

## CURRICULUM VITAE

### **OLIVER VIVIAN WASONGA (PHD (DRYLAND ECOLOGY & PASTORAL LIVELIHOODS), MSC (RANGE ECOLOGY) & BSC (RANGE MANAGEMENT)**

Department of Land Resource Management and Agricultural Technology,

Faculty of Agriculture, University of Nairobi

P.O. Box 29053-00625, Nairobi, Kenya

Tel: +254 734 258 765 OR +254 722 258 765

Email: [oliverwasonga@uonbi.ac.ke](mailto:oliverwasonga@uonbi.ac.ke) / [oliverwasonga@gmail.com](mailto:oliverwasonga@gmail.com)

Skype: oliver-wasonga

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#### **Important Links:**

1. <https://profiles.uonbi.ac.ke/oliverwasonga/>
2. <http://oliverwasonga.info>
3. <https://orcid.org/0000-0002-5929-6091>
4. <https://www.scopus.com/authid/detail.uri?authorId=56268680800>
5. <https://www.mendeley.com/authors/56268680800/>
6. [https://scholar.google.com/citations?hl=en&user=IQVWjTIAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=en&user=IQVWjTIAAAAJ&view_op=list_works&sortby=pubdate)
7. [https://www.researchgate.net/profile/Oliver\\_Wasonga/publications](https://www.researchgate.net/profile/Oliver_Wasonga/publications)

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#### **A. PERSONAL DETAILS**

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|---------------------------------|--|--|
| i. <b>Gender:</b>               | Male   |  |
| ii. <b>Nationality:</b>         | Kenyan   |  |
| iii. <b>Area of competence:</b> | Rangeland Ecologist with speciality in Dryland Ecosystems Analyses; Pastoral Production Systems, and Climate Change Adaptation and Resilience. |  |
| iv. <b>Current position:</b>    | Senior Lecturer, Department of Land Resource Management and Agricultural Technology.   |  |

#### **B. CAREER OBJECTIVE**

To contribute to resilient dryland ecosystems and pastoral livelihoods by generating and sharing information to support dynamic training and research for demand- and science-led policies and development.

#### **C. SYNOPSIS**

Dr. Oliver Vivian Wasonga is a Dryland Ecologist with specialization in Range Management and Pastoral Production Systems, and over 20 years' experience in work related to Sustainable Dryland Resource Management, Climate Change Adaptation and Pastoral Livelihoods. He is currently a Senior Lecturer in the Department of Land Resource Management and Agricultural Technology (LARMAT) at the University of Nairobi (<https://profiles.uonbi.ac.ke/oliverwasonga>). During 2011- 2014, he worked as a Post-Doctoral Research Fellow at the German Institute for Tropical and Sub-Tropical Agriculture (DITSL) at the University of Kassel in Witzenhausen, Germany (<https://www.ditsl.org/en/team-contact>). In addition to teaching, he has supervised eleven (11) PhD and fifteen (15) MSc students to completion, and currently supervising eight (7) PhD and seven (6) MSc. students. He chairs the Faculty Graduate Studies Committee, and is the immediate former chair of the Faculty Timetabling Committee, and represent the University of Nairobi in the ARUA Centre of Excellence in Sustainable Food Systems Management Committee (MANCO). He has been leading the following current and previous research projects at the University of Nairobi: i) Drought Resilience In East African dryland Regions (DRIER) project, funded by the Royal Society, UK (**On-going**); ii) Translation of climate information into multilevel decision support for social adaptation, policy development, and resilience to water scarcity in the Horn of Africa Drylands

(DOWN2EARTH), funded by EU (**On-going**); iii) Climate Resilient Development Pathways for Semi-Arid Regions of Africa and Asia (CRDP-SAR) Project, funded by IDRC (**On-going**); iv) International Virtual Course (IVC): Tackling Climate Change through Global Learning, funded by the Mercator Foundation Switzerland (**On-going**); v) Economic Valuation of Sustainable Rangeland Management Practices in Northern Kenya, funded by EU& GIZ; vi) Adaptation at Scale in Semi-Arid Regions (ASSAR) funded by IDRC and DFID; vii) Fodder Production for Enhanced Pastoral and Agro-Pastoral Resilience in the Drylands of Kenya (PREPARED), funded by the Regional Universities Forum for Capacity Building in Agriculture (RUFORUM); viii) Assessing the Role of Stratified Livestock Production in Reduction of Post-Harvest Losses in Pastoral meat Value Chain in Kenya, funded by the German Federal Ministry of Education and Research (BMBF); ix) Role of Livestock Marketing Associations in Pastoral Meat value chain, funded by BMBF; x) Foundations for climate resilient and sustainable growing settlements (U-RES), funded by the Natural Environment Research Council (NERC) through the Global Challenges Research Fund (GCRF); and xi) Re-Packing Indigenous Knowledge to Inform Policy, Development and Pastoral Community Action in Kenya (PIK), funded by the Christensen Fund. He serves as a reviewer in 12 peer refereed Journals (mainly Elsevier and Springer), and as an editor in three of them. Dr. Wasonga's other experiences include consultancies with several international and national organizations such as the World Bank, African Development Bank, UNDP, WFP, GAIN, FAO, ILRI, IUCN, IIED, AU-IBAR, IGAD/ICPAC; IGAD/ICPALD; AWF/KWS, National Drought Management Authority (NDMA), AMREF, ACF, NCKK, GIZ, MS-TCDC-Action Aid, CORDAID-Netherlands, IFAW, CARE-Tanzania, VSF-Belgium, among others. He has published in diverse areas including rangeland ecology, pastoral livelihoods, climate change adaptation, natural resource management, and indigenous knowledge.

#### D. EDUCATION

- 2004 – 2009:** Doctor of Philosophy, Range Management (Dryland Ecology & Pastoral Livelihoods), University of Nairobi.
- 1998 – 2001:** Master of Science, Range Management (Range Ecology Option), University of Nairobi
- 1992 – 1996:** Bachelor of Science, Range Management, University of Nairobi.

#### E. ACADEMIC CAREER

- 2016 - Date:** Senior Lecturer, Department of Land Resource Management and Agricultural Technology, University of Nairobi. (<https://profiles.uonbi.ac.ke/oliverwasonga/>)
- 2011 – 2015:** Lecturer, University of Nairobi, Department of Land Resource Management and Agricultural Technology, Range Management Section (<https://profiles.uonbi.ac.ke/oliverwasonga/>)
- 2011 - 2014:** Post-Doctoral Scientist, German Academic Exchange Service (DAAD), GrassNet Programme at the German Institute for Tropical and Sub-Tropical Agriculture (DITSL) at University of Kassel, Witzenhausen, Germany (<https://www.ditsl.org/en/team-contact>)
- 2008 – 2011:** Tutorial Fellow, University of Nairobi, Department of Land Resource Management and Agricultural Technology.
- 2006 – 2008:** Part-time lecturer, University of Nairobi, Department of Land Resource Management and Agricultural Technology.

#### F. PUBLICATIONS

##### ***Papers in refereed journals***

1. Michael Elias Mgalula, **Oliver Vivian Wasonga**, Christian Hülsebusch, Uwe Richter and Oliver Hensel. **2021**. Greenhouse gas emissions and carbon sink potential in Eastern Africa rangeland ecosystems: A review. Pastoralism: Research, Policy and Practice (2021) 11:19 <https://doi.org/10.1186/s13570-021-00201-9>
2. Bulle Hallo Dabasso, **Oliver Vivian Wasonga**, Patrick Irungu and Brigitte Kaufmann. **2021**. Emerging pastoralist practices for fulfilling market requirements under stratified cattle production systems in Kenya's

3. Bulle Hallo Dabasso, **Oliver Vivian Wasonga**, Patrick Irungu and Brigitte Kaufmann. **2021**. Emerging pastoralist practices for fulfilling market requirements under stratified cattle production systems in Kenya's drylands. Animal Production Science. Accepted 23 February 2021. <https://www.publish.csiro.au/AN/justaccepted/AN20042>
4. Ong'ao P. Ng'asike , Tobias Hagmann & **Oliver V. Wasonga**. **2020**. Brokerage in the borderlands: the political economy of livestock intermediaries in northern Kenya, Journal of Eastern African Studies, DOI: 10.1080/17531055.2020.1845041
5. Alphayo I. Lutta, **Oliver Vivian Wasonga**, Moses M. Nyangito, Falendra Kumar Sudan and Lance W. Robinson. **2020**. Adoption of water harvesting technologies among agro-pastoralists in semi-arid rangelands of South Eastern Kenya. Environmental Systems Research (2020) 9:36. <https://doi.org/10.1186/s40068-020-00202-4>
6. Osaliya R., **O.V. Wasonga**, J-G. Majaliwa Mwanjalolo, L. Macopiyo, G. Kironchi And E. Adipala. **2020**. Predicted Land Use and Land Cover Outlook for Semi-Arid Lokere and Lokok Catchments in Karamoja Region, Uganda. African Crop Science Journal, Vol. 28, No. 4, pp. 595 – 616. <https://dx.doi.org/10.4314/acsj.v28i4.9>
7. Alphayo I. Lutta, **Oliver V. Wasonga**, Lance W. Robinson, Moses M. Nyangito, Jason Sircely. **2020**. Determinants of livestock market participation among pastoral communities of Tana River County, Kenya. Environment, Development and Sustainability. <https://doi.org/10.1007/s10668-020-00922-8>.
8. Raphael Lotira Arasio , Brigitte Kaufmann , **Oliver Vivian Wasonga** & David Jakinda Otieno. **2020**. Socio-cultural and governance foundations of successful income-generating groups in pastoral societies: Evidence from northern Kenya. Community Development, <https://doi.org/10.1080/15575330.2020.1767168>
9. Ahmed M. Musa, **Oliver V. Wasonga**, Nadhem Mtimet. **2020**. Factors influencing livestock export in Somaliland's terminal markets. Pastoralism Research, Policy and Practice (2020) 10:1 <https://doi.org/10.1186/s13570-019-0155-7>
10. Bulle Hallo Dabasso, **Oliver Vivian Wasonga**, Patrick Irungu and Brigitte Kaufmann. **2019**. Stratified Livestock Production Adds Value to Pastoral Cattle: Evidence from the Drylands of Kenya. Bull. Anim. Hlth. Prod. Afr., (2019), 67, 101-113.
11. Anthony Egeru, **Oliver Wasonga**, Geoffrey Gabiri, Laban MacOpiyo, John Mburu, and Jackson Gilbert Mwanjalolo Majaliwa. **2019**. Land Cover and Soil Properties Influence on Forage Quantity in a Semiarid Region in East Africa. Applied and Environmental Soil Science Volume 2019, Article ID 6874268, 15 pages. <https://doi.org/10.1155/2019/6874268>.
12. Alphayo I. Lutta, Lance W. Robinson, **Oliver V. Wasonga**, Eric Ruto, Jason Sircely, and Moses M. Nyangito. **2019**. Economic valuation of grazing management practices: Discrete choice modeling in pastoral systems of Kenya. Journal of Environmental Planning and Management, 2019. Vol. 0, No. 0, 1–17, <https://doi.org/10.1080/09640568.2019.1584097>.
13. Osaliya. R., **O. V. Wasonga**., J. G. M. Mwanjalolo., G. Kironchi and E. Adipala. **2019**. Land conversion is changing the landscape in the semi-arid Kapir catchment, northeastern Uganda. African Journal of Rural Development, Vol. 3(3): July- September 2018: pp. ISSN 2415-2838.
14. Erick Ouma Omollo, Stanley Odhiambo Jawuoro, **Oliver Vivian Wasonga**, and Danny Simatele. **2019**. Mapping and characterization of stakeholders in the fodder value chain in Southern Rangelands of Kenya: Understanding their roles, interactions and influences. Journal of Agricultural Science and Practice. Volume 4(5), pages 151-164, October 2019. ISSN: 2536-7072. <https://doi.org/10.31248/JASP2019.162>.
15. Raphael Lotira Arasio, Brigitte Kaufmann, David Jakinda Otieno, **Oliver Vivian Wasonga**. **2018**. Understanding the emergence and evolution of pastoral community groups from the perspective of community members and external development actors in northern Kenya. Journal of Agriculture and Rural Development in the Tropics and Subtropics Vol. 119 No. 2 (2018) 53–66. <https://doi.org/10.17170/kobra-2018121865> ISSN: 2363-6033 (online); 1612-9830 (print) – website: [www.jarts.info](http://www.jarts.info).
16. Bulle Hallo Dabasso, **Oliver Vivian Wasonga**, Patrick Irungu, Brigitte Kaufmann. **2018**. Stratified cattle production in pastoral areas of Kenya: Existing forms, driving factors and management practices. Applied Animal Husbandry & Rural Development 2018, Volume 11. [http://www.sasas.co.za/sites/sasas.co.za/files/Dabasso\\_vol%2011\\_Issue%201\\_Stratified%20cattle%20production%20in%20pastoral%20areas%20of%20Kenya.pdf](http://www.sasas.co.za/sites/sasas.co.za/files/Dabasso_vol%2011_Issue%201_Stratified%20cattle%20production%20in%20pastoral%20areas%20of%20Kenya.pdf).

