

CURRICULUM VITAE

DR. STEPHEN M MUREITHI

(PhD, MSc - LAND RESOURCE MANAGEMENT, UGent; BSc - RANGELAND MANAGEMENT, UoN)

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A. PERSONAL DETAILS

Gender: Male
Nationality: Kenyan



Area of competence: Soil, Land & Watershed Management, Rangeland Rehabilitation and Management, Pasture and Fodder Production and Conservation, Climate Change Adaptation and, Pastoral livelihoods

Current position: **Lecturer** – Department of Land Resource Management and Agricultural Technology (LARMAT), University of Nairobi
Research Associate – African Drylands Institute for Sustainability (ADIS), University of Nairobi

B. CAREER OBJECTIVE

I endeavour to: 1) be an accomplished researcher in the field of natural resources management with a special focus on sustainable land management, application of rangeland and soil science knowledge to building resilience of rangelands and pastoral communities, and watershed restoration; 2) be an innovative teacher and mentor contributing significantly to the welfare of humankind, combating land degradation and poverty and hunger through prolific relevant research.

My research, academic and consultancy interests are:

- ✓ *Application of soil and range science knowledge to sustainable natural resources management and land use planning from community to national and global levels.*
- ✓ *Land degradation in arid environments, degradation assessment protocols (ecological and socio-economic protocols)*
- ✓ *Rangeland restoration and improvement, especially enhancing revegetation of indigenous plant species (afforestation/reforestation and agroforestry).*
- ✓ *Multi-use ecosystem carbon sequestration approaches in drylands (addressing climate change, conservation of biodiversity and pastoral livelihoods).*
- ✓ *Plant-soil interactions and land quality monitoring in natural, disturbed and restored ecosystems – developing indicators of change.*
- ✓ *Soil, Land and Water, and Watershed Management in the tropics.*

C. SYNOPSIS

Dr. Stephen Mureithi is Rangeland ecologist and Soil scientist. His research focuses on the direct effects of disturbance on dryland ecosystems, and restoration of degraded lands and its impact on land, livestock, wildlife and pastoral livelihoods. He has particular interests in land, soil and water management; restoration of degraded arid environments; watershed and water

resources management. Stephen is currently serving as a Researcher and Lecturer at the University of Nairobi's Department of Land Resource Management and Agricultural Technology (LARMAT), where he has helped establish the [Hydrology and Watershed Research Laboratory](#), which he heads as the Lead Scientist. He teaches following courses: Land Degradation and Rehabilitation (MSc); Soil & Water Conservation (MSc); Land Evaluation for Agric. Planning (Yr 4); Watershed Management (Yr 4); Landforms and Soil Formation (Yr 1); Environmental Hydrology (Yr 2), besides Supervising Students postgraduate (PhD, MSc) research projects and thesis.

Besides teaching, he is currently participating in the following research projects at the University of Nairobi. 1) Escaping the pastoralist paradox in the face of climate change: A comparative analysis of different tenure systems and their implications for climate vulnerability in semi-arid Sub-Saharan Africa (2018-2021, Role: Co-PI, Funded by VR-SIDA). 2) Improved management for nitrate pollution in the Lake Victoria catchment of Kenya (2016-2020, Role: Host-PI, Funded by VLIRUOS, Belgium). 3) European Union Erasmus+ KA107 Programme Grants for Higher Education Students and Staff Mobility between University of Nairobi, Kenya and Jagiellonian University in Krakow, Poland (2016-2020, Role: Co-PI, Funded by EU ERASMUS+ Programme). 4) AgriFoSe2030 Programme Theme 2: Multifunctional landscapes for increased food security (2016-2019, Role: Researcher, Funded by SIDA). 5) Accelerated Value Chain Development – Livestock Component (AVCD-LC). Role: Scientist in the Pasture and Fodder Production and Conservation Sub-Component (2016-2018, Role: Researcher, Funded by Feed the Future / USAID).

Dr. Mureithi's experience in consultancies include work with several international organizations and national institutions such as UNEP, UNEP/FAO, Vi-Agroforestry, Action Aid-Kenya, AWF-Kenya, VSF-B Kenya, Badilisha Eco-Village Trust. Some of the assignments involved training and demonstration on: appropriate climate smart agricultural technologies (soil and water conservation, irrigation and rain-water harvesting technologies, food forestry, composting, among others) to community groups and organizations; fodder value chain to pastoral/agro-pastoral groups; sustainable households and agricultural-based enterprise development; and technical advice for groups on organizational development. He has also (co)developed a number of training manuals and policy briefs in addition to many peer-reviewed scientific publications.

D. EDUCATION

-**PhD in Land Resources Management**, Ghent University, Belgium. June 2010 – Nov. 2012.

My doctoral research addressed restoration of degraded semi-arid environments by enhancing re-vegetation of indigenous plant species in enclosures and land zoning for conservation, livestock production and pastoral livelihoods, funded by the Special Research Fund (BOF) of Ghent University, and African Wildlife Foundation (AWF).

-**Master of Science in Physical Land Resources**, Ghent University, Belgium. Oct 2004 – Sept. 2006.

-**Bachelor of Science in Range Management**, University of Nairobi, Kenya. Oct 1996 – June 2000.

SHORT COURSES & PROFESSIONAL TRAINING

1. **Certificate in Permaculture with emphasis on Erosion Control**
Badilisha Eco-Village Foundation Trust, Rusinga Island, Kenya January 15 - 19, 2018
2. **Certificate in Theory of Change and Systematic Reviews**
Swedish University of Agricultural Sciences (SLU), Sweden October July 5 - 8, 2017
3. **Certificate in Writing and Critical Thinking**
University of Michigan & University of Nairobi, Nairobi Kenya July 23 - 27, 2015
4. **Certificate in Web 2.0 Tools**
CTA and Baraka Agricultural College, Molo, Kenya. 27 Sept - 1 Oct. 2010
5. **Certificate in E-Learning**
ICTC, College of Physical & Biological Sciences, University of Nairobi. 25 - 31st July. 2009
6. **Certificate in Effective Scientific Communication and Publishing**
Training Centre in Communication (TCC), School of Biological Studies, Chiromo Campus. 12 - 16th Nov. 2007
7. **Certificate in Conservation of Biodiversity in Desert Ecosystems**
Jacob Blaustein Institute of Desert Research, Ben Gurion University of the Negev, State of Israel 1 - 30th May 2003

E. RESEARCH AND ACADEMIC CAREER

- 2014 Feb - Present:** **Lecturer**, University of Nairobi, Department of Land Resource Management and Agricultural Technology (<https://profiles.uonbi.ac.ke/stemureithi/>)
- 2018 Jan-Oct:** **Post-Doc Fellow**, International Livestock Research Institute (www.ilri.org)
- 2009 Feb – 2014:** **Tutorial Fellow**, University of Nairobi, Department of Land Resource Management and Agricultural Technology.
- 2007 – 2008:** **Research Assistant**, University of Nairobi, Department of Land Resource Management and Agricultural Technology.
- 2004 – 2006:** **Researcher and Master Student**, Ghent University, Belgium.
- 2001 – 2004:** **Research Assistant**, University of Nairobi, Department of Range Management.

