecology
6. Frontiers Journal of Ecology and Evolution

Membership in professional associations

1. Animal Production Society of Kenya
2. East African Environmental Network
3. East African Wildlife Society

Other professional engagements

1. Co-Chair of the African Scientific Research and Innovation Council (ASRIC) Working Group on Impact of COVID-19 on Africa's Food and Nutrition Security, 2020 – To-date.
2. Member of the Climate Smart Agricultural Productivity Project (CS-APP), Project Implementation Committee, 2019 –To- date.
3. Member of the National Organizing Committee (NOC) of the 2020 Joint 24th International Grassland Congress(IGC)/ 11th International Rangeland Congress (IRC), 2018-2021.
4. Member of the Publication Sub-Committee of the Joint 24th International Grassland Congress/ 11th International Rangeland Congress, 2018-2021

REFEREES

1. Prof Richard Onwonga

Department of Land Resources Management and Agricultural Technology

University of Nairobi

P.O.Box 29053-00625, Nairobi

Email: Richard.onwonga@uonbi.ac.ke

Tel: +254 725 828 254

2. Prof Jesse Njoka

Former Director

African Dryland Institute for Sustainability

University of Nairobi

P.O. Box 29053-00625, Nairobi

Email: jtnjoka@gmail.com

Tel: +254 722 819 826

3. Prof. Agnes Mwango'mbe

Faculty of Agriculture

University of Nairobi

P.O. Box 29053 – 00625 Nairobi

Email: mwangombe@kenyaweab.com

Tel: +254 722 788 995



Signed :
Prof Moses M. Nyangito