17. Dabasso, B.H., **Wasonga, O.V.** and Irungu, P. **2018**. Historical analysis of government policies and programmes on pastoral livestock marketing in Kenya: lessons for future planning. *African Journal of Rural Development* 3 (4): 1035-1042.
18. Erick Ouma Omollo, **Oliver Vivian Wasonga**, Mohammed Yazan Elhadi and William Ngoyawu Mnene. **2018**. Determinants of pastoral and agro-pastoral households' participation in fodder production in Makueni and Kajiado Counties, Kenya. *Pastoralism Research, Policy and Practice* 20188:9 <https://doi.org/10.1186/s13570-018-0113-9>.
19. Kennedy Sakimba Kimiti, David Western, Judith Syombua Mbau and **Oliver Vivian Wasonga**. **2018**. Impacts of long-term land-use changes on herd size and mobility among pastoral households in Amboseli ecosystem, Kenya. *Ecological Processes* (2018) 7:4 DOI 10.1186/s13717-018-0115-y.
20. Joseph Ssekandi, John Mburu, **Oliver Wasonga**, Laban Macopiyo, Francis Charles. **2017**. Effects of Post Eviction Resettlement on Land-Use and Cover Change in Uganda's Oil Exploration Areas. *Journal of Environmental Protection*, 2017, 8, 1144-1157 <http://www.scirp.org/journal/jep> ISSN Online: 2152-2219 ISSN Print: 2152-2197.
21. Joseph Ssekandi, John Mburu, **Oliver Wasonga**, Laban Macopiyo, Francis Charles. **2017**. Resilience Enhancing Characteristics of Land Eviction-Displaced Communities in Uganda's Oil Exploration Areas. *Open Journal of Applied Sciences*, 2017, 7, 443-457 <http://www.scirp.org/journal/ojapps> ISSN Online: 2165-3925 ISSN Print: 2165-3917.
22. Joseph Ssekandi, Mburu John, **Wasonga Oliver**. **2017**. Assessment of mobility dynamics and re-settlement outcomes of land evictees in Uganda's oil exploration areas; the case of Hoima and Buliisa Districts. *Global Advanced Research Journal of Educational Research and Review* (ISSN: 2315-5132) Vol. 6(3) pp. 047-054, August, 2017 Available online <http://garj.org/garjerr/index.htm>
23. Muhammad Sabiu Suleiman, **Oliver Vivian Wasonga**, Judith Syombua Mbau, Yazan Ahmed Elhadi. **2017**. Non-timber forest products and their contribution to households' income around Falgore Game Reserve in Kano, Nigeria. *Ecological Processes* 6:23 DOI 10.1186/s13717-017-0090-8.
24. Muhammad Sabiu Suleiman, **Oliver Vivian Wasonga**, Judith Syombua Mbau, Yazan Ahmed Elhadi. **2017**. Spatial and temporal analysis of forest cover change in Falgore Game Reserve in Kano, Nigeria. *Ecological Processes* (2017) 6:11. DOI 10.1186/s13717-017-0078-4.
25. **Oliver Vivian Wasonga**, John Musembi, Kennedy Rotich, Ibrahim Jarso, Caroline King-Okumu. **2016**. Vegetation resources and their economic importance in Isiolo County, Kenya, IIED, London. <http://pubs.iied.org/10141IIED> ISBN: 978-1-78431-247-3.
26. Lutta Alphayo, **Oliver V. Wasonga**, Wilfred O. Odadi, Robinson K. Ngugi. **2016**. Differences of Soil Properties between Planned and Unplanned Grazing Sites in Semi-Arid Pastoral Rangelands of Northern Kenya. *International Journal Of Innovative Research & Development* Vol. 5 Issue 13. ISSN 2278 – 0211 (Online). [www.ijird.com/index.php/ijird/article/view/105906](http://www.ijird.com/index.php/ijird/article/view/105906)
27. Priscilla K. Lalampaa, **Oliver V. Wasonga**, Daniel I. Rubenstein and Jesse T. Njoka. **2016**. Effects of holistic grazing management on milk production, weight gain, and visitation to grazing areas by livestock and wildlife in Laikipia County, Kenya. *Ecological Processes* (2016) 5:17 DOI 10.1186/s13717-016-0061-5. <https://ecologicalprocesses.springeropen.com/articles/10.1186/s13717-016-0061-5>.
28. Kennedy Sakimba Kimiti, **Oliver Vivian Wasonga**, David Western and Judith Syombua Mbau. **2016**. Community perceptions on spatio-temporal land use changes in the Amboseli ecosystem, southern Kenya. *Pastoralism: Research, Policy and Practice* (2016) 6:24 DOI 10.1186/s13570-016-0070-0. [link.springer.com/article/10.1186/s13570-016-0070-0](http://link.springer.com/article/10.1186/s13570-016-0070-0)
29. Kyuma R. K., Wahome R. G., Kinama J. M. and **V. O. Wasonga**. **2016**. Temporal relationship between climate variability, *Prosopis juliflora* invasion and livestock numbers in the drylands of Magadi, Kenya. *African Journal of Environmental Science and Technology*. Vol. 10(4), pp. 129 – 140. DOI: 10.5897/AJEST2015.2034. Article Number: 2AD0D6B58204. ISSN 1996-0786.
30. Klerkson Okomboli Lugusa, **Oliver Vivian Wasonga**, Yazan Ahmed Elhadi and Todd Andrew Crane. **2016**. Value chain analysis of grass seeds in the drylands of Baringo County, Kenya: A producers' perspective. *Pastoralism: Research, Policy and Practice* (2016) 6:6.
31. Watete Wekondi Patrick, Kogi-Makau Wambui, Njoka Jesse Theuri, MacOpiyo Laban Adero, **Oliver Vivian Wasonga**. **2016**. Moving in and out of poverty: A case of the Somali and Turkana of northern Kenya. [Nomadic Peoples](http://www.nomadicpeoples.org), Volume 20, Number 1, 2016, pp. 123-140(18)

32. Francis Opiyo, **Oliver V. Wasonga**, Moses M. Nyangito, Stephen M. Mureithi, Joy Obando and Richard Munang. **2015**. Determinants of perceptions of climate change and adaptation among Turkana pastoralists in northwestern Kenya. *Climate and Development*, 2015.  
<http://dx.doi.org/10.1080/17565529.2015.1034231>.
33. Yazan Ahmed Elhadi, Dickson M Nyariki, **Oliver V Wasonga**. **2015**. Role of camel milk in pastoral livelihoods in Kenya: contribution to household diet and income. *Pastoralism: Research, Policy and Practice* (2015) 5:8. DOI 10.1186/s13570-015-0028-7.
34. Egeru, Anthony; **Wasonga, Oliver**; MacOpiyo, Laban; Mburu John; Majaliwa, Mwanjalolo G.J. **2015**. *African Study Monographs* 36(4): 261-296. Abundance and Diversity of Native Forage Species in Pastoral Karamoja Sub-Region, Uganda. <http://dx.doi.org/10.14989/202827>
35. John Ndung'u Wairore, Stephen Mwangi Mureithi, **Oliver Vivian Wasonga** and Gert Nyberg. **2015**. Characterization of enclosure management regimes and factors influencing their choice among agropastoralists in North-Western Kenya *Pastoralism: Research, Policy and Practice* (2015) 5:14 DOI 10.1186/s13570-015-0036-7
36. Benard Chira Gituku, **Oliver Vivian Wasonga** and Robinson Kinuthia Ngugi. **2015**. Economic contribution of the pastoral meat trade in Isiolo Town, Kenya. IIED Country Report. IIED, London. <http://pubs.iied.org/10124IIED> ISBN: 978-1-78431-153-7.
37. John N. Wairore, Stephen M. Mureithi, **Oliver V. Wasonga** and Gert Nyberg. **2015**. Enclosing the commons: reasons for the adoption and adaptation of enclosures in the arid and semi-arid rangelands of Chepareria, Kenya. *SpringerPlus* (2015) 4:595 DOI 10.1186/s40064-015-1390-
38. Anthony Egeru, **Oliver Wasonga**, Laban MacOpiyo, John Mburu, Elhadi Yazan, Mwanjalolo G.J. Majaliwa and Yazidhi Bamutaze. **2015**. Determinants of forage availability: An integration of remote sensing and traditional ecological knowledge in Karamoja Sub-region, Uganda. *Pastoralism: Research, Policy and Practice*. *Pastoralism: Research, Policy and Practice* (2015) 5:19 DOI 10.1186/s13570-015-0037-6
39. John N. Wairore, Stephen M. Mureithi, **Oliver V. Wasonga**, Gert Nyberg. **2015**. Benefits derived from rehabilitating a degraded semi-arid rangeland in private enclosures in west Pokot County, Kenya. *Land Degradation & Development*. DOI: 10.1002/ldr.2420.
40. Francis Opiyo, **Oliver V. Wasonga**, Moses M. Nyangito, Janpeter Schilling, Richard Munang. **2015**. Drought Adaptation and Coping Strategies among the Turkana Pastoralists of Northern Kenya. *International Journal of Disaster Risk Science*. DOI 10.1007/s13753-015-0063-4..
41. Margaret Waithera Mwaura, **Oliver Vivian Wasonga**, Yazan A M Elhadi and Robinson Kinuthia Ngugi. **2015**. Economic contribution of the camel milk trade in Isiolo Town, Kenya. IIED Country Report. IIED, London. <http://pubs.iied.org/10123IIED> ISBN: 978-1-78431-152-0.
42. Anthony Egeru, **Oliver Wasonga**, Laban MacOpiyo, John Mburu, John Tabuti, Majaliwa Mwanjalolo. **2015**. Biospheric influence on forage species composition & abundance in semi-arid Karamoja sub-region, Uganda. *Pastoralism: Research, Policy and Practice*. 5:12 DOI 10.1186/s13570-015-0032-y.
43. Pedro A. Segura, Hideshige Takada, José A. Corre, Karim El Saadi, Tatsuya Koike, SiawOnwona-Agyeman, John Ofosu-Anime, Edward Benjamin Sabi, **Oliver V.Wasonga**, Joseph M.Mghalu, Antonio Manuel dos Santos Junior, Brent Newman, Steven Weerts, Viviane Yargeau. **2015**. Global occurrence of anti-infectives in contaminated surface waters: Impact of income inequality between countries. *Environmental International*. 80 (2015) 89-97.
44. Yazan A M Elhadi and **Oliver V. Wasonga**. **2015**. Economic and nutritional contribution of camel milk in Northern Kenya: A field study in Isiolo County. IIED Country Report. IIED, London. <http://pubs.iied.org/10125IIED> ISBN: 978-1-78431-154-4.
45. Marcelino Napao Iruata, **Oliver V Wasonga** and Robinson Kinuthia Ngugi. **2015**. Economic contribution of the pastoral meat trade in Isiolo County, Kenya: Findings from Oldonyiro and Garbatulla Towns . IIED Country Report. IIED, London. <http://pubs.iied.org/10126IIED> ISBN: 978-1-78431-155-1.
46. Fikir Alemayehu, Onwonga Richard, Mwangi James Kinyanjui & **Wasonga Oliver V**. **2015**. Assessment of Shoreline Changes in the Period 1969-2010 in Watamu area, Kenya. *Global Journal of Science Frontier Research: H Environment & Earth Science*. Volume 14 Issue 6 Version 1.0 Year 2014. Online ISSN: 2249-4626 & Print ISSN: 0975-5896. [https://globaljournals.org/GJSFR\\_Volume14/3-Assessment-of-Shoreline-Changes.pdf](https://globaljournals.org/GJSFR_Volume14/3-Assessment-of-Shoreline-Changes.pdf)
47. Michael Elias, Oliver Hensel, Uwe Richter , Christian Hülsebusch, Brigitte Kaufmann and **Oliver Wasonga**. **2015**. Land Conversion Dynamics in the Borana Rangelands of Southern Ethiopia: An

Integrated Assessment Using Remote Sensing Techniques and Field Survey Data. *Environments* 2015, 2, 1-31; doi:10.3390/environments2010001. ISSN 2076-3298