F. PREVIOUS CONSULTANCIES

- 2018 (Jan - Mar):** Community Training in Permaculture with emphasis on Soil Erosion Control at Rusinga Island, Homa Bay County, Kenya. **Client:** Badilisha Eco-Village Trust. **Role:** Lead Consultant.
- 2016 (Jun – Aug):** Scaling up Range Rehabilitation Project in Community Areas in Laikipia-Kenya. Tiamamut-Kijabe-Nkiloriti Group Ranches: Final Evaluation of Rehabilitated Degraded Lands for the UNDP GEF/SGP - KEN-GEF-07-03 Project: **Client:** AWF-Kenya (Samburu Heartland); **Role:** Lead Consultant.
- 2014 (May-July):** Land use requirements (soils and climate) analysis for the MAUL farm, Uganda. **Client:** MAUL Farm; **Role:** Lead Land Evaluation Expert.
- Sept 2007 – Dec 2010):** Rehabilitation of degraded lands project in Kojja Tiamamut Kijabe and Nkiloriti (KTKN) Group ranches, Mukogodo Laikipia. **Client:** AWF-Kenya (Samburu Heartland); **Role:** Lead Range Rehabilitation Scientist.
- 2009 (Dec):** Rapid assessment for fodder production in targeted areas of Turkana, Northern Kenya. **Client:** VSF-B Kenya; **Role:** Co-Consultant, Co-Team Leader
- 2008 (Mar - Sept):** Internal Evaluation and Mid-term evaluation (participatory) Medium Sized Project, Dryland Livestock Wildlife Interface Project (DLWEIP) in Samburu and Laikipia in Kenya and Arly in Burkina Faso. UNEP; **Role:** Assistant Consultant
- 2007 (Nov):** Rational use of Rangelands and Fodder Production in Sub-Saharan Africa. **Client:** UNEP/FAO; **Role:** Assistant Consultant.

G. ON-GOING AND PAST FUNDED RESEARCH PROJECTS

I am Involved in a number of research activities as a PI, Co-PI or Participating Researcher:

Period (Start – End)	Research/ Project; Role	Partner(s)/ Consortium	Donor
2018 - 2021	Escaping the pastoralist paradox in the face of climate change: A comparative analysis of different tenure systems and their implications for climate vulnerability in semi-arid Sub-Saharan African. Role: Co-PI	SLU, Gothenburg University	VR-SIDA, Sweden
2018 - 2021	Understanding the contribution of Atmospheric Nitrogen to the increasing Nitrogen levels in Lake Victoria, Kenya. An IAEA's Co-ordinated Research Project titled 'CRP F32008: Global monitoring of nitrogen isotopes in atmospheric waters'. Role: Co-PI	Ministry of Water and Sanitation	IAEA, Austria
2016 - 2020	Improved management for nitrate pollution in the Lake Victoria catchment of Kenya: Role: Host-PI	UoN; Ghent University	VLIRUOS, Belgium
2016 - 2020	European Union Erasmus+ KA107 Programme Grants for Higher Education Students and Staff Mobility. Four postgraduate students and three members of staff	Jagiellonian University in Krakow, Poland	EU ERASMUS+ Programme

Period (Start – End)	Research/ Project; Role	Partner(s)/ Consortium	Donor
	supported for the exchange programme between the University of Nairobi, Kenya and Jagiellonian University in Krakow, Poland. Role: Co-PI		
2016 - 2019	AgriFoSe2030 Programme Theme 2: Multifunctional landscapes for increased food security. Role: Researcher	University of Gothenburg / SLU	SIDA
2016 - 2018	Accelerated Value Chain Development – Livestock Component (AVCD-LC). Role: Scientist in the Pasture and Fodder Production and Conservation Sub-Component	ILRI / UoN-ADIS	Feed The Future / USAID
2014 - 2017	Identifying Sources of Nitrate Pollution in major river catchments of the Lake Victoria Catchment (Kenya) via Isotopic Fingerprinting - Global IAEA's Co-ordinated Research Project titled 'Application and Development of Isotope Techniques to Evaluate Human Impacts on Water balance and Nutrient Dynamics of Large River Basins'. IAEA Research Contract No. 18471/R0. Role: PI	Ministry of Water and Irrigation	IAEA, Austria
2012 - Present	Triple L Initiative - Land, Livestock and Livelihood dynamics in dryland systems. Role: Senior Researcher	Various, www.triplel.se	Swedish Donors
2014 - 2016	Enhancing the resilience of livestock-based production systems in northern Kenya. Role: Researcher	UoN; KALRO; PACIDA	IGAD
2014 - 2016	System for Land-based Emissions Estimation for Kenya (SLEEK) http://www.sleek.environment.go.ke/ Researcher – 3 MSc students supported by the project.	Various,	Clinton Climate Initiative with funding from AUSAID
2010 - 2013	Carbon sequestration and ecosystem health in a restored tropical rangeland: Assessing the effects of enclosures and grazing Management	UoN, RAE Trust, Ghent University	BOF, Ghent University
2007 - 2009	Rehabilitation of degraded community grazing lands project in Laikipia, Kenya. Role: PI	Tiamamut Community Group Ranch, Laikipia; AWF	African Wildlife Foundation (with funds from GEF)

H. STUDENT SUPERVISION

PhD research projects supervision

1. **Haileelassie G. Araya. (On-going).** Analysis of Ecological and Socio-Economic Impacts of Range Enclosures in Tanqua-Abergelle Woreda of Tigray Province, Northern Ethiopia. Supervisors: Dr. OV Wasonga; Dr. B Gebremdhin; Dr. E Berhane; Dr. SM Mureithi. **Sponsor:** Self
2. **Keziah Njeri. (On-going)** Viability of Sand Dams for Water Storage in Arid and Semi-Arid Lands in River Tiva Catchment in Kitui County, Kenya. Supervisors: Dr. S.M. Mureithi, Dr. N. Mashaba, University of Nairobi, Kenya. **Sponsor:** Self
3. **Benjamin Kyalloh Nyilitya. (On-going)** Identifying Sources of Nitrate Pollution in Lake Victoria Catchment (Kenya) via Isotopic Fingerprinting. Supervisors: Prof. Pascal Boeckx, Ghent University; Dr. S.M. Mureithi, University of Nairobi, Kenya. **Sponsor:** VLIRUOS Project
4. **Philista Malaki. 2018.** Effects of land use and land cover change on the hydrology of Nguruman Sub-catchment, Magadi,

Kenya. Supervisors: Prof. Geoffrey Kironchi; Dr. S.M. Mureithi; Dr. V.M. Kathumo, University of Nairobi, Kenya. **Sponsor**: Self

5. **Charity Konana. 2017.** Drivers of Gully Erosion and Control Measures on a Sandy Loam Volcanic Ash Soils in Mount Suswa catchment in Kenya. Supervisors: Prof. CKK Gachene; Dr. S.M. Mureithi, University of Nairobi, Kenya, Dr. D. Mburu, Jomo-Kenyatta University of Agriculture and Technology (JKUAT). **Sponsor**: SLM Project.
6. **Oscar K. Koech. 2014.** Comparative growth and interspecific competition responses of range grasses to varying watering schedules in the rangelands of Kenya. Supervisors: Prof. RK Ngugi; Dr. GN Karuku; Dr. S.M. Mureithi. LARMAT, University of Nairobi, Kenya. **Sponsor**: National Irrigation Board (NIB)