48. Francis Opiyo, Moses Nyangito, **Oliver Vivian Wasonga** and Phillip Omondi, **2014**. Trend Analysis of Rainfall and Temperature Variability in Arid Environment of Turkana, Kenya. *Environmental Research Journal*, 8: 30-43. <http://medwelljournals.com/abstract/?doi=erj.2014.30.43>
49. Anthony Egeru, **Oliver Wasonga**, Joseph Kyagulanyi, GJ Mwanjalolo Majaliwa, Laban MacOpiyo and John Mburu. **2014**. Spatio-temporal dynamics of forage and land cover changes in Karamoja sub-region, Uganda. *Pastoralism: Research, Policy and Practice*, 4:6 <http://www.pastoralismjournal.com/content/4/1/6>
50. Francis Opiyo, **Oliver V. Wasonga** and Moses Nyangito. **2014**. Measuring household vulnerability to climate-induced stresses in pastoral rangelands of Kenya: Implications for resilience programming. *Pastoralism: Research, Policy and Practice* 2014, 4:10 <http://www.pastoralismjournal.com/content/4/1/10>
51. Egeru Anthony, Osaliya Richard, MacOpiyo Laban, Mburu John, **Wasonga Oliver** Barasa Bernard Said Mohammed, Aleper Daniel and Majaliwa Mwanjalolo Gilbert Jackson. **2014**. Assessing the spatio-temporal climate variability in semi-Arid Karamoja sub-region in north eastern Uganda. *International Journal of Environmental Studies* DOI: [10.1080/00207233.2014.919729](https://doi.org/10.1080/00207233.2014.919729). <http://dx.doi.org/10.1080/00207233.2014.919729>
52. Stephen M Mureithi, Ann Verdoodt, Charles KK Gachene, Jesse T Njoka, **Vivian O Wasonga**, Stefaan De Neve, Elizabeth Meyerhoff, Eric Van Ranst. **2014**. Impact of enclosure management on soil properties and microbial biomass in a restored semi-arid rangeland, Kenya. *Journal of Arid Land*, doi: 10.1007/s40333-014-0065-x.
53. Opiyo, F.E.O., **Wasonga, V.O.** JanPeter, S. Mureithi, SM. **2013**. Resource-based Conflicts in Drought-prone North-western Kenya: The Drivers and Mitigation Mechanisms. *Wudpecker Journal of Agricultural Research*, 1(11): 442 – 453.
54. Yazan A.M. Elhadi, D.M. Nyariki, **V.O. Wasonga** and W.N. Ekaya. **2012**. Factors Influencing Transient Poverty among Agro-pastoralists Semi-Arid areas of Kenya. *African Crop Science Journal*, Vol. 20, Issue Supplement s1, pp. 113 - 122 ISSN 1021-9730/2012
55. Yazan A.M. Elhadi, D.M. Nyariki, **V.O. Wasonga** and W.N. Ekaya. **2012**. Transient Poverty among Pastoral Households in the Semi-Arid Lowlands of Baringo District, Kenya. *Ocean Journal of Social Sciences* 5(1), 9-19 2012
56. **Wasonga, V.O.**, D.M. Nyariki and R.K. Ngugi. **2011**. Assessing Socio-Ecological Change Dynamics using Local Knowledge in the semi-arid lowlands of Baringo District, Kenya. *Environmental Research Journal*, 5 (1): 11 -17.
57. Mwang'ombe, A.W., W.N. Ekaya, W.M. Muiro, **V.O. Wasonga**, W.N. Mnene, P. Monga're and S.W. Chege. **2011**. Livelihoods under Climate Variability and Change: An analysis of the Adaptive capacity of Rural Poor to water Scarcity in Kenya's Drylands. *Journal of Environmental Science and Technology*, ISSN 1994-7887/DOI: 3923/JEST.2011.
58. **Wasonga, V.O.**, R.K. Ngugi, D.M. Nyariki, G. Kironchi and T.J. Njoka. **2005**. Effect of *Balanites glabra* canopy cover on grass production, organic matter and soil moisture in a southern Kenya rangeland. *African Journal for Range and Forage Science*, 20 (3): 265–270.
59. **Wasonga, V.O.**, R.K. Ngugi and A. Kitanyi. **2003**. Traditional Range Condition and Trend Assessment: Lessons from the Pokot and Il Chamus Pastoralists of Kenya *Anthropologist*, 5 (2): 79-87.
60. **Oliver Vivian Wasonga**, John Musembi, Kennedy Rotich, Ibrahim Jarso, Caroline King-Okumu. **2016**. Vegetation resources and their economic importance in Isiolo County, Kenya, IIED, London. <http://pubs.iied.org/10141IIED> ISBN: 978-1-78431-247-3.

#### **Refereed Papers Published in Workshop Proceedings**

1. Alphayo I. Lutta, **Oliver Vivian Wasonga**, Lance W. Robinson, Moses M. Nyangito. **2019**. Willingness to Pay for Sustainable Grazing Management Practices in Pastoral Systems of Kenya. In AGRO 2019 Secretariat. AGRO 2019 Conference and Exhibition, 22nd to 24th October 2019. Book of Peer Reviewed Abstracts.
2. Bulle Hallo Dabasso, **Oliver Vivian Wasonga**. **2019**. How Pastoralists Fulfil Market Requirements and Make Sales Under Stratified Cattle Production System in Kenya. In AGRO 2019 Secretariat. AGRO 2019 Conference and Exhibition, 22nd to 24th October 2019. Book of Peer Reviewed Abstracts.

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4. Nicholas Syano Mutuku, Moses M. Nyangito, Geoffrey Kironchi, **Oliver Vivian Wasonga** Agroforestry Practices and Factors influencing their Adoption by Households in the Drylands of Eastern Kenya. **2019**. In AGRO 2019 Secretariat. AGRO 2019 Conference and Exhibition, 22nd to 24th October 2019. Book of Peer Reviewed Abstracts.
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2. Caroline King-Okumu, **Oliver Vivian Wasonga** and Eshetu Yimer. **2015**. Pastoralism pays: new evidence from the Horn of Africa. IIED Briefing. Issue date, October 2015. <http://pubs.iied.org/17312IIED>.
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## **G. SELECTED PRESENTATIONS IN WORKSHOPS & CONFERENCES**

1. **Oliver Vivian Wasonga. 2020**. Drought-COVID-19 Interface: Insights for Post Pandemic Recovery in Pastoral Systems. The 7th WASAG Webinar on “Pandemics/Epidemics, Drought and Agriculture: Building back better”, organized the Global Framework on Water Scarcity in Agriculture (WASAG) working group on “Drought Preparedness at FAO Land and Water Division, in collaboration with Integrated Drought Management Programme (IDMP) and UNCCD Drought Initiative, on 10 July 2020, 15.00-16.30 CEST. <http://www.fao.org/land-water/news-archive/news-detail/en/c/1295477/>
2. **Oliver Vivian Wasonga. 2020**. Bio-Physical Dynamics and Pastoral Resilience Nexus in the Drylands of IGAD Region. Workshop on Strengthening Collaboration of Existing National Drought Resilience Research Institutions Network Pathways within the IGAD Region, held at Double Tree Hotel, Hilton, Nairobi on February 24-26th, 2020.
3. **Oliver Vivian Wasonga. 2020**. Dryland Research Priority Areas for Kenya. Workshop on Strengthening Collaboration of Existing National Drought Resilience Research Institutions Network Pathways within the IGAD Region, held at Double Tree Hotel, Hilton, Nairobi on February 24-26th, 2020.
4. Lutta I.A., **Wasonga V.O.**, Karanja R., Saalu F., Njiru J. **2020**. Workshop on Economics of Land Degradation, Kenya National Policy Workshop on March 10, 2020, held at Jacaranda Hotel Nairobi. Presented a paper on “Costs and Benefits of Sustainable Rangeland Management Practices in Northern Kenya. Co-funded by the European Union and the German Federal Ministry of Economic Cooperation and Development (BMZ) under “Reversing Land Degradation in Africa by Scaling-up EverGreen Agriculture” (Regreening Africa) project.
5. **Oliver Vivian Wasonga. 2019**. Natural Resource Management and Livelihoods in Drylands of Kenya. Regional Consultative Workshop on Applied Research on Integrated Natural Resources Management (NRM) Project Initiatives and Livelihood Diversification, December 17-19, 2019, Bishoftu, Ethiopia.
6. **Oliver Wasonga. 2019**. Regional Rangeland Management Strategic Framework for IGAD Region: Challenges, Opportunities and Suggested Interventions. Validation Workshop for Regional Rangeland Management Strategy held on 5 -6th August, 2019 at Bamburi Beach Hotel, Mombasa.
7. **Oliver Wasonga. 2019**. National Stakeholders Consultation Workshop on Rangeland and Pastoralism Strategy. Regional Rangeland Management Strategy: Challenges and Suggested Interventions in IGAD Region. Held at Bomen Hotel, Isiolo town on 26<sup>th</sup> – 27<sup>th</sup> Feb, 2019
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## **H. FUNDED JOINT RESEARCH PROJECTS**

1. **Drought Resilience In East African Dryland Regions (DRIER)**  
DRIER is a 3-year collaborative research project funded by the Royal Society and implemented by a consortium that include Bristol University, UK (Lead institution); University of Nairobi, Kenya; Addis Abba University, Ethiopia, among other collaborators. The project is concerned with near-future drought risk under climate change in East Africa (Kenya, Ethiopia and Somalia). Specifically, the project seeks to answer the following questions: i) what will be the impacts of climate change on soil moisture and groundwater? ii) How will different areas be affected? iii) What are the barriers to drought adaptation and uptake of information? DRIER project will develop new tools (including a mobile phone app) and data that will enable stakeholders and everyday people to access direct information on the state of the water balance in their local area under current and future rainfall conditions. Using these tools, the project team

will work with regional partners and stakeholders to develop strategies for media communication, information uptake, and decision-making for drought adaptation using uncertain data. The products and new understanding from this research have the potential to benefit millions of people in the region.

**Role:** Co-Investigator, University of Nairobi

**Project Duration:** January, 2020 – December, 2022

**2. Translation of climate information into multilevel decision support for social adaptation, policy development, and resilience to water scarcity in the Horn of Africa Drylands (DOWN2EARTH)**

DOWN2EARTH seeks to address the multi-faceted challenges of water scarcity and food insecurity under climate change in Horn of Africa Drylands, by facilitating community-centered adaptation and resilience to climate change impacts. It will use a multidisciplinary, inclusive approach, bringing together local communities, academic experts, novel decision-support tools, multi-level governance structures, regional climate centers, and NGOs. Specifically the project will: Assess the socio-economic dimensions and human dynamics of climate change in HAD including feedbacks between climatic shocks, human behavior, and policy implementation; Characterize and quantify historical trends and (future) projections of and interactions between water scarcity, food insecurity, population, land use, and the policy environment in HAD; Develop and enhance multi-level decision-support tools that emphasize the translation of climate information into critical land and water information required for near-term and long-term adaptation and resilience by communities, state/regional governments, NGOs, and humanitarian and development organizations; and Strengthen regional climate adaptation and resilience through capacity building, citizen science, information dissemination to improve multi-level decision making, expansion of data networks, and policy implementation. The project is funded by European Union under the Horizon 2020 programme. Partners include: Cardiff University (Lead institution), University of Bristol, Vrije Universiteit Amsterdam, University of Hohenheim, University of Nairobi, IGAD Climate Prediction and Applications Center (ICPAC), Ghent University, University of East Anglia, Food and Agriculture Organization-Somalia Water and Land Information System (FAO-SWALIM), Climate Analytics, BBC Media Action, Action Aid, Transparency Solutions, and Addis Ababa University.

**Role:** Co-Principal Investigator, University of Nairobi

**Project Duration:** January, 2020 – December, 2023

**3. Climate Resilient Development Pathways for Semi-Arid Regions of Africa and Asia (CRDP-SAR) Project**

The project itself will synthesise work that has been undertaken by Adaptation At Scale in Semi-Arid Regions (ASSAR) and Pathways to resilience in semi-arid economies (PRISE) projects funded by IDRC and DFID under the Collaborative Adaptation Research Initiative in Africa and Asia (CARIAA) consortium, with a view to understanding better the sorts of trajectories that are required for semi-arid regions to develop in a way that is climate resilient. The specific objectives of the project area to: 1) Synthesise a more generalised set of forward-looking findings from ASSAR, PRISE and relevant FCFA-funded projects (FRACTAL and AMMA-2050) concerning the risks and opportunities for SARs; 2) Analyse national development priorities for SARs and the extent to which the dynamics articulated in Objective 1 are compatible with existing development plans and what alternative pathways might deliver more climate-resilient futures; 3) Work with selected national and regional decision-makers in 2 - 3 case study countries on a specific policy area or sector and seek to reorient the planned development pathway to one which is more climate resilient and equitable. The collaboration is led by University of East Anglia in UK, and includes University of Nairobi, University of Cape Town, University of Namibia, Indian Institute for Human Settlements, Overseas Development Institute, UK, Kenya Market Trust.