Masters research projects

1. **Maddalena Cirani (On-going).** A generation at the crossroads: A case study of how young pastoralists engage with the ongoing land tenure transformation in East Pokot, Kenya. Supervisors: Dr. Per Knutsson (School of Global Studies), Gothenburg University, Sweden, Dr. SM Mureithi (LARMAT), University of Nairobi, Kenya. **Sponsor**: Triple L (www.triplel.se).
2. **Geoffrey Githinji (On-going).** Determinants of enterprise diversification in Laikipia County, Kenya. Supervisors: Dr. CA Ogotu, Dr. D Jakinda (Agric Econ), Dr. SM Mureithi (LARMAT), University of Nairobi, Dr. B Goran, SLU. **Sponsor**: Triple L (www.triplel.se).
3. **Samuel Enock Wekesa (On-going).** Participation in land markets and effects on livelihoods in Laikipia and West Pokot Counties, Kenya. Supervisors: Dr. SM Mureithi Dr. OV Wasonga (LARMAT), University of Nairobi, Kenya. **Sponsor**: Dr. Stephen Mureithi with funds from an Austria Collaborator.
4. **Margeret Ngithi Nyaga (On-going).** Assessment of Woody Species Diversity in Rusinga Island, HomaBay County, Kenya. Supervisors: Dr. S.M. Mureithi; Dr. OV Wasonga (LARMAT, University of Nairobi, Kenya). **Sponsor**: Dr. Stephen Mureithi with funds from an Austria Collaborator.
5. **Lydia Akinyi Okolla (On-going).** Analysis of Local Water Governance Structure and Dynamics in Rusinga Island, Homabay County, Kenya. Supervisors: Dr. S.M. Mureithi; Dr. OV Wasonga (LARMAT, University of Nairobi, Kenya). **Sponsor**: Dr. Stephen Mureithi with funds from an Austria Collaborator.
6. **Moses Kioko (On-going).** Effects of Vegetation Cover on Runoff and Sediment Yield in the Wooded Grasslands of Laikipia County, Kenya. Supervisors: Dr. S.M. Mureithi; Dr. GN Karuku (LARMAT, University of Nairobi, Kenya). **Sponsor**: SLEEK Project (<http://www.sleek.environment.go.ke/>)
7. **Mohamed Saada (On-going).** Determinants of pastoralists' participation in commercial fodder value chains in Isiolo County, Kenya. Supervisors: Dr. D Jakinda, Dr. J Nzuma (Agric Econ), Dr. SM Mureithi (LARMAT), University of Nairobi, Kenya. **Sponsor**: Triple L (www.triplel.se).
8. **Linet Cheronno (On-going).** Participation in land markets and effects on livelihoods in Laikipia and West Pokot Counties, Kenya. Supervisors: Dr. D Jakinda, Dr. Willis Kosura (Agric Econ), Dr. SM Mureithi (LARMAT), University of Nairobi, Kenya), Dr. G Nyberg, SLU. **Sponsor**: Triple L (www.triplel.se).
9. **Angela Gitau (Submitted).** Evaluation of soil carbon dynamics, microbial diversity and methane (CH₄) gas emission in wooded grasslands, Laikipia County, Kenya. Supervisors: Dr. R.O. Onwongá, Dr. S.M. Mureithi; Dr. J.S. Mbau (LARMAT, University of Nairobi, Kenya). **Sponsor**: SLEEK Project (<http://www.sleek.environment.go.ke/>)
10. **Mohamed Saada (2019).** Determinants of pastoralists' participation in commercial fodder value chains in Isiolo County, Kenya. Supervisors: Dr. D Jakinda, Dr. J Nzuma (Agric Econ), Dr. SM Mureithi (LARMAT), University of Nairobi, Kenya. **Sponsor**: Triple L (www.triplel.se).
11. **Collins Ouma. 2018.** Effect of Enclosure management Systems on Soil Carbon and Greenhouse Gas Emission in West Pokot County, Kenya. Supervisors: Prof. N.K. Karanja, Dr. R.O. Onwongá, Dr. S.M. Mureithi; (LARMAT, University of Nairobi, Kenya). **Sponsor**: Triple L (www.triplel.se)
12. **Diudonne Uwizemana. 2018.** Potential of supplementary irrigation using runoff generated from Cyili, "a conserved catchment in Rwanda". Supervisors: Dr. S.M. Mureithi; Dr. G.N. Karuku, Prof. Geoffrey Kironchi (LARMAT, University of Nairobi, Kenya). **Sponsor**: Ministry of Agriculture, Rwanda. **Sponsor**: BHEARD

13. **Hannah Nyakio Kamau. 2018.** Evaluating suitability of indigenous grass species for rehabilitation of degraded semi-arid rangeland in Suswa, Kenya. Supervisors: Dr. Oscar Koech; Dr. S.M. Mureithi; Dr. Oliver Wasonga (LARMAT, University of Nairobi, Kenya). **Sponsor:** SLM Project.
14. **Joyce Irungu. 2018.** Nitrate Source Apportionment, Fractionation, and Removal Mechanism using Stable Isotopes - River Sondu – Lake Victoria Catchment, Kenya. Supervisors: Prof. Pascal Boeckx (UGent, Belgium); Dr. S.M. Mureithi (LARMAT, University of Nairobi, Kenya). **Sponsor:** VLIRUOS Project.
15. **Joseph Nyuki Ombega. 2018.** Effect of land rehabilitation on soil physico-chemical properties and diversity of herbaceous layer in Suswa Catchment, Narok County, Kenya. Supervisors: Dr. S.M. Mureithi; Dr. Anne Karuma; Dr. Oscar Koech (LARMAT, University of Nairobi, Kenya). **Sponsor:** SLM Project
16. **Nicholas Ouma Ofiti. 2017.** Identifying Sources of Nitrate Pollution in Lake Victoria Catchment (Kenya) via Isotopic Fingerprinting. Supervisors: Prof. Pascal Boeckx, Ghent University; Dr. S.M. Mureithi, University of Nairobi, Kenya. **Sponsor:** VLIRUOS Project
17. **John Mwangi. 2016.** Assessment of land degradation extent in Lake Ol Bolossat catchment in Nyandarua County, Kenya. Supervisors: Prof. CKK Gachene; Dr. S.M. Mureithi (LARMAT, University of Nairobi); Dr. BP Kiteme (CETRAD, Nanyuki, Kenya). **Sponsor:** CETRAD
18. **John Wairore. 2015.** The impact of enclosure management on rehabilitation success in Chepareria, West Pokot County, Kenya. Supervisors: Dr. S.M. Mureithi; Dr. V.O. Wasonga (LARMAT, University of Nairobi, Kenya); Dr. G. Nyberg (SLU, Umea, Sweden). **Sponsor:** Triple L (www.triplel.se)

Under-Graduate Research projects

Every academic year, I supervise a number of 4th Year Student Projects in the area of my research interests as assigned to me by the Projects Coordinators within the Faculty.

I. PUBLICATIONS

Peer reviewed Journals

Accepted/Published

1. Nyberg G, **Mureithi SM**, Muricho DN, Ostwald M. 2019. Enclosures as a land management tool for food security in African drylands. *Journal of Land Use Science*. <https://doi.org/10.1080/1747423X.2019.1636147>
2. Oduor CO, NK Karanja, RN Onwong'a, **SM Mureithi**, D Pelster, G Nyberg. 2018. Pasture enclosures increase soil carbon dioxide flux rate in Semiarid Rangeland, Kenya. *Carbon Balance and Management* **13**:24 <https://doi.org/10.1186/s13021-018-0114-4>
3. Uwizeyimana D, **Mureithi SM**, Karuku GM, Mvuyekure SM, Kironchi G. 2018. Modelling the surface runoff using Soil Conservation Service-Curve Number Method under drought prone agro-ecological zone in Rwanda. *International Soil and Water Conservation Research* DOI: <https://doi.org/10.1016/j.iswcr.2018.12.001>
4. Oduor CO, NK Karanja, R. N. Onwong'a, **SM Mureithi**, D Pelster, G Nyberg. 2018. Enhancing Soil Organic Carbon, Particulate Organic Carbon and Microbial Biomass using Pasture Enclosures in Semi-arid Rangeland, Kenya. *BMC Ecology*. DOI: [10.1186/s12898-018-0202-z](https://doi.org/10.1186/s12898-018-0202-z)
5. Rossi M, Rembold F, Bolognesi M, Nori M, **Mureithi S**, Nyberg G. 2018. Mapping land enclosures and vegetation cover changes in the surroundings of Kenya's Dadaab refugee camps with very high resolution satellite imagery. *Land Degradation & Development* 1–13. <https://doi.org/10.1002/ldr.3212>
6. Uwizeyimana D., **Mureithi SM**, Karuku G, Kironchi G. 2018. Effect of water conservation measures on soil moisture and maize yield under drought prone agro-ecological zones in Rwanda. *International Soil and Water Conservation Research*. <https://doi.org/10.1016/j.iswcr.2018.03.002>
7. Ombega JN, **Mureithi SM**, Koech OK, Karuma AN, Gachene CKK. 2017. Effect of Rangeland Rehabilitation on the Herbaceous Species Composition and diversity in Suswa Catchment, Narok County, Kenya. *Ecological Processes* 6(41). <https://doi.org/10.1186/s13717-017-0109-1>
8. Adhiambo MP, Kironchi G, **Mureithi SM**, Kathumo VM. 2017. Assessment and projection of land use and land cover change in Nguruman Sub-catchment, Kajiado County. *International Journal of Agriculture, Environment and Bio Research* 2(5): 15-34. URL: <http://ijaeb.org/link1.php?id=63>

9. Wangui J, Gachene C, **Mureithi S**, Kiteme B. **2017**. Assessment of Land Use and Land Cover Change in Lake Ol Bolossat Catchment, Nyandarua County, Kenya. *International Journal of Environmental and Ecological Engineering* 4(7).
10. Adhiambo MP, Kironchi G, **Mureithi SM**, Kathumo VM. **2017**. Assessing land use and land cover change using participatory geographical information system (PGIS) approach in Nguruman Sub-catchment, Kajiado North Sub-County, Kenya. *Journal of Geography and Regional Planning* 10(8), pp. 219-228. DOI: [10.5897/JGRP2016.0606](https://doi.org/10.5897/JGRP2016.0606)
11. Konana C, Gachene CKK, Mburu D, **Mureithi SM**, Gicheru P, Khalif Z. **2017**. Drivers of Gully Erosion: Case of Suswa Catchment in Narok County, Kenya. *International Journal of Social Science and Technology* 2(3). ISSN: [2415-6566](https://doi.org/10.5897/IJST2016.0606)
12. Konana C, Gachene CKK, Mburu D, **Mureithi SM**, Gicheru P, Khalif Z. **2017**. Land use and land cover change and its implications on Gully erosion in Suswa Catchment, Narok County. *International Journal of Scientific Research and Innovative Technology* 4(5): 59-74.
13. Konana C, Gachene CKK, Mburu D, **Mureithi SM**, Gicheru P, Khalif Z. **2017**. Effect of gully erosion on livelihoods in Suswa catchment, Narok County. *International Journal of Current Research* 9(5): 51026-51032.
14. Koech, OK RN Kinuthia, GN Karuku, SM Mureithi, R Wanjogu. 2016. Irrigation levels affects biomass yields and morphometric characteristics of range grasses in arid rangelands of Kenya. *SpringerPlus* 5 (1):1640.
15. Koech OK, Kinuthia RN, Karuku GN, **Mureithi SM**, Wanjogu R. **2016**. Field curing methods and storage duration affect the quality of hay from six rangeland grass species in Kenya. *Ecological Processes* 5(3) DOI: [10.1186/s13717-016-0048-2](https://doi.org/10.1186/s13717-016-0048-2)
16. Watete PW, Makau WK, Njoka JT, MacOpiyo LA, **Mureithi SM**. **2016**. Are there options outside livestock economy? Diversification among Turkana and Mandera communities of northern Kenya. *Pastoralism: Research, Policy and Practice* 3. DOI:[10.1186/s13570-016-0050-4](https://doi.org/10.1186/s13570-016-0050-4)
17. Kuria SG, Adongo AO, **Mureithi SM**, Koech OK, Njoka JT and Kamande PN. **2016**. Cost of production, marketing and revenue generation from somali camel breed in Isiolo and Marsabit counties of northern Kenya. *Livestock Research for Rural Development* 28, Article #229. URL: <http://www.lrrd.org/lrrd28/12/kuri28229.html>
18. Kuria SG, Adongo AO, **Mureithi SM**, Koech OK, Njoka JT and Kamande PN. **2016**. Acquisition and management of Somali camel breed for pastoral resilience within peri-urban Isiolo and Marsabit counties of Northern Kenya. *Livestock Research for Rural Development* 28, Article #172. URL: <http://www.lrrd.org/lrrd28/9/kuri28172.htm>
19. Nyberg G, Knutsson P, Ostwald M, Öborn I, Wredle E, Otieno D, **Mureithi S**, Mwangi P, Said M, Jirstrom M, Grönvall A, Wernersson J, Svanlund S, Saxer L, Geutjes L, Karmebäck V, Wairore J, Wambui R, de Leeuw J and Malmer A. **2015**. Enclosures; transforming land, livestock and livelihood in dryland landscapes. *Pastoralism: Research, Policy and Practice* 5:25 DOI: [10.1186/s13570-015-0044-7](https://doi.org/10.1186/s13570-015-0044-7)
20. Koech OK, Kinuthia RN, **Mureithi SM**, Karuku GN, Wanjogu RK. **2015**. Water Stress Tolerance of Six Rangeland Grasses in the Kenyan Semi-arid Rangelands. *American Journal of Agriculture and Forestry*. 3(5): 222-229. doi: 10.11648/j.ajaf.20150305.18
21. Wairore JN, **Mureithi SM**, Wasonga VO and Nyberg G. **2015**. Enclosing the Commons: Reasons for the Adoption and Adaptation of enclosures in the Semi-arid Rangelands of Chepareria. *Journal of Human Ecology*. *Springer Plus* 4:595 DOI: [10.1186/s40064-015-1390-z](https://doi.org/10.1186/s40064-015-1390-z)
22. Wairore JN, **Mureithi SM**, Wasonga VO and Nyberg G. **2015**. Characterization of Enclosure Management Regimes and Factors Influencing their Choice among Agro-pastoralists in North-Western Kenya. *Pastoralism: Research, Policy and Practice* 5(14) DOI: [10.1186/s13570-015-0036-7](https://doi.org/10.1186/s13570-015-0036-7)
23. Wairore JN, **Mureithi SM**, Wasonga VO, and Nyberg G. **2015**. Benefits derived from rehabilitating degraded semi-arid rangelands through private enclosures in Chepareria. *Land Degradation & Development* 27(3):532-541 DOI: [10.1002/ldr.2420](https://doi.org/10.1002/ldr.2420)
24. Koech OK, Kinuthia RN, Karuku GN, **Mureithi SM** and Wanjogu R. **2015**. Water use efficiency of six rangeland grasses under varied soil moisture content levels in the arid Tana River County, Kenya. *Afr. J. Environ. Sci. Technol.* 9(7): 632-640. DOI: [10.5897/AJEST2015.1917](https://doi.org/10.5897/AJEST2015.1917)
25. Opiyo FEO, Wasonga VO, Nyangito MM, **Mureithi SM**, Obando J, Munang R. **2015**. Determinants of perceptions of climate change and adaptation among Turkana pastoralists in north-western Kenya. *Climate and Development*, DOI: [10.1080/17565529.2015.1034231](https://doi.org/10.1080/17565529.2015.1034231)
26. **Mureithi SM**, Verdoodt A, Njoka JT, Gachene CKK, and Van Ranst E **2015**. Benefits Derived from Rehabilitating A Degraded Semi-Arid Rangeland in Communal Enclosures, Kenya. *Land Degradation & Development* 27(8):1781–1872 DOI: [10.1002/ldr.2341](https://doi.org/10.1002/ldr.2341).