**Role:** Co-Investigator, University of Nairobi

**Project Duration:** January, 2020 – November, 2021

**4. International Virtual Course (IVC): Tackling Climate Change through Global Learning**

The IVC is a Mercator Foundation Switzerland –funded 5-year project (2021 to 2025), led by Zurich University of Applied Sciences (ZHAW), Switzerland in collaboration with the Universidade Federal de Grande Dourados (UFGD), Brazil; University of Agricultural Sciences Bangalore (UASB), India; and the Department of Land Resource Management & Agricultural Technology, University of Nairobi (UoN). The

course takes four (4) weeks, and is organized into four (4) phases that include: Understanding Climate Change in our Environment; Virtual Classroom; Virtual Teamwork; and Reflections by Participants. Each partner University recruits at least 10 students each year to participate in the course. The students are located in their home Universities throughout the entire course.

**Role:** Coordinator, University of Nairobi

**Project Duration:** October, 2021 – March, 2025

#### **5. Socially Inclusive Adaptation Knowledge for Resilient Livelihoods in Northern Kenya**

The project aims to support pastoralists and agro-pastoralists to use transformative and socially inclusive adaptation knowledge to build the resilience of their livelihoods and landscapes in northern Kenya. The specific objectives of the project are to: develop a social inclusive multi-stakeholder system for knowledge integration and exchange for adaptation and timely decision making; reduce barriers to the flow and integration of adaptation knowledge from different sources; and identify and empower women and youth networks with knowledge, skills and confidence to effectively articulate their adaptation needs.

**Role:** Co-Investigator, University of Nairobi

**Project Duration:** January, 2020 – August, 2021

#### **6. Economic Valuation of Sustainable Rangeland Management Practices in Northern Kenya (SURAMA)**

SURAMA is a one and half year collaborative project under the Economics of Land Degradation (ELD) initiative, which was established in 2011 by the German Federal Ministry for Economic Cooperation and Development (BMZ), the UN Convention to Combat Desertification (UNCCD) and the European Commission (EC). ELD is supported under the “*Reversing Land Degradation in Africa through Scaling-up EverGreen Agriculture*” in Kenya project, which is co-funded by BMZ and EC. The Initiative quantifies the costs of land degradation and sets out a universal approach for quantifying the economic benefits of SLM, providing answers to vital questions. These include: How high are the social and economic costs of land degradation? What are the short- and long-term benefits of applicable SLM approaches? What actions are needed to address the problem of land degradation effectively and efficiently, and what specific measures need to be implemented? The ELD Initiative highlights the value of SLM and provides an approach for analysis of the economics of land degradation. It helps decision makers better understand the overall costs and benefits when implementing policies and actions dealing with land, making economics of land management an integral part of policy strategies and decision making by increasing the political and public awareness of the costs and benefits of land and land-based ecosystems. SURAMA project includes University of Nairobi, Stockholm Environment Institute; Laikipia University; and Jomo Kenyatta University of Agriculture and Technology.

**Role:** Principal Investigator/Team Leader

**Project Duration:** July, 2018 – December, 2019

#### **7. Adaptation at Scale in Semi-Arid Regions (ASSAR)**

Adaptation at Scale in Semi-Arid Regions (ASSAR) is 5-year (May 2014 –November, 2018) consortium funded by IDRC and DFID. The consortium is led by the University of Cape Town and covers Eastern Africa, Western Africa, Southern Africa, and Central Asia (India). ASSAR’s overarching objective is to deepen understanding of climate vulnerability and adaptation in semi-arid regions, and help transform current adaptation practice to a mode that achieves proactive, widespread adaptation embedded in development activities at multiple governance scales, to advance adaptive livelihoods for vulnerable groups. Specific objectives are to: (i) undertake high-quality, transdisciplinary research to generate new knowledge on vulnerability and adaptation; (ii) develop and trial relevant actionable strategies for adaptation; (iii) drive innovative communication approaches for knowledge sharing; and (iv) enable systemic capacity strengthening for adaptation in research, policy and practice.

**Role:** Co-Researcher

**Project Duration:** May, 2014 – November, 2018

**8. Fodder Production for Enhanced Pastoral and Agro-Pastoral Resilience in the Drylands of Kenya (PREPARED)**

Funded via sixth call for proposals under the graduate research grants (GRG). The objectives of the project are to: i) assess the current fodder production practices and pastoral/agro-pastoral community perceptions on fodder production and marketing in Makeni County of Kenya; ii) assess local knowledge on the indigenous grass species, their spatial distribution and trends over the last 40 years; iii) analyze the fodder value chain to determine actors and market linkages, and determine the profitability, functionality and efficiency of the value chain in the study area; iv) determine factors that influence households' participation in fodder production in the study area; v) determine strategies that enhance the producers' prices and efficiency along the fodder value chain in the study area; and vi) identify lessons and opportunities that can be used to build strong community institutions to sustain the fodder value chain in Kenya's drylands. The project is supporting two MSc students registered at Faculty of Agriculture, University of Nairobi.

**Role:** Principal investigator

**Project Duration:** July, 2015 - April, 2018

**9. Foundations for climate resilient and sustainable growing settlements (U-RES)**

U-RES primary aim is to establish a community of trans-disciplinary experts (beyond academia) working together to provide the underpinning knowledge needed to support the transition from burgeoning settlements to resilient and sustainable cities and megacities in the face of a changing climate in Africa. It is a research consortium funded by the Natural Environment Research Council (NERC) through the Global Challenges Research Fund (GCRF). U-RES is led by University of East Anglia in UK and includes University of Nairobi; University of Newcastle, UK; Kwa Zulu Natal University, South Africa; OXFAM GB, UK; and Asian Institute of Technology in Thailand. The specific objectives of the project are to: Identify the most promising locations to nurture resilient cities, given current knowledge about past hazards from archaeological evidence, current urbanisation trends, and future climate risks; review the development and governance approaches in cities that have specifically tried to address the needs of the marginalised, and generate and share insights on processes through which urban governance processes could be improved and; identify information flows at the very early stages of urbanisation, including for marginalised groups, and the op+

portunities to influence urban development. The project aims to produce a 5-year international research and engagement plan focusing on better understanding the intervention points at the early stages of urbanization and the needs of marginalised communities.

**Role:** Co-investigator

**Project Duration:** January, 2017 – March, 2018

**10. Reduction of Post-Harvest Losses and Value Addition in East African Food Value Chains (RELOAD)**

RELOAD is a 5-year (June 2013 – 2018) collaborative trans-disciplinary project funded by the German Federal Ministry of Education and Research (BMBF). The project brings together a consortium of partners in Germany, Kenya, Ethiopia and Uganda and is led by the Institute for Agricultural Engineering at the University of Kassel in Germany. In Kenya, one focus of RELOAD is on pastoral meat value chains. The high losses along the pastoral meat value chain include animal weight loss prior to slaughter, wastage of animal products and by-products, losses in quality of meat products and economic losses due to low profit margins for the producers. The project is funding four (4) PhD research studies to analyze different possibilities to reduce losses and increase efficiency along the pastoral meat value chains. These studies are jointly implemented by the University of Nairobi, National Museums of Kenya and the German Institute for Tropical and Sub-Tropical Agriculture (DITSL) at the University of Kassel in Germany. The PhD candidates are registered at the University of Nairobi and University of Kassel ([www.ditsl.org](http://www.ditsl.org))

**Role:** Principal investigator for sub-project 6, workpackages 4 (Stratified livestock production systems) & workpackage 5 (Livestock marketing associations).

**Project Duration:** June, 2013 – December, 2018

## **11. Re-Packing Indigenous Knowledge to Inform Policy, Development and Pastoral Community**

### **Action in Kenya (PIK)**

PIK is a 17 months project funded by the Christensen Fund. The project is implemented by the University of Nairobi in partnership with a community-based organization, Resource Advocacy Programme (RAP) based in Isiolo County. It covers Marsabit, Samburu and Isiolo Counties and seeks to review indigenous knowledge (IK) of pastoralists in northern Kenya with the view of increasing its awareness, understanding and use both at community and decision makers' levels. The awareness creation is expected to restore confidence of the new generation in IK, as well as promote formulation of policies that recognize IK. All these are expected to attach value to IK as an important resource in conserving biological and cultural diversity and therefore encourage the recognition of principles of intellectual property to ensure the proper protection and use of indigenous traditional knowledge and products derived from it.

**Role:** Principal Investigator

**Project Duration:** July, 2016 – April, 2018

## **12. Assessing the Total Economic Value of Pastoralism in Isiolo County, Kenya**

A 3-year collaborative research co-funded by CORDAID and DFID and led by the Institute for Environment and Development (IIED). The objective of the project is to generate scientific evidence and build the capacity of pastoral citizens and their advocates to make the argument that pastoralism is central to the future development of the drylands in Kenya while strengthening the ability of decision-makers to review and reform policy in the light of these arguments. The consortium includes the University of Nairobi through the Department of LARMAT; Adaptation Consortium at the National Drought Management Authority; IIED; Isiolo County government institutions; the Resource Advocacy Programme (RAP); among other local civil society groups and relevant NGOs. The project is supporting four (4) postgraduate research studies registered in the Department of LARMAT.

**Role:** Principal investigator

**Project Duration:** April, 2013- August, 2016

## **13. Grants for Local Adaptation Support to facilitate Peer-to-Peer Learning on Climate Change Adaptation Among Pastoral communities in Kenya**

Grants for Local Adaptation Support (ASSAR-GLAS) is a competitive small grant awarded by Global System Change for Analysis Research and Training (START), on behalf of the Collaborative Adaptation Research Initiative in Africa and Asia (CARIAA) and the Adaptation at Scale in Semi-Arid Regions (ASSAR) Project. This grant is in recognition of the need to go beyond academic capacity building within ASSAR to do more to strengthen the capacities of those living and working in the ASSAR study sites. The GLAS is intended to draw from findings of on-going ASSAR research to support the most vulnerable groups in each region on overcoming top barriers to and supporting enablers of their adaptation. The GLAS award for the East African ASSAR research team will be particularly used to facilitate peer-to-peer learning among pastoral communities on various climate change adaptation options, among others, diversification of pastoral herds to embrace more drought tolerant species such as camels in Isiolo County; pasture production and reservation in Kajiado and Makueni Counties; and customary natural resource management in Isiolo County.

**Role:** Principal Investigator

**Project Duration:** January – June, 2018

### **I. WORKSHOPS & CONFERENCES ATTENDED**

**October 25 -29, 2021:** Joint International Grassland & International Rangeland Kenya 2021 Virtual Congress (Joint XXIV IGC and XI IRC 2021). Hosted by Kenya, Bamburi Beach Hotel.  
<http://2021kenya-igc-irc.rangelandcongress.org/>

**October 11-15<sup>th</sup>, 2021:** Sensitization & Stake-holder Engagement workshop of Down2Earth Project Partners held at El-Moran Hotel, Isiolo.

**February 17, 2021:** 57<sup>th</sup> Greater Horn of Africa Climate Outlook Forum (GHACOF) Virtual Workshop organized by IGAD Climate Prediction and Application Centre (ICPAC).  
<https://www.icpac.net/ghacof-57/>

- July 10, 2020:** The 7th WASAG Webinar on “Pandemics/Epidemics, Drought and Agriculture: Building back better”, organized the Global Framework on Water Scarcity in Agriculture (WASAG) working group on “Drought Preparedness at FAO Land and Water Division, in collaboration with Integrated Drought Management Programme (IDMP) and UNCCD Drought Initiative, on 10 July 2020, 15.00-16.30 CEST. <http://www.fao.org/land-water/news-archive/news-detail/en/c/1295477/>
- March 10, 2020:** Workshop on Economics of Land Degradation, Kenya National Policy Workshop held at Jacaranda Hotel Nairobi. Co-funded by the European Union and the German Federal Ministry of Economic Cooperation and Development (BMZ) under “Reversing Land Degradation in Africa by Scaling-up EverGreen Agriculture” (Regreening Africa) project.
- February 24-26th, 2020:** Workshop on Strengthening Collaboration of Existing National Drought Resilience Research Institutions Network Pathways within the IGAD Region. Held at Double Tree Hotel, Hilton, Nairobi.
- December 17-19, 2019:** Regional Consultative Workshop on Applied Research on Integrated Natural Resources Management (NRM) Project Initiatives and Livelihood Diversification held in Bishoftu, Ethiopia. Funded by GIZ through IGAD. Presented a paper on “Integrated Natural Resource Management and Dryland Livelihoods in Kenya”.
- October 22nd to 24th, 2019:** AGRO 2019 Conference and Exhibition held at the University of Nairobi’s Upper Kabete Campus, College of Agriculture and Veterinary Sciences, Nairobi, Kenya.
- August 1 and 2, 2019:** Mainstreaming Climate Risk Management into County Planning in Kenya. Training Workshop for Staff of Siaya & Narok Counties at Acacia Premier Hotel, Kisumu. Funded by The World Bank through Devolution and Locally-Led Climate Change and Disaster Management Project at AdaConsortium, National Drought Management Authority.
- July 29 and 30, 2019:** Mainstreaming Climate Risk Management into County Planning in Kenya. Training Workshop for Staff of Makueni and Kwale Counties in Diani at Swahili Beach Hotel, Diani. Funded by The World Bank through Devolution and Locally-Led Climate Change and Disaster Management Project at AdaConsortium, National Drought Management Authority.
- August 5 -6, 2019:** Validation of Regional Rangeland Management Strategic Framework for IGAD Region held on 5 -6th August, 2019 at Bamburi Beach Hotel, Mombasa.
- February 25 – March 02, 2019:** National Stakeholders Consultation Workshop on Rangeland and Pastoralism Strategy held at Bomen Hotel, Isiolo town  
**Sponsor:** IGAD Center for Pastoral Areas and Livestock Development (ICPALD), Regional Pastoral Livelihoods Resilience Project
- December 3 – 5, 2018:** GlobE Pan-African Conference held at Sawela Lodges in Naivasha  
**Sponsor:** German Ministry for Education and Research (BMBF) and the German Ministry for Economic Cooperation and Development (BMZ).
- November 28, 2018:** Workshop on “Securing rangelands through development and strengthening of Rangelands policy and institutions” in Africa held in Nairobi, and organized by Resource Conflict Institute (RECONCILE), International Land Alliance through Rangelands Initiative in collaboration with Swiss Development Corporation.  
**Sponsor:** Resource Conflict Institute (RECONCILE).
- July 12<sup>th</sup> – 17<sup>th</sup>, 2018:** Adaptation at Scale in Semi-Arid Regions (ASSAR) Annual Workshop at Franschoek Hotel & Spa, Cape Town Between June 12<sup>th</sup> & 17<sup>th</sup>, 2018
- September 20th – 22, 2017:** The Tropentag 2017: International Conference on Research on Food Security, Natural Resource Management and Rural Development: Future Agriculture: Socio-Ecological Transitions and Bio-cultural shifts at University of Bonn, Germany.  
**Sponsor:** The German Academic Exchange Service (DAAD), GrassNet Programme. ([www.tropentag.de](http://www.tropentag.de)).
- September 18- 19, 2017:** Annual workshop for the “Reduction of Post-Harvest Losses and Value Addition in East African Food Value Chains” (RELOAD) project at University of



- Kassel, Witzenhausen, Germany. **Sponsor:** The German Federal Ministry of Education and Research (BMBF).
- April 9 - 12, 2017:** Stakeholders Training Workshop on Cattle Fattening as a Way of Adding Value to Lean Animals from the Drylands of Kenya Held at ACK Guest House in Kajiado. **Sponsor:** The German Federal Ministry of Education and Research (BMBF).
- February 14, 2017:** ASSAR National Stakeholders Workshops held at Heron Portico Hotel, Nairobi, Kenya. **Sponsor:** DFID.
- February 21, 2017:** ASSAR Local Stakeholders Workshops held at Moti Pearl Hotel in Isiolo, Kenya. **Sponsor:** DFID.
- November 10- 15, 2016:** Annual workshop for the “Reduction of Post-Harvest Losses and Value Addition in East African Food Value Chains” (RELOAD) project at Mukono, Uganda. **Sponsor:** The German Federal Ministry of Education and Research (BMBF).
- October 14- 22, 2016:** Fifth RUFORUM Biennial Conference African Higher Education Week and RUFORUM Biennial Conference held between 14<sup>th</sup> and 22<sup>nd</sup> October, 2016 at the Century City in Cape Town, South Africa. **Sponsor:** The Regional Capacity Building in Agriculture (RUFORUM)
- Aug. 11th – 12th, 2015:** First Annual Rangelands Congress 2015 held between 11th and 12th of August 2015 at the KCB Leadership Center Karen, Nairobi, Kenya. **Sponsor:** Rangelands Association of Kenya, African conservation Centre, International Livestock Research Institute and University of Nairobi Center for Sustainable Drylands Ecosystems and Societies.
- July 28th – 29th, 2015:** National stakeholder workshop to validate the report on "Investing in healthy rangelands in a devolved Kenya" held at Boma-Inn Hotel South-C on 28-29 July 2015. **Sponsor:** IUCN
- February 10th, 2015:** Stakeholders Meeting on “Geospatial Mapping of Rangelands” held at the International Union for Conservation (IUCN) Nairobi office on Tuesday 10<sup>th</sup> February, 2015. **Sponsor:** IUCN.
- Aug. 24th – 25th, 2015:** The Intervention Strategy Workshop (ISW)/Collaborative Resilience Innovation (CRID) Workshop on Internal Displacement in Somalia, 24 – 28 August 2015 held at Crowne Plaza, Nairobi, Kenya. **Sponsor:** Resilience Africa Network (RAN) at Makerere University in Uganda and Horn of Africa Resilience Innovation Lab (RILAB).
- August 6th, 2015:** Workshop on the profile and dynamics of the natural resource based economy of Isiolo County organized by International Institute for Environment and Development (IIED) and Resource Advocacy Programme (RAP) and County Government of Isiolo on 6<sup>th</sup> August 2015. **Sponsor:** IIED
- Dec. 10th – 11th, 2014:** Consultative Workshop: Learning Needs Assessment to Support Capacity Development for Resilience Analysis and Policy Processes in the Context of Food Security-Organized by Intergovernmental Authority for Development (IGAD). **Sponsor:** United Nations Development Program, Global Policy Centre
- Sept. 21<sup>st</sup> – Oct. 4<sup>th</sup>, 2014:** Annual workshop for the “Reduction of Post-Harvest Losses and Value Addition in East African Food Value Chains” (RELOAD) project at University of Kassel, Witzenhausen, Germany. **Sponsor:** The German Federal Ministry of Education and Research (BMBF).
- July 17<sup>th</sup>, 2014:** Launching Workshop for the IGAD funded “Enhancing resilience of livestock-based livelihoods in Northern Kenya” project at the Desmond Tutu Conference Center, AACC Westlands.
- October 06th – 11th, 2013:** Launching workshop for RELOAD: Reduction of Post-Harvest Losses and Value Addition in East African Food Value Chains at Jimma University in Ethiopia. **Sponsor:** The German Federal Ministry of Education and Research (BMBF).
- September 17th – 19, 2013:** The Tropentag 2013: International workshop on agricultural development and the urban-rural continuum at University of Hohenheim, Institute for Plant

- Production and Agro-ecology of the Tropics and Subtropics, Stuttgart, Germany. **Sponsor:** The German Academic Exchange Service (DAAD), GrassNet Programme. ([www.tropentag.de](http://www.tropentag.de)).
- February 13th – 15th, 2013:** The 4th Africa Regional Platform for Disaster Risk Reduction: “Reducing Drought Risk In Africa – Measuring Impact, strategizing for the Future” at Ngurdoto Lodge, Arusha, Tanzania ([www.unisdr.org/we/inform/events/30143](http://www.unisdr.org/we/inform/events/30143)). **Sponsor:** UNDP Dryland Development Centre, United Nations Office for Disaster Risk Reduction and Humanitarian Aid and Civil Protection
- February 11th – 12th, 2013:** The 5th Africa Drought Adaptation Forum at Ngurdoto Lodge, Arusha, Tanzania ([www.unisdr.org/files/30143\\_annex9resultsofthe5thadaf.pdf](http://www.unisdr.org/files/30143_annex9resultsofthe5thadaf.pdf)). **Sponsor:** UNDP Dryland Development Centre, United Nations Office for Disaster Risk Reduction and Humanitarian Aid and Civil Protection
- February 8th – 9th, 2013:** Mobility, hybridity and the way to co-existence: Restructuring of daily life in rural and urban African societies at the Japan Society for the promotion of science (JSPS), Nairobi research station  
**Sponsor:** The JSPS, Nairobi
- February 29 - March 1st, 2013:** Training workshop on the Total Economic Valuation Methodology for Pastoralism at Solote Hotel, Addis Ababa, Ethiopia: **Sponsor:** IIED/DFID
- December 4th – 5th, 2012:** Holistic Natural Resource Management Training Workshop in Laikipia, Kenya. **Sponsor:** The United Nations Food and Agriculture Organization (FAO)
- November 30th, 2012:** Environmental Impact Assessment/Environmental Audit Training Institutions Workshop at Kenyatta International Conference Centre, Nairobi. **Sponsor:** The National Environment Management Authority (NEMA)
- September 18th – 21st, 2012:** The Tropentag 2012: International workshop on food security, natural resource management and rural development at Gottingen University, Germany ([www.tropentag.de](http://www.tropentag.de)). **Sponsor:** The German Academic Exchange Service (DAAD), GrassNet Programme
- October 5th – 7th, 2011:** The Tropentag 2011: International workshop on “development on the Margin” at University of Bonn, Germany ([www.tropentag.de](http://www.tropentag.de)). **Sponsor:** The German Academic Exchange Service (DAAD), GrassNet Programme
- June 27th – July 1st, 2010:** Forum on Education, Capacity Building and Climate Change at the White Sands Hotel, Dar es Salaam, Tanzania. **Sponsor:** The Global Change System for Analysis, Research and Training (START).  
[start.org/download/2013/forum-strategy.pdf](http://start.org/download/2013/forum-strategy.pdf) ([start.org/download/2010/forum-participants-6.24.10.pdf](http://start.org/download/2010/forum-participants-6.24.10.pdf))
- December 7th – 18th, 2009:** The 15th United Nations Framework Convention on Climate Change (UNFCCC) Conference of Parties (COP 15) at the Bella Conference Centre, Copenhagen, Denmark. **Sponsor:** The Open Society Institute (OSI) through International Institute for Environment and Development (IIED)
- May 22nd – 23rd, 2009:** Conference on Energy, Gender and Environment at the AMREF International Training Centre, Nairobi, Kenya. **Sponsor:** Eastern Africa Environmental Network (EAEN)
- June 12th – 13th, 2008:** Scoping Workshop on Climate Change and Policy Making in Agriculture and Natural Resource Management in East Africa, Nairobi Safari Club. **Sponsor:** Wageningen University and Research Centre; ASARECA and IUCN
- May 23rd – 24th, 2008:** Environmental concerns of Climate Change with respect to Sustainable Livelihoods in Eastern Africa at the AMREF International Training Centre, Nairobi, Kenya. **Sponsor:** Eastern Africa Environmental Network (EAEN)

## J. TEACHING

### **Postgraduate Courses**

1. ADR 703: Dryland Livelihoods (45 hours)
2. ADR 719: Environmental and Social Impact Assessment (45 hours)
3. ARM 503: Range Management in Pastoral Societies (45 hours)
4. ARM 506: Desertification and Rangeland Rehabilitation (45 hours)
5. ARM 510/ALM 606: Range Project Planning & Implementation/Environmental Project Planning & Implementation (45 hours)

### **Undergraduate Courses**

1. ARM 102/AEM 102: Range Ecology I/Agro-ecology I (45 hours)
2. ARM 202/AEM 203: Range Ecology II/Agro-Ecology II (45 hours)
3. ARM 305: Methods of Rangeland Analysis (45 hours)
4. ARM/AEM 408: Environmental and Social Impact Assessment (45 hours)