27. **Mureithi SM**, Verdoodt A, Njoka JT, Gachene CKK, Warinwa F, Van Ranst E. **2014**. Impact of community conservation management on herbaceous layer and soil nutrients in a Kenyan semi-arid savannah. *Land Degradation & Development* DOI: [10.1002/ldr.2315](https://doi.org/10.1002/ldr.2315)
28. **Mureithi SM**, Verdoodt A, Gachene CKK, Njoka JT, Wasonga VO, De Neve S, Meyerhoff E, Van Ranst E. **2014**. Impact of enclosure management on soil properties and microbial biomass in a restored semi-arid rangeland, Kenya. *Journal of Arid Land* 6(5): 561-570.
29. Koech OK, Ngugi RK, **Mureithi SM**, Karuku JN, Wanjogu RK. **2014**. Effect of Different Soil Water Content and Seed Storage on Quality of Six Range Grasses in the Semi-Arid Ecosystems of Kenya. *Environment and Ecology Research* 2(7): 261 - 271.
30. Koech OK, Ngugi RK, **Mureithi SM**, Karuku JN, Wanjogu RK. **2014**. Effect of varied soil water content on seed yield of six range grasses in the rangelands of Kenya. *Universal Journal of Agricultural Research* 2(5): 174-179.
31. Ngugi RK, Kilonzo JM, Kimeu JM, **Mureithi SM**. **2014**. Seasonal botanical characteristics of the diets of Grant's (*Gazella granti* Brooke) and Thompson's (*Gazella thompsoni* Guenther) in the dryland habitats. *International Journal of Biodiversity and Conservation* 6(8): 581-588.
32. Opiyo FEO, Wasonga VO, Schilling J, **Mureithi SM**. **2012**. Resource-based Conflicts in Drought-prone North-western Kenya: The Drivers and Mitigation Mechanisms. *Wudpecker Journal of Agricultural Research* 1(11): 442 – 453.
33. Ngugi RK, **Mureithi SM**, Kamande PN. **2011**. Climate forecast information: the status, needs and expectations among smallholder agro-pastoralists in Machakos District, Kenya. *International Journal of Current Research* 6(11): 006-012
34. Opiyo FEO, Ekaya WN, Nyariki DM, **Mureithi SM**. **2011**. Seedbed preparation influence on morphometric characteristics of perennial grasses of a semi-arid rangeland in Kenya. *African Journal of Plant Sciences* 5(8): 460–468.
35. Opiyo FEO, **Mureithi SM**, Ngugi RK. **2011**. The influence of water availability on pastoralist's resource use in Mwingi and Kitui Districts in eastern Kenya. *Journal of Human Ecology* 35(1): 43-52.
36. Verdoodt A, **Mureithi SM**, Van Ranst E. **2010**. Impacts of management and enclosure age on recovery of the herbaceous rangeland vegetation in semi-arid Kenya. *Arid Environments* 74(9), 1066 - 1073.
37. Kahi CH, Ngugi RK, **Mureithi SM**, Ng'ethe JC. **2009**. The effects of *Prosopis juliflora* Hyne (DC) and *Acacia tortilis* (Forssk) trees on herbaceous plants species and soil physical and chemical properties, on Njemps flats Baringo District, Kenya. *Tropical and Sub-tropical Ecosystems* 10(3): 441-449.
38. Verdoodt A, **Mureithi SM**, Ye L, Van Ranst E. **2009**. Chronosequence analysis of two enclosure management strategies in degraded rangeland of semi-arid Kenya. *Agriculture, Ecosystems and Environment* 129 (1-3): 332–339.

Books Chapters

1. **Mureithi SM**, Verdoodt A, Njoka JT, Olesarioyo JS, Van Ranst E. **2019**. Community-Based Conservation: An Emerging Land Use at the Livestock-Wildlife Interface in Northern Kenya. In: Kideghesho J, Rija A (Eds). *Wildlife Management - Failures, Successes and Prospects*. InTechOpen. DOI: [10.5772/intechopen.73854](https://doi.org/10.5772/intechopen.73854) | ISBN: 978-1-78985-292-9
2. **Mureithi SM**, Verdoodt A, Njoka JT, Gachene CKK, Kamande PN, Meyerhoff E and Van Ranst E. **2015**. Impact of enclosures on range condition and trend in a semi-arid rangeland, Kenya. In: Zeinabu Khalif, Charles KK Gachene, Patrick Gicheru, David Mwehia Mburu, Christopher Gatama Gakahu (Eds). *Sustainable Land Management in Drylands of Kenya. Improving Land Productivity through Participatory Research and Technology Transfer*. United Nations Development Programme - Kenya 2015. Nairobi, Kenya. ISBN 978 9966 1805 5 1. Pp: 275-293.
3. Verdoodt A, Moussandek R, **Mureithi SM**, Vermang J and Ye L. **2013**. Opportunities and challenges in assessing and combating land degradation. In: De Boever, M., Khlosi, M., Delbecque, N., De Pue, J., Ryken, N., Verdoodt, A., Cornelis, W., Gabriels, D. (Eds.). (2013). *Desertification and land degradation: processes and mitigation*. Gent, Belgium. Ghent University and UNESCO Chair of Eremology. pp. 35-42.
4. **Mureithi SM**, Verdoodt A and Van Ranst E. **2010**. Effects and implications of enclosures for rehabilitating degraded semi-arid rangelands: Critical lessons from Lake Baringo Basin, Kenya. In: *Land Degradation and Desertification: Assessment, Mitigation and Remediation*. (Pandi Zdruli, Marcello Pagliai, Selim Kapur and Angel Faz Cano, Eds). Springer Dordrecht Heidelberg London New York. DOI [10.1007/978-90-481-8657-0](https://doi.org/10.1007/978-90-481-8657-0). 490pp. 111-130.

Selected Conference Proceedings, Technical Papers, Training and Consultancy Reports, Extended Abstracts and Posters

1. **Mureithi SM**, Nyilitya BK, Boeckx P. **2019**. Tracking Riverine Nitrate Losses (Sources) in Lake Victoria Catchment, Kenya. 29TH APRIL – 3RD MAY 2019, UN ENVIRONMENT, NAIROBI, KENYA
2. Rutoh LC, Otieno DJ, Kosura WO, Nyberg G; **Mureithi SM. 2019**. Emerging Forms of Land Market Participation and Implications on Pastoralists' Livelihoods in Kenya. 20th Land and Poverty Conference. March 25-29, 2019. Washington, DC, USA.
3. Mohamed SS, Otieno DJ, Nzuma J; **Mureithi SM. 2019**. Understanding the key Drivers of Land use and Livelihood dynamics in the Drylands of Kenya: The Case of Fodder production in Isiolo County. 20th Land and Poverty Conference. March 25-29, 2019. Washington, DC, USA.
4. **Mureithi SM. 2018**. Commercial fodder production and its economic feasibility in ASAL counties. Joint FAO & Triple L Workshop on land tenure reforms and change. Jacaranda Hotel, Nairobi, Kenya. November 14-15, 2018.
5. **Mureithi SM**, JN Wairore, A Verdoodt. **2018**. Approaches for resilience building through restoration of degraded dryland in Kenya. International Development Research Conference (DesRes2018), 22-23 August, 2018. Gothenburg University, Sweden.
6. **Mureithi SM**, Mwangi AW and Gruber B. **2018**. Field Report: Training on Permaculture with emphasis on erosion control in Rusinga Island, Homa Bay County. 15-19/01/2018. Badilisha Community Center.
7. **Mureithi SM. 2018**. Technologia tofauti za kutega maji and kupanda mimea. Sura ndani ya Kitabu Cha Permaculture. Kimeandikwa na Feleshi P. na Gruber B.
8. Watete WP, Kogi-Makau W, Njoka JT, Mbogo E, MacOpiyo L, **Mureithi SM. 2016**. Protecting Pastoral Granaries: An Application of the FAO Resilience Model among Households in Northern Kenya.v10th International Rangeland Congress, 634.
9. **Mureithi SM** and Alphayo L. **2016**. Pasture Production and Conservation Training Report. Submitted to African Dryland Institute for Sustainability, University of Nairobi.
10. Opiyo FEO, **Mureithi SM**, Manzano JNA, Pitaud T. **2016**. An indicator framework for measuring pastoralists' resilience to drought in the Horn of Africa. Paper No.1, June 2016. Resilience Technical Paper Series. Produced by IGAD/ICPAC with support from UNDP.
11. Wairore JN, **Mureithi SM**, Nyberg G, Wasonga VO. **2016**. Enclosing the Commons: Reasons for the adoption of enclosures in the arid and semi-arid rangelands of Chepareria, Kenya. Paper presented in Workshop: Landscape management and design for food, bioenergy and the bioeconomy: methodology and governance aspects. 15 - 16 March, 2016. Chalmers, Gothenburg, Sweden.
12. Koech OK and **Mureithi SM. 2015**. Baseline Survey Report on Pasture Production in Isolo and Marsabit County. Consultancy Report submitted to the Centre for Sustainable Dryland Ecosystem and Societies (CSDES), University of Nairobi.
13. **Mureithi SM**, Verdoodt A, Gachene CKK, Njoka JT, Wasonga VO, De Neve S, Meyerhoff E, Van Ranst E. **2015**. Impact of enclosure management on soil properties and microbial biomass in a restored semi-arid rangeland, Kenya. 1st Conference on Afro-Mediterranean Soils, 18-19th December 2015. Marrakech, MOROCCO. <http://www.fao.org/soils-2015/events/detail/fr/c/345436/>
14. Koech OK, Kinuthia RN, Karuku GN, **Mureithi SM** and Wanjogu RK. **2015**. Poster: Irrigated pasture production for enhancing resilience of pastoral livelihoods in Kenya. 1st Annual Rangelands Congress. August 11-12, 2015. KBC Leadership Center, Karen, KENYA.
15. Gert Nyberg, Jan de Leeuw, Peter Mwangi, Mohammed Said, Shem Kifugo, **Stephen Mureithi**, Ewa Wredle. **2014**. Enclosures – a productive, carbon sequestering and sustainable alternative to pastoralism? The Triple L Initiative – Land, Livestock and Livelihood. The World Congress on Agroforestry. 10 – 14th February, 2014. Delhi, INDIA. <http://www.wca2014.org/>
16. **Mureithi SM**, Verdoodt A, Njoka JT, Gachene CKK, Kamande PN, Meyerhoff E and Van Ranst E. **2013**. Impact of enclosures on range condition and trend in a semi-arid rangeland, Kenya. In Proceedings, National Conference on Sustainable Land Management. 'Sustainable Land Management in Drylands of Kenya: Towards increasing Land Productivity'. The Great Rift Valley Lodge & Golf Resort. 25th to 29th November, 2013. Naivasha, KENYA.
17. **Mureithi SM**, Verdoodt A, Njoka JT, Gachene CKK, Warinwa F and Van Ranst E. **2013**. Impact of land zoning under community natural resource management programme a Kenyan semi-arid rangeland. In Proceedings: 1st Student-Led Conference organised by the Centre for Sustainable Drylands and Societies (CSDES) of the University of Nairobi. 29 - 30th May, 2013. Nairobi, KENYA.
18. **Mureithi SM**, Verdoodt A, Njoka JT, Gachene CKK, Warinwa F and Van Ranst E. **2013**. Impact of community conservation management on a Kenyan semi-arid savannah. In Proceedings: Desertland. Conference on Desertification and Land Degradation. 17 & 18 June, 2013, Gent, BELGIUM. <http://www.desertland.eu/>