## K. THESIS SUPERVISION

### **Completed PhD**

1. **2015- 2021:** **Richard Osaliya.** Impacts of Land Use and Climate Change on Surface Water Resources in a Semi-Arid Environment: The Case of L'Okok Catchment – Uganda (PhD student registered at the University of Nairobi)  
**Co-Supervisors: Prof. Geoffrey Kironchi and Prof. Majaliwa Mwanjololo**
2. **2016 – 2020:** **Ahmed Mohamed Musa.** Analysis of the Effects of Institutional, Environmental and Governance Changes on Livestock Trade in Berbera Corridor of Somaliland. (PhD student registered at the University of Nairobi).  
**Co-Supervisors: Dr. Oscar Koech, Prof. Tobias Hagmann and Prof. Nathem Mtimet**
3. **2015- 2020:** **Bulle Dabasso.** Contribution of stratified livestock production and marketing system in reduction of losses in the pastoral livestock value chain in Kenya (PhD student registered at the University of Nairobi).  
**Co-Supervisors: Prof. Brigitte Kaufmann and Dr. Patrick Irungu**
4. **2015- 2020:** **Raphael Lotira.** Assessing the potential of pastoral livestock marketing groups to reduce losses in the pastoral livestock value chain in Kenya (PhD student registered at the University of Nairobi).  
**Co-Supervisors: Prof. Brigitte Kaufmann and Dr. David Jakinda**
5. **2013 – 2017:** **Joseph Ssekandi.** Effects of land evictions on ecological and livelihood systems in Uganda's drylands: The case of oil-rich Buliisa District. (PhD student registered at the University of Nairobi).  
**Co-Supervisors: Dr. Laban MacOpiyo and Dr. John Mburu**
6. **2014 – 2017:** **Muhammad Sabiu Suleiman.** Determinants of the Non-Timber Forest Resources Conservation of the Falgore Game Reserve Kano, Nigeria (PhD student registered at the University of Nairobi).  
**Co-Supervisors: Dr. Judith Mbau and Prof. Aminu Suleiman**
7. **2011 – 2016:** **Michael Elias.** Impacts of land conversion on carbon stocks in Borena Rangelands of southern Ethiopia (PhD student registered at University of Kassel, Germany, funded by DAAD-GrassNet project)  
**Co-Supervisors: Prof. Oliver Henzel, Dr. Christian Huelsebusch, Dr. Uwe Ritcher and Brigitte Kaufmann**
8. **2011-2014: Opiyo, F. Omondi.** Influence of climate variability on vulnerability and adaptation Strategies among Turkana Pastoralists of North-western Kenya (PhD student registered at the University of Nairobi, Department of LARMAT, funded by START international).  
**Co-Supervisors: Prof. Moses M. Nyangito**
9. **2011 -2014:** **Yazan A.M. Elhadi.** Assessing the potential of camel milk production as an Adaptation to Climatic Variability in the Drylands of Kenya (PhD obtained from the University of Nairobi, Department of LARMAT, funded by RUFORUM).

**Co-Supervisors: Prof. Dickson M. Nyariki**

10. **2012- 2015:** **Richard Kavila Kyuma.** Assessing the potential of *Prosopis juliflora* productivity as alternative animal feed and carbon storage in the climate variability prone drylands of Magadi, Kenya (PhD student registered at the University of Nairobi)

**Co-Supervisors: Prof. Raphael Wahome and Dr. Josiah Kinama**

11. **2012 – 2015:** **Fikir Alemayehu.** Impacts of land use change on shoreline erosion and mangrove dynamics: A case study of Watamu-Mida creek in Kenya (PhD student registered at the University of Nairobi, Department of LARMAT)

**Co-Supervisors: Dr. Richard Onwonga and Dr. James Mwangi**

**Completed MSc**

1. **2018 – 2021:** Sharon Teyie. Analysis of Charcoal Value Chain in the Drylands of Central Pokot Sub County Kenya. **Co-Supervisors: Prof. Christoph Biegmann**
2. **2018 – 2021:** **Nyaga Margeret Ngithi.** Assessment of Woody Species Diversity in Rusinga Island, Homa Bay County, Kenya. **Co-Supervisors: Dr. Stephen Mureithi**
3. **2015 – 2018:** **Hannah Naykio Kamau.** Evaluation of Indigenous Grass Species Suitability for Rehabilitation of Degraded Semi-Arid Rangeland in Suswa, Kenya. **Co-Supervisors: Dr. Oscar Koech and Dr. Stephen Mureithi**
4. **2015 – 2017:** **Erick Omollo.** Analysis of Fodder Production and Marketing in the Southern Rangelands of Kenya. **Co-Supervisors: Dr. Yazan Elhadi & Dr. William Mnene**
5. **2013 -2015:** **Maunguja Bakari Ahmed.** Use Value Indices of Threatened Endemic Plants in Arabuko Sokoke Forest Kilifi County, Kenya (MSc. student registered at the University of Nairobi). **Co-Supervisors: Dr. Meckizedeck Osore**
6. **2013 – 2015:** **Kimili K. Sakimba.** Longitudinal changes in Amboseli ecosystem: An integrated analysis using remote sensing techniques and local perceptions (MSc. student registered at the University of Nairobi). **Co-Supervisors: Dr. David Western**
7. **2014 – 2017:** **Priscilla Lalampa.** Bunched Grazing in Rangelands in Laikipia: Impacts on Animal Use and Productivity. **Co-Supervisors: Prof. Jesse T. Njoka and Prof. Daniel Rubenstein**
8. **2014 -2015:** **John N. Wairore.** Impact of Management Regimes on Enclosure Rehabilitation in Chepareria, West Pokot County, Kenya (MSc. student registered at the University of Nairobi). **Co-Supervisors: Dr. Stephen Mureithi and Prof. G. Nyberg**
9. **2014-2015: Lutta Alphayo.** Assessing Carbon Stocks and Herbage Productivity and Diversity under Different Grazing Regimes in Semi-Arid Rangelands of Northern Kenya (MSc. student registered at the University of Nairobi). **Co-Supervisors: Prof. Kinuthia Ngugi and Dr. Wilfred Odadi**
10. **2013 -2015:** **Okomboli Klerkson Lugusa.** Assessing the existing fodder value chain as a complementary source of pastoral livelihood in Tana River County (MSc. student registered at the University of Nairobi). **Co-Supervisors: Prof. Todd Crane and Dr. Yazan Elhadi**
11. **2011-2013: Henry Komu Mwaka.** Pastoral community learning on natural resource conservation and governance: A case of Il Ngwesi conservancy in Laikipia County, Kenya MSc obtained from the University of Nairobi, funded by UoN). **Co-Supervisors: Prof. Jesse T. Njoka**
12. **2011-2013: Mwanaima Rhajab.** Utilization and conservation status of wild edible plants in pastoral areas of Kajiado County, Kenya (MSc obtained from University of Kassel, Germany, funded by DAAD-GrassNet project). **Co-Supervisors: Prof. Brigitte Kaufmann**
13. **2011 -2013:** **Jie Zhang.** Assessing socio-economic potential of wild medicinal plants and their threats as a basis for their conservation for enhanced pastoral livelihoods in Kajiado County, Kenya (MSc obtained from University of Kassel, Germany, funded by DAAD-GrassNet project). **Co-Supervisors: Prof. Brigitte Kaufmann**
14. **2010 – 2011:** **Ning Huang.** Impacts of grazing on belowground net primary productivity in Songnen Plain, China (MSc obtained from University of Kassel, Germany, funded by DAAD-GrassNet project). **Co-Supervisors: Prof. Brigitte Kaufmann**
15. **2008 -2010: Yazan A.M. Elhadi.** Links between seasonal climatic variability and poverty: A case study of pastoral and agro-pastoral communities in Baringo District, Kenya (MSc obtained from the University of Nairobi, funded by RUFORUM). **Co-Supervisors: Prof. Dickson M. Nyariki**

### **On-going PhD:**

1. **2017 – 2020:** **Kisambo, Bosco Kidake.** Effects of grazing management and drought stress on productivity of *Cenchrus ciliaris* and *D. macroblephara* ecotypes and soil carbon in South Eastern Kenya  
**Co-Supervisors: Dr. Oscar Koech**
2. **2017 – 2020:** **Geoffrey Lenyayon Lelenguyah.** Impacts of Climate variability and Herd Mobility on livestock disease control in Samburu Rangelands, Kenya  
**Co-Supervisors: Prof. Moses Nyangito**
3. **2017 – 2020:** **Olila Dennis Opiyo.** Economic Analysis of the effect of climate Variability and Urbanization on Households' Livelihood Resilience in drylands of Machakos County, Kenya  
**Co-Supervisors: Dr. David Jakinda**
4. **2017 – 2020:** **Haileselassie Ghebremariam Araya.** Analysis of the ecological and socioeconomic impacts of range exclosures in Tanqua Abergelle Woreda, Tigray province, Ethiopia  
**Co-Supervisors: Prof. Geoffrey Kironchi**
5. **2016 – 2019:** **Lutta Alphayo.** Valuation of the Impacts of Rangeland Management Practices in Pastoral Systems  
**Co-Supervisors: Prof. Lance Robinson & Prof. Moses Nyangito**
6. **2016 – 2019:** **Ng'asike Philemon Ong'ao.** Analysis of Governance in Cross-Border Livestock Trade Flows between Kenya and Somalia  
**Co-Supervisors: Prof. Jesse Njoka, Dr. Paul Githiga and Prof. Tobias Hagmann**
7. **2012- 2015:** **Nicholas M. Syano.** Ecological and Socioeconomic Evaluation of Dryland Agroforestry Systems for Adoption in Eastern Kenya (PhD student registered at the University of Nairobi)  
**Co-Supervisors: Prof. Moses M. Nyangito**

### **On-going MSc:**

1. **2017 – 2019:** **Samuel Enock Wekesa.** Analysis of Land Use and Land Cover Change and Perceptions of the Community on Permaculture in Rusinga Island, Homa Bay County  
**Co-Supervisors: Dr. Stephen Mureithi**
2. **2017 – 2019:** **Wako Maliti Yusuf.** Analysis of Shifts in Livelihoods among the Pastoral Households in Urban and Peri-Urban Areas of Isiolo Town, Northern Kenya  
**Co-Supervisors: Dr. Oscar Koech**
3. **2015 – 2017:** **Patricia Luiza Ndungu.** Evaluation of Biomass Yield and Nutritional Quality of Selected Ecotypes of Indigenous Grass Species in Semi-Arid Makueni County, Kenya  
**Co-Supervisors: Dr. William Mnene; Dr. Oscar Koech; & Dr. Yazan Elhadi**
4. **2016 – 2018:** **Fredrick Otieno Ochieng.** Effects of Charcoal Production on Vegetation and Soil Properties in Central Pokot Sub-County, Kenya  
**Co-Supervisor: Prof. Geoffrey Kironchi**
5. **2014 – 2017:** **Piranto Ole Mosiany.** Extent of *Optuntia* species invasion and its impacts of on forage production in the drylands of Laikipia County.  
**Co-Supervisors: Prof. Jesse T. Njoka and Dr. Judith Mbau**
6. **2013 – 2016:** **Caroline Genga.** Assessing Factors Contributing to Indigenous Ecological Knowledge (IEK) Loss and Implications to Adaptive Capacity of Samburu Pastoral System  
**Co-Supervisor: Prof. Moses Nyangito**

### **L. RECENTLY EXAMINED THESES**

1. **Trinity Senda. 2021.** An Ex-Ante Assessment of the Socio-Ecological Implications of Communal Land Certification in Pastoral Areas of The Borana Zone in Southern Ethiopia (PhD candidate Registered at the University of Nairobi)
2. **Sherril Phyllis Masudi. 2021.** Effects of Domestic and Wild Herbivores on Vegetation Response to Controlled Burning in an East African Savanna (MSC. candidate Registered at the University of Nairobi)

3. **Jan van der Lee. 2020.** "Understanding dairy commercialization evolving market linkages, transition and resilience of dairy farming in the East African highlands" (PhD candidate Registered at the Wageningen University, Netherlands).
4. **Justin Okwir. 2019.** "Coping and Adaptation Strategies to Climate Change Drought Effects by Agro-Pastoralist and Smallholder Farmers in Kaabong District, Uganda"(MSc candidate Registered at the University of Nairobi, Institute for Climate Change and Adaptation (ICCA)).
5. **Peter Musyoka Kithuka. 2019.** "Impacts of Livestock Diseases on Incomes/Livelihoods in Kyuso Sub-County of Kitui County". (MSc. Student Registered at South Eastern Kenya University).
6. **Mary Wanjiru Warui. 2018.** Analysis of conditions for potential geographical indication labelling of Kenya honeys: Quality traits, pollination service and actors' initiatives (PhD candidate Registered at the University of Nairobi).
7. **Ambrose Buyinza Wabwire. 2018.** "Seasonal Variability of Herbage Biomass Resources for Grazers in Karamoja Sub-region" (MSc. Candidate Registered at Makerere University)
8. **Mwasi Gladwell Mwemba. 2018.** "The Contribution of Livestock to the Livelihoods of Urban and Peri-Urban Residents in Nairobi County" (MSc candidate Registered at the University of Nairobi)
9. **Sarah Akello. 2017.**"Restoration of Degraded Watershed: The Case of Awoja, Eastern Uganda" (PhD. Candidate Registered at Makerere University)
10. **Daniel Onyango Ouma. 2017.** Socio-Economic Analysis of Factors Influencing Pastoral Livelihoods and Food Security Among Turkana Pastoralists of Northern Kenya (MSc candidate Registered at the University of Nairobi)
11. **Damalie Akwango. 2017.**"Determinants of an Effective Drought Early Warning System in Semi-Arid Areas of Uganda" (PhD. Candidate Registered at Makerere University)
12. **Ayodotun Oluwafemi Bobadoye. 2016.** "Vulnerability Assessment of Maasai Pastoralists Under Changing Climatic Condition and their Adaptation Strategies in Kajiado" (PhD candidate Registered at the University of Nairobi, Institute for Climate Change and Adaptation (ICCA))
13. **Betty Mbolanyi. 2016.** "The Potential of Rangelands for Improving Household Food Security in a Cattle Corridor Area in Uganda" (MSc. Candidate Registered at Makerere University)
14. **Mutavi Silvester Kyalo's. 2016.** "Determinants of Adoption of Forage Technologies among Peri-Urban Dairy Farmers in the Semi-Arid Region of South Eastern Kenya" (MSc. Student Registered at South Eastern Kenya University)
15. **Carolyn Karwitha Kanyuru. 2015.** "Dynamism, Value of Ecosystem Services and Adaptation to Socio-Economic and Ecological Challenges of Pastoralists' Institutional Arrangements in Northern Rangelands of Kenya" (PhD candidate Registered at the University of Nairobi)
16. **Patrick Mwambi Mwanyumba. 2014.** "Trade, Herd Dynamics, Utilization and Value Addition of Indigenous Livestock of Northern Kenya" (PhD candidate Registered at the University of Nairobi)
17. **Oscar Kipchirchir Koech. 2014.** "Comparative Growth and Interspecific Competition Responses of Six Range Grasses to Varying Soil Moisture Content in Kenyan Rangelands" (PhD candidate Registered at the University of Nairobi).

## M. INVITED REVIEW OF BOOKS, SCIENTIFIC JOURNALS & GRANT PROPOSALS

### **Books and Book Chapters**

1. **2019:** Chapter in: "Co-producing knowledge on food systems for development in Africa". 2019. Africa Climate Change Adaptation Initiative (ACCAI).
2. **2019:** Chapter in: "Agriculture and Ecosystem Resilience in Sub Saharan Africa: Livelihood Pathways Under Changing Climate". 2019. Springer Publishers
3. **2017:** Climate Risk and Food Security Atlas for the Horn of Africa. **2017.** IGAD/ICPAC
4. **2014:** United Nations Development Programme (UNDP). 2014. Understanding Community Resilience: Findings from Community-Based Resilience Analysis (CoBRA) Assessments: Marsabit, Turkana and Kajiado counties, Kenya and Karamoja sub-region, Uganda. United Nations Development Programme, Drylands Development Centre. Nairobi.  
[http://www.disasterriskreduction.net/fileadmin/user\\_upload/drought/docs/CoBRA%20Assessments%20Report.pdf](http://www.disasterriskreduction.net/fileadmin/user_upload/drought/docs/CoBRA%20Assessments%20Report.pdf)

### ***Journal Articles and Conference Abstracts***

1. **2020-Date:** Member of editorial board, Journal of Agriculture and Environment for International Development (JAEID)
2. **2019 – Date:** Member of Editorial Board, Journal of Agriculture Food and Environment (JAFE), Faculty of Agriculture, University of Nairobi.
3. **2019-Date:** Member of editorial board, Journal of Socio-Ecological Practice Research, Springer
4. **2018-Date:** Articles in: Climate Risk Management, Elsevier
5. **2018-2019:** Articles in: International Journal of Social Economics
6. **2016-2020:** Articles in: Journal of Arid Environments (JAE), Elsevier
7. **2015-2019:** Articles in: Land Degradation and Development Journal (LDD), John Wiley & Sons Journal.
8. **2014-2019:** Articles in: International Journal of Disaster Risk Reduction (IJDRR), Elsevier
9. **2019-2020:** Article in Pastoralism Research, Policy and Practice, Springer
10. **2017-2020:** Articles in: African Journal of Rural Development (AJRD), RUFORUM
11. **2019-2020:** Articles in: Gateways: International Journal of Community Research and Engagement. University of Technology Sydney (UTS) e-Press.
12. **2019-2020:** Abstracts for: International Grassland and Rangeland 2020 Congress
13. **2019:** Concept notes for: World Bank funded, Kenya Climate Smart Agriculture Project, Kenya Agriculture and Livestock Research Organization (KALRO)
14. **2019:** Abstracts for: Agro2019 Conference, Faculty of Agriculture, University of Nairobi

### **N. SELECTED COLLABORATIVE RESEARCH & CONSULTANCIES**

- 2021, August – October, 2021:** Facilitattion of Regional Policy Dialogue on Sustainable Use of Rangelands and Cross-Border Natural Grazing Resources  
**Role:** Lead Consultant, Range Management  
**Client:** AU-IBAR/IGAD
- 2021, February - March:** Facilitation of Virtual Online Learning on Scinetific Writing for Africa Climate Leadership Program (AfriCLP) Fellows  
**Role:** Research Scientist  
**Client:** Africa Climate Leadership Program (AfriCLP)
- 2021, February – March:** Review of Desk Study to Understand the Role and Potential of Private Sector in Addressing Acute Malnutrition in Isiolo and Marsabit Counties, Kenya  
**Role:** Rangeland Management Specialist  
**Client:** Submitted to Global Alliance for Improved Nutrition (GAIN) / Nutrition in ASALs Within Integrated Resilient Institutions (NAWIRI) Program
- 2020, December – January, 2021:**Final Program Evaluation of Kenya Resilient Arid Lands Partnership for Integrated Development (Kenya RAPID)  
**Role:** Rangeland Management Specialist  
**Client:** Millennium Development (MWA)
- 2020, August – December, 2020:**Strengthening Resilience Building Capacity through Three-Pronged Approach: Development of National and Urban Integrated Context Analyses (ICA)  
**Role:** Climate Change and Livelihoods Lead  
**Client:** World Food Programme
- 2019, September – February, 2020:** Assessment of Drought Impacts and Use of Early Warning Climate Information for Resilience Building in the IGAD Region  
**Client:** IGAD  
**Role:** National Consultant, Drought Risk Management
- 2019 (January - May):** Development of Regional Rangeland Management Strategic Framework for Arid and Semi-Arid Lands in IGAD Region  
**Client:** IGAD/ICPALD  
**Role:** Lead Consultant, Rangeland Management
- 2018 (February –March):** Development of Climate Risk Management Mainstreaming Training Manual for Kenya

- Client:** NDMA/UNDP  
**Role:** Climate Change Adaptation Lead
- 2017 (October – November):** Community Resilience in Kerio River Ecosystem (CORKE) Project in Elgeyo-Marakwet, West Pokot and Baringo Counties, Kenya  
**Client:** NCKK  
**Role:** Range Management and Resilience Specialist
- 2017 (March – May, 2017):** Review the IGAD/ICPAC Climate Risk and Food Security Atlas  
**Client:** IGAD/ICPAC  
**Role:** Reviewer
- 2016 (September –December):** Baseline study to support the GEF-funded project “Building Resilience for food security and nutrition in Chad’s rural communities”  
**Client:** CAMCO Advisory Services/African Development Bank  
**Role:** Lead consultant on Agro-Silvo-Pastoral Production Systems in the Drylands
- 2016 (June 5 – August 30):** Formulation of Framework for Integrated Climate Risk Management in Kenya  
**Client:** National Drought Management Authority (NDMA/UNDP)  
**Role:** Lead consultant on Disaster Risk Reduction and Climate Change Adaptation
- 2016 (May 30 – June 16):** Review of the draft national wildlife and climate change strategy for Kenya.  
**Client:** African Wildlife Foundation (AWF) & Kenya Wildlife Service (KWS)  
**Role:** Lead consultant on Rangeland Management
- 2015, November -2016, June:** Technical Evaluation of Drought Mitigation Related Technologies Under Cash/Food for Assets Programme implemented in the Arid and Semi-Arid Lands of Kenya by World Food Programme in partnership with FAO  
**Client:** United Nations World Food Programme and FAO  
**Role:** Lead consultant on Range Management
- 2015 (May 5 -27):** Lake Victoria Environmental Management Programme (LVEMP II) Watershed Management and Improved Livelihoods Technical Support Mission in Kenya, Uganda and Tanzania.  
**Client:** The World Bank and FAO  
**Role:** Lead consultant on Range Management
- 2015 (Feb. – March):** End of project Evaluation of the Natural Resource Management Facility (Changieni Rasilimali Facility) at Act Change Transform (ACT!)  
**Client:** Swedish International Development Cooperation Agency  
**Role:** Lead consultant on Natural Resource Management and Livelihoods
- 2014 (Nov.) – 2015 (March):** Development of Guidelines and Framework for Drought Resilience Analysis, and Capacity Building of Stakeholders under the framework of the IGAD Drought Disaster Resilience and Sustainability Initiative (IDDRSI), Kenya Country Programming Paper (Drought Risk Management and Ending Drought Emergencies Medium Term Plan for 2013-17.  
**Client:** Dryland Development Centre, UNDP  
**Role:** Lead consultant on Dryland resilience
- November, 2014 –February, 2015:** Assessing Vulnerability of Communities and Livelihood Systems in Turkana and Marsabit Counties  
**Client:** GIZ  
**Role:** Co-consultant on Pastoralist Livelihoods in Collaboration with German Institute for Tropical and Subtropical Agriculture (DITSL), Witzenhausen, Germany
- 2014 (March – Aug):** Design and Development of Pastoralist Resilience Partnership (PReP) Project Proposal under DFID’s Component B of BRACED Programme. The project focuses on Resilience Building and Adaptation to Climate Extremes and Disasters in the context of Kenya and Uganda’s Karamoja Cluster.  
**Client:** PReP consortium comprising Action Against Hunger (ACF) in Kenya and Uganda, Danish Refugee Council (DRC) and Danish Demining Group (DDG) in Kenya and Uganda  
**Role:** Lead consultant on Dryland Ecosystems and Pastoral Livelihoods
- 2011 (June – August):** End-term Evaluation of the Pastoralist Basket Fund programme in Tanzania



- Client:** CARE international  
**Role:** Principal researcher  
**2010 (Oct. – Nov.):** Environmental Audit of AMREF’s Pastoral Projects in Kenya  
**Client:** AMREF Kenya  
**Role:** Lead expert
- 2010 (July – Aug.):** Mid-term Evaluation of the Pastoralist Basket Fund programme in Tanzania  
**Client:** CARE International-Tanzania  
**Role:** Principal researcher
- 2010 – 2011:** “Climate risk management and adaptations options for pastoral and agro-pastoral systems in East and Central Africa. The study was jointly undertaken by ICRISAT and ILRI and funded by ASARECA.  
**Client:** ILRI  
**Role:** Co-investigator
- 2009 - 2011:** “Strengthening the adaptive capacity of rural poor to water scarcity in Kenya’s rangelands”.  
**Client:** A pilot study for Advancing Capacity to Support Climate Change Adaptation (ACCCA) project funded by UNITAR and START.  
**Role:** Co-investigator
- 2010: (Aug. 15 - 28):** “Medicinal plants of Kajiado District: An assessment of species and therapeutic claims of the Maasai community in Kajiado”  
**Client:** AMREF Kenya  
**Role:** Lead expert
- 2008 – 2010:** “Links between Seasonal Climatic Variability and Poverty: A case Study of Pastoral and Agro-pastoral Communities in Baringo District, Kenya”.  
**Client:** RUFORUM funded project  
**Role:** Co-investigator:
- 2011 (Jan. –April):** Feasibility Study and designing of Livestock and Range Management component of Wildlife Conservation Project in Northern Kenya  
**Client:** Ministry of Forestry and Wildlife/French Development Agency  
**Role:** Lead expert for Livestock and Rangeland Management
- 2010 (Jan – April):** Training of Trainers on Pastoralism Dynamics and Policy Options (PPO) in Eastern Africa  
**Client:** IIED/KIMMAGE-UK/MS-Training Centre for Development Cooperation (MS-TCDC), Arusha, Tanzania. The TOT training was funded by CORDAID  
**Role:** Facilitator - Pillar one of the course, which entails dynamics of dryland natural resources and their determinants.
- 2010: (Aug. 15 - 28):** “Medicinal plants of Kajiado District: An assessment of species and therapeutic claims of the Maasai community in Kajiado”  
**Client:** AMREF Kenya  
**Role:** Lead expert
- 2007 – 2010:** Facilitation of a course on Pastoralism Dynamics and Policy Options in Eastern Africa  
**Client:** MS-TCDC, Arusha, Tanzania.  
**Role:** Course facilitator - pillar one of the course, which entails dynamics of dryland natural resources and their determinants
- 2006: (Sept. – Oct.):** “A Comparative Study of Commercial Consumptive and Non-Consumptive Utilization Options for Wildlife Conservation Strategies in Kenya”.  
**Client:** The International Fund for Animal Welfare (IFAW)  
**Role:** Lead expert
- 2006 – 2007:** Ecological and socio-economic assessment of the use and management of the Lembus Forest.  
**Client:** World Conservation Union (IUCN) through the Lembus Forests Integrated Conservation and Development Project (ICDP)  
**Role:** Co-investigator