19. **Mureithi, S.M.**, Verdoodt, A. Njoka, J.T., Gachene, C.K.K., Meyerhoff, E. and Van Ranst, E. **2012**. Direct benefits derived from a rehabilitated semi-arid rangeland in Kenya. In Proceedings Vol. 1: Deforestation, Overgrazing and Desertification ; Land Degradation, Remediation and Reclamation ; Wetland Soils and Climate Change. Ed. S Kapur, MT Esetilli, & F Özen. 2012. 143-148. 8th International Soil Science Congress on “Land Degradation and challenges in Soil Management”. May 15-17, 2012. Çeşme-Izmir, TURKEY. www.soilcongress.ege.edu.tr
20. Verdoodt, A., Moussandek, R., **Mureithi, S.M.**, Vermang, J. and Ye, L. **2012**. Opportunities and challenges in assessing and combating land degradation. Paper presented in the Desertland: Fourth Conference on Desertification and Land Degradation. 17-18th June, 2012. Gent, BELGIUM. <http://www.desertland.eu/>
21. **Mureithi, S.M.**, Verdoodt, A., Wasonga, V.O., Njoka, J.T., Gachene, C.K.K. & Van Ranst, E. **2012**. Effectiveness of enclosures in restoration of degraded semi-arid rangeland in Lake Baringo Basin, Kenya. Poster. Eurosoil 2012, 2-6th July, 2012. Bari, ITALY.
22. **Mureithi, S.M.**, Njoka, J.T., Gachene, C.K.K., Verdoodt, A., Warinwa, F. & Van Ranst, E. **2011**. “Impact of Rehabilitated Sites on Herbivore Dynamics in a Livestock-wildlife Interface in Laikipia, Kenya.” CBD Technical Series. Ed. Jacqueline Grekin & Jo Mulongoy. Vol. 62. Montréal, QU, CANADA: Secretariat of the Convention on Biological Diversity World Trade Centre, 2011. 78–80. <http://www.cbd.int/doc/publications/cbd-ts-62-en.pdf>
23. Opiyo, F.E.O. and **Mureithi, S.M.** **2011**. Strategies for Mitigating Drought-induced Resource Use Conflicts among Pastoralists of Northwestern Kenya. The African Centre for the Constructive Resolution of Disputes (ACCORD). International Conference on Climate Change and Conflict 15 & 16 September 2011, Durban, South Africa.
24. **Mureithi, S.M.** **2011**. Final evaluation of scaling up range rehabilitation project in community areas in Laikipia-Kenya: Biophysical and socio-economic impacts of range rehabilitation in Tiamamut-Kijabe-Nkiloriti Community Ranches. African Wildlife Foundation Report. 40 pp. May 2011.
25. **Mureithi, S.M.** and Opiyo, F.E.O. **2010**. Resource Use Planning Under Climate Change: Experience from Turkana and Pokot Pastoralists of North-western Kenya. In Proceedings: 2nd International Conference on Climate, Sustainability and Development in Semi-Arid Regions, Fortaleaza, Ceara, BRAZIL 16th – 20th August 2010.
26. **Mureithi, S.M.**, A. Verdoodt and Van Ranst, E. **2008**. The effects of enclosures for rehabilitating degraded semi-arid land in Lake Baringo Basin, Kenya. In: Zdruli, P. and Constantini, E. (Eds). “Moving ahead from assessments to actions: Could we win the struggle with land degradation?” Books of Abstracts Vol. II. 5th International Conference on Land Degradation. Valenzano, Bari, ITALY 18-22 September 2008. Pp 135-141 ISBN 2-85352-399-3

Policy Briefs

1. **Mureithi, S.M. and SG Kiama.** **2019**. College of Agriculture and Veterinary Sciences (CAVS) Information Brief. 2019. University of Nairobi, Kenya. University of Nairobi, Kenya.
2. **Mureithi, S.M.** **2018**. Making green transport including BRT work in Nairobi Metropolis. University of Nairobi, Kenya.
3. **Mureithi, S.M.** **2018**. Commercial fodder production and its economic production in the ASAL Counties. ILRI/AgriFoSe Policy Brief. URL: <https://www.slu.se/globalassets/ew/org/andra-enh/uadm/global/agrifose/outputs/briefs/ilri/dr.-stephen-m.-mureithi-brief-october-2018.pdf>
4. Adongo AO, Kuria SG, Koech OK, **Mureithi SM**, Njoka JT and Kamande PN. **2016**. Enhancing cooperative governance and business planning can improve marketing of hygienic milk products in northern Kenya. IGAD PRDF Policy Brief.
5. Kuria SG, Adongo AO, **Mureithi SM**, Koech OK, Njoka JT and Kamande PN. **2016**. Adopting the Somali Camel for Enhanced Profitability and Pastoral Resilience in northern Kenya. IGAD PRDF Policy Brief.

Training Manuals

1. **Mureithi SM, Koech OK and Lochipo PA.** **2018**. Fodder Production and Conservation Manual. Manual for the Field Extension Workers in ASAL Counties, Kenya. African Dryland Institute for Sustainability. University of Nairobi, Kenya.
2. Koech OK, **Mureithi SM**, Kuria SG, Njoka JT and Kamande PN. **2016**. Fodder Production and Conservation for Improved Livestock Production Training Manual - Enhancing Resilience for Sustainable Livestock Production Systems in the Drylands. African Dryland Institute for Sustainability. University of Nairobi, Kenya.

Theses

3. **Mureithi, S.M.** **2012**. The effects of enclosures and land-use zoning on the restoration of degraded semi-arid rangeland in Kenya. Published PhD thesis, ISBN 978-9-4619708-4-8 Link: <https://biblio.ugent.be/publication/3069166>

4. **Mureithi, S.M. 2006.** The effect of enclosures on rehabilitation of degraded semi-arid land in Lake Baringo Basin, Kenya. Unpublished M.Sc. Thesis, Ghent University Belgium. Link: http://www.plr.ugent.be/peдон_18.pdf

J. SCIENTIFIC JOURNAL EDITOR AND PEER-REVIEWER

I am currently serving as the Executive Editor for the Faculty of Agriculture Journal of Agro-Sciences and Technology. <http://journals.uonbi.ac.ke/index.php/jast/index>

I also regularly conduct peer-review for Web of Science Journals: Restoration Ecology, Land Degradation & Development, Agriculture, Agro-ecosystems and Environment, The Rangeland Journal and Aridland Research and Management among others. <https://publons.com/author/453764/stephen-m-mureithi#profile>

K. CONFERENCES/SEMINARS/WORKSHOPS ATTENDED

1. Development Research Conference (DevRes2018). 'Rethinking Development'. Gothenburg, 22-23 Aug **2018**. Gothenburg, **SWEDEN**.
2. Third Research co-ordinated Meeting on 'Application and Development of Isotope Techniques to Evaluate Human Impacts on Water balance and Nutrient Dynamics of Large River Basins'. 11-15th April, **2017**. **IAEA-VIC. Vienna, AUSTRIA**.
3. Second Regional Conference on Risk Transfer and Micro-Insurance for Resilience Building in the IGAD Region. 17-19th May, **2017 Khartoum, SUDAN**
4. Triple L - Land, Livestock and Livelihood Dynamics in Dryland Systems Annual Workshop. 28-30th Nov. **2016. Kitale & Kapenguria, KENYA**. www.triplel.se
5. Second Research co-ordinated Meeting on 'Application and Development of Isotope Techniques to Evaluate Human Impacts on Water balance and Nutrient Dynamics of Large River Basins'. 10-16th April, 2016. **IAEA-VIC. Vienna, AUSTRIA**.
6. 1st AgriFoSe Workshop - Landscape management and design for food, bioenergy and the bioeconomy: methodology and governance aspects. Presented a paper: Enclosing the Commons: Reasons for the adoption of enclosures in the arid and semi-arid rangelands of Chepareria, Kenya. March 15-16, Chalmers University, Gothenburg, **SWEDEN**.
7. 1st Conference on Afro-Mediterranean Soils: Constraints and Opportunities, 18-19th December **2015**. Marrakech, **MOROCCO**. <http://www.fao.org/soils-2015/events/detail/fr/c/345436/>
8. 1st Annual Rangelands Congress. Status and trends in the rangelands and options for the future. August 11-12, 2015. KCB Leadership Center, Karen, **KENYA**.
9. System for Land-based Emissions Estimations for Kenya (SLEEK) Quarterly Meeting. Mt. Kenya Safari Club. July 27-29, **2015**. Nanyuki, **KENYA**.
10. Training on RothC modelling for the System of Land-based Emission Estimation for Kenya (SLEEK). University of Nairobi, LARMAT GIS Lab. July 20-24, **2015**. Nairobi **KENYA**.
11. Michigan Difference – Scientific Writing and Critical Thinking. Workshop organised jointly by the Centre for Dryland Sustainable Dryland Ecosystems and Societies, University of Nairobi and the University of Michigan. July 6-8, **2015**. University of Nairobi, **KENYA**.
12. System for Land-based Emissions Estimations for Kenya (SLEEK) Quarterly Meeting. Sarova Shaba Game Reserve. April 13-15, **2015**. Samburu, **KENYA**.
13. Enhancing community-based farming systems by integrated and efficient soil-water-nutrient management regimes in sub-Saharan Africa: from research to farm business enterprises. Australia-African Universities Network (AAUN) PRDF Workshop. CHAKS Guest House and Conference Centre, University of Nairobi. February 23 - 24, **2015**. **Nairobi, KENYA**.
14. Dryland Collaborative Knowledge Network Workshop: Collaborative Institutions and Innovative Transformations to Sustainability. Colorado State University (CSU). January 28-31, **2015**. **Colorado, USA**.
15. Triple L - Land, Livestock and Livelihood Dynamics in Dryland Systems. 18-22nd Nov. **2014**. **Kitale, KENYA**.
16. Rangeland Management National Consultative Workshop on ". Zen Garden, Lower Kabete, 10/11/2014. **Nairobi, KENYA**.
17. First Research co-ordinated Meeting on 'Application and Development of Isotope Techniques to Evaluate Human Impacts on Water balance and Nutrient Dynamics of Large River Basins'. 20-24th October, 2014. **IAEA-VIC. Vienna, AUSTRIA**.

18. System for Land-based Emissions Estimations for Kenya (SLEEK) Quarterly Meeting. Mt. Kenya Safari Club. 7 – 9th July, **2014. Nanyuki, KENYA.**
19. System for Land-based Emissions Estimations for Kenya (SLEEK) Quarterly Meeting. Great Rift Valley Lodge & Golf Resort. 14 – 16th April, **2014. Naivasha, KENYA.**
20. National Land Conference on Sustainable Land Management in Dry lands of Kenya: Towards increasing Land Productivity. Organised by Mainstreaming Sustainable Land Management in Agro-Pastoral Production Systems of Kenya Project. 25th – 29th Nov. **2013. Naivasha, KENYA.** www.slmkenya.org
21. Triple L - Land, Livestock and Livelihood Dynamics in Dryland Systems. 18-20th Nov. **2013. Kitale, KENYA.**
22. 6th Africa Soil Science Society (ASSS) and the 27th Soil Science Society of East Africa (SSSEA) Conference. Soil is Wealth, Protect it. 21-25th October, **2013. Nakuru, KENYA.**
23. Desertland: The Fourth Conference on Desertification and Land Degradation. 17-18th June, 2012. Gent, BELGIUM. <http://www.desertland.eu/>
24. 1st Student-Led Conference organised by the Centre for Sustainable Drylands and Societies (CSDS) of the University of **Nairobi, KENYA.** 29 - 30th May, **2013.**
25. Day of the Young Soil Scientist: 20th Feb. **2013.** Organised by The Belgium Society of Soil Science. **Brussels, BELGIUM.**
26. 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management" 15-17th May **2012, Çeşme-İzmir-TURKEY.**
27. CBD SBSTTA 15 - Fifteenth meeting of the Subsidiary Body on Scientific, Technical and Technological Advice. 7 - 11 November **2011. Montreal, CANADA.** <http://www.cbd.int/ts>
28. Web 2.0 Learning in Agriculture at Baraka Agricultural College, **Molo KENYA.** 27th Sept – 1st Oct. **2010.**
29. 2nd International Conference on Climate, Sustainability and Development in Semi-Arid Regions, **Fortaleza, Ceara, BRAZIL** 16th – 20th August **2010.**
30. Practical Action Workshop: "Informing adaptation to Climate Change among Pastoralists in Northern Kenya". 7 – 8th July, **2010.** Nairobi Safari Club, **Nairobi, KENYA.**
31. 19th East African Environmental Network Conference 22nd -23rd May **2009,** AMREF International Training Centre, **Nairobi KENYA.** Theme: Energy, Gender and the Environment.
32. 5th International Conference on Land Degradation. **Valenzano, Bari, ITALY** 18-22 September **2008.** Theme: "Moving ahead from assessments to actions: Could we win the struggle with land degradation?"
33. Dryland Livestock-Wildlife Environment Interface Project (DLWEIP) Steering Committee Workshop, 12th-13th April **2008, Nanyuki, KENYA**
34. DLWEIP Finding and Synergies Workshop, 13th-14th April **2008, Nanyuki, KENYA**
35. World Neighbours – East Africa Experience in Rural Development Workshop, **Nairobi, KENYA.** 7th – 9th August **2002**

L. SCHOLARSHIP/FELLOWSHIP AWARDS AND HONOURS

1. Awarded **Special Research Fund (BOF) Doctoral Fellowship** of Ghent University (March 2011 – March 2013) for completing my PhD studies at Ghent University, Belgium.
2. Awarded Sponsorship by **CTA, Wageningen University** to participate in Web 2.0 Learning in Agriculture at Baraka Agricultural College, Molo Kenya. 27th Sept – 1st Oct. 2010.
3. Awarded **Full Sponsorship by DFID** to attend and present a paper in the 2nd International Conference on Climate, Sustainability and Development in Semi-Arid Regions, Fortaleza, Ceara, Brazil 16th – 20th August 2010.
4. Awarded **Travel Grant by CTA, Wageningen University** thro' **CIHEAM, Italy** to attend and present a paper in the 5th International Conference on Land Degradation, Bari Italy 18th – 22nd September 2008.
5. Awarded **Flemish Inter-University Council (VLIR) Scholarship** (Oct. 04 – Sept. 06) for International Course Programme in Physical Land Resources (MSc) at Ghent University, Belgium
6. Awarded **MASHAV Scholarship** by Israeli Ministry of Foreign Affairs to attend 6th MASHAV International Course on Conservation of Biodiversity in Desert Ecosystems, Ben Gurion University of the Negev, State of Israel
7. Awarded Government of Kenya (**GOK**) Undergraduate Sponsorship for BSc Oct. 96 – June 00
8. Awarded Certificates of Academic Excellence, Best Student-District Day Schools (DD2) Category, Kenya Certificate of Secondary Education (**KCSE**) 1994. Mathira Division and Nyeri District

M. MEMBERSHIP IN PROFESSIONAL SOCIETIES

1. Member, International Society for Ecological Restoration (SER) www.ser.org
2. Member, World Association of Soil and Water Conservation (WASWC) www.waswc.org
3. Member, Soil Science Society of East Africa (SSSEA)
4. Member, Eastern Africa Environmental Network (EAEN) www.eaenet.or.ke
5. Member, the East Africa Natural History Society (Nature Kenya) www.naturekenya.org
6. Member, Kenya Forest Working Group (KFWG) www.kenyaforests.org

N. SKILLS & PROFESSIONAL DEVELOPMENT

1. Fluent in Microsoft Office applications
2. Statistical analysis (GenStat, SPSS, S-Plus, RETC-for Soil Science)
3. Use of GPS, IDRISI & QGIS
4. Analysis of Geostatistical data
5. Competent driving skills: Clean DL Class BCE

O. REFEREES

1. Prof. Dr. Jesse Theuri Njoka, Ecologist, NRM Specialist
Associate Professor, Department of Land Resource Management & Agricultural Technology (LARMAT); &
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3. Prof. Dr. Eric Van Ranst, Soil Scientist and Professor
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