**2001 – 2002:** “Indigenous Techniques of Assessing and Monitoring Range Resources in East Africa”.  
**Client:** Regional Land Management Unit (RELMA at World Agroforestry Centre)  
**Role:** Co-investigator

#### **O. INVITED LECTURES IN SEMINARS**

1. **Oliver Vivian Wasonga. 2019.** Mainstreaming Climate Risk Management into County Planning in Kenya. Training Workshop for Staff of Siaya & Narok Counties on 1st and 2<sup>nd</sup> August, 2019 at Acacia Premier Hotel, Kisumu.
2. **Oliver Vivian Wasonga. 2019.** Mainstreaming Climate Risk Management into County Planning in Kenya. Training Workshop for Staff of Makueni and Kwale Counties held on 29th and 30th July, 2019 at Swahili Beach Hotel, Diani.
3. **Oliver Wasonga. 2013.** Using Value Chain Approach to Reveal the Total Economic Value of Pastoral Livestock in Isiolo County, Kenya. Presented at the GrassNet SummerSchool 2013, University of Kassel in Witzenhausen, Germany (December 15-18, 2013)
4. **Wasonga V.O., G. Rukunga, D. Kurao, S. Chebii, I. Wairimu, S. Mathenge and C. Ikutwa. 2012.** Ethnobotany of wild medicinal plants among the Maasai pastoralists in Kajiado District, Kenya. Presented at the GrassNet SummerSchool 2012, University of Kassel in Witzenhausen, Germany (18 – 29 September, 2012)
5. **Wasonga V.O. and Kaufmann B. 2012.** Understanding Adaptation to Climate Change in Pastoral Systems from the context of Resilience: An example from Turkana Pastoralists of North Kenya. Presented at the GrassNet SummerSchool 2012, University of Kassel in Witzenhausen, Germany (18 - 29 September, 2012)
6. **Wasonga V.O. and Kaufmann B. 2011.** Managing the Challenges and Emerging Opportunities of Climate Variability and Change in Kenya’s Drylands. Presented at the GrassNet SummerSchool 2011, University of Kassel in Witzenhausen, Germany (26 September - 4 October, 2011)

#### **P. PROFESSIONAL TRAINING**

- September 13-16, 2021:** Training on Asynchronous Teaching and Learning. **Sponsor:** University of Nairobi. **Sponsor:** University of Nairobi
- September 8-10, 2021:** Training on Publishing in High Impact Platforms & Turnitin Similarity Index. **Institution:** University of Nairobi. **Sponsor:** University of Nairobi
- September 15 and 17, 2021:** Training on Zotero Referencing Tool for Postgraduate Students and Researchers, and Information Searching Strategies for all students and researchers. **Institution:** University of Nairobi. **Sponsor:** University of Nairobi
- December 8, 2020:** Training on Orcid, Google Scholar & Self Archiving. **Institution:** University of Nairobi. **Sponsor:** University of Nairobi
- August 27 – 30, 2019:** Training of Trainers (TOT) on Integrating Ecosystem Services (IES) into Development Planning in Agrarian Landscapes. **Sponsor:** GIZ
- May 24, 2017:** Training Workshop for Development of ODEL Course contents for Dryland Resource Management PhD Syllabus on 24th May, 2017 At KALRO HQRS, Loresho. **Institution:** University of Nairobi. **Sponsor:** African Drylands Institute for Sustainability (ADIS)
- February 02-04, 2016:** Training in Pedagogy and Andragogy held on 2-4 February, 2016 at the Central Catering Unit (CCU). **Institution:** University of Nairobi. **Sponsor:** University of Nairobi
- May 04 – 7, 2015:** PhD Supervision Training Held at the Maanzoni Lodge between 4<sup>th</sup> May and 7<sup>th</sup> May, 2015. **Institution:** University of Nairobi. **Sponsor:** University of Nairobi
- November 28 - 29, 2013:** Situation Analysis in Socio-Ecological Research. **Institution:** The German Institute for Tropical and Sub-Tropical Agriculture (DITSL), University of

<b>September 15 - 28, 2013:</b>	Kassel, Witzenhausen. <b>Sponsor:</b> The German Academic Exchange Service (DAAD), GrassNet Programme ( <a href="http://www.ditsl.org">www.ditsl.org</a> ). Summerschool on "Synthesis – Cross continental analysis of grassland ecosystems vulnerable to climate change". <b>Institution:</b> University of Hohenheim, Institute for Plant Production and Agro-ecology of the Tropics and Subtropics, Stuttgart. <b>Sponsor:</b> The German Academic Exchange Service (DAAD), GrassNet Programme ( <a href="http://www.ditsl.org">www.ditsl.org</a> ).
<b>March 18th - 22nd, 2013:</b>	Geographic Information Systems (GIS) Training Workshop. <b>Institution:</b> Centre for Sustainable Dryland Ecosystems and Societies (CSDES). <b>Sponsor:</b> CSDES
<b>February 4th – 9th 2013:</b>	Research proposal development and scientific and technical communication. <b>Institution:</b> The Training Centre in Communication (TCC), Nairobi. <b>Sponsor:</b> University of Nairobi
<b>Dec. 10 - 14, 2012:</b>	Regional training workshop on the environmental and socio-economic data collection. <b>Institution:</b> The Sahara and Sahel Observatory (OSS), Tunis. <b>Sponsor:</b> OSS
<b>Sept. 18 - 29, 2012:</b>	Summerschool on "Modelling approaches to support Grassland Management". <b>Institution:</b> The German Institute for Tropical and Sub-Tropical Agriculture (DITSL), University of Kassel, Witzenhausen. <b>Sponsor:</b> The German Academic Exchange Service (DAAD), GrassNet Programme
<b>Sept. 26 – Oct.7, 2011:</b>	Summerschool on "Livelihoods from Grassland systems: Concepts and methods to increase adaptive capacity of land users to changing conditions". <b>Institution:</b> The German Institute for Tropical and Sub-Tropical Agriculture (DITSL), University of Kassel, Witzenhausen. <b>Sponsor:</b> The German Academic Exchange Service (DAAD), GrassNet Programme
<b>Feb. 21 - 25, 2011:</b>	Training of Educators' Workshop on " <i>Conflict Management and Resolution in Forestry and Natural Resources</i> ", Nairobi. <b>Institution:</b> The African Network for Agriculture, Agroforestry and Natural Resources Education (ANAPE). <b>Sponsor:</b> The United Nations Food Agriculture Organization (FAO)
<b>March 22 – 30, 2009:</b>	The Role of Native and Desert-Adapted Species in Slowing Desertification. <b>Institution:</b> Arava Institute of Environmental Studies (AIES), Kibutz Quetura, Israel. <b>Sponsor:</b> United Nations Department of Economic and Social Affairs (UN/DESA), and Israel's Ministry of Foreign Affairs Agency (MASHAV)
<b>Aug.–Sept, 2005:</b>	Participatory Project Monitoring and Evaluation. <b>Institution:</b> Kenya Institute of Administration. <b>Sponsor:</b> Self
<b>Sept. 2003 - April, 2004:</b>	Water Resources and Livelihood Security. <b>Institution:</b> Linköping University, Sweden. <b>Sponsor:</b> Sida/EPOS/PINEP
<b>November, 2002:</b>	Trees for Arid Lands (trees for environmental protection and sustainable development). <b>Institution:</b> Ben-Gurion University of the Negev, Israel. <b>Sponsor:</b> International Program for Arid Land Crops (IPALAC) and Israel's Ministry of Foreign Affairs Agency (MASHAV)

#### **Q. PARTNERSHIPS AND INSTITUTIONAL LINKAGES**

1. Zurich University of Applied Sciences (ZHAW), Switzerland: Collaboration through International Virtual Course (IVC) on Tackling Climate Change through Global Learning Project.
2. Universidade Federal de Grande Dourados (UFGD), Brazil: Collaboration through International Virtual Course (IVC) on Tackling Climate Change through Global Learning Project.
3. University of Agricultural Sciences Bangalore (UASB), India: Collaboration through International Virtual Course (IVC) on Tackling Climate Change through Global Learning Project.
4. Univeristy fo Cardiff, UK: Collaboration through Drought Resilience In East African Dryland Regions (DRIER) project; Translation of climate information into multilevel decision support for social adaptation, policy development, and resilience to water scarcity in the Horn of Africa Drylands (DOWN2EARTH) project.

5. University of Bristol, UK: Collaboration through Drought Resilience In East African Dryland Regions (DRIER) project
6. Danish Institute for International Studies (DIIS), Denmark: Collaboration through Governing Economic Hubs and Flows in Somali East Africa (GOVSEA) project
7. University of Hargeisa, Somaliland: Collaboration through Governing Economic Hubs and Flows in Somali East Africa (GOVSEA) project
8. German Corporation for International Cooperation (GIZ) through the Economics of Land Degradation (ELD) initiative project.
9. University of East Anglia: Collaboration through Adaptation at Scale in Semi-Arid Regions (ASSAR) project
10. University of Newcastle: Collaboration through Foundations for climate resilient and sustainable growing settlements (U-RES) project
11. University of Kwazulu Natal: Collaboration through U-RES project
12. OXFAM GB: Collaboration through ASSAR and U\_RES projects
13. University of Addis Ababa: Collaboration through ASSAR consortium
14. University of Cape town: Collaboration through ASSAR consortium
15. The German Institute for Tropical and Sub-Tropical Agriculture (DITSL) at University of Kassel, Witzenhausen: Collaboration through Post-doctoral Fellowship-DAAD GrassNet Project and Reduction of Post-Harvest Losses and Value Addition in East African Food Value Chains (RELOAD) project
16. University of Hohenheim, Germany: Collaboration through RELOAD project and DAAD GrassNet Project
17. The World Conservation Union (IUCN): Collaboration through the Sustainable Dryland Landscapes (SDL) Programme-in Drafting and Reviewing of the Report on “Investing in Healthy Rangelands in Devolved Kenya: Ecological, Social, Economic Governance towards an inclusive Green Economy”.
18. Egerton University, Kenya : Collaboration through RELOAD project and DAAD GrassNet Project
19. TUFT University, Ethiopia: Collaboration through Economic Valuation (TEV) Pastoralism Project
20. Jimma University, Ethiopia: Collaboration through RELOAD project.
21. The International Institute for Environment and Development (IIED). Collaboration through Total Economic Valuation (TEV) Pastoralism Project in Isiolo; and Postgraduate Programme on Dryland Policy and Climate Change Adaptation.
22. Ambo University, Ethiopia: Collaboration through RELOAD project
23. Kenya Agricultural and Livestock Research Organization (KALRO), Kiboko Research Station through Fodder Production for Enhanced Pastoral and Agro-Pastoral Resilience in the Drylands of Kenya (PREPARED) project.
24. Resource Advocacy Programme: Collaboration through Re-Packing Indigenous Knowledge to Inform Policy, Development and Pastoral Community Action in Kenya (PIK) project
25. Ministry of Agriculture, Livestock and Fisheries Development, Makueni and Kajiado Counties. Collaboration through PREPARED project.

## **R. NEGOTIATED MEMORANDA OF UNDERSTANDING**

- 2021:** MoU between UoN and Zurich University of Applied Sciences (ZHAW), Switzerland; Universidade Federal de Grande Dourados (UFGD), Brazil; and University of Agricultural Sciences Bangalore (UASB), India
- 2020:** MoU between UoN and the Centre for Research and Development in Drylands (CRDD)
- 2019:** MoU between UoN and the University of Hargeisa in Somaliland
- 2018:** MoU between UoN and the University of East Anglia in UK
- 2018:** MoU between UoN and Economics of Land Degradation Initiative (ELD)
- 2018:** MoU between UoN and START International
- 2015:** MoU between UoN and the University of East Anglia in UK
- 2014:** MoU between UoN and the German Institute for Tropical and Sub-Tropical Agriculture (DITSL) in Germany
- 2013:** MoU between UoN and University of Kassel in Germany
- 2013:** MoU between UoN and International Institute for Environment and Development

## **S. GRANTS AND SCHOLARSHIP AWARDS**

- 2018:** Grants for Local Adaptation Support (GLAS), a competitive small grant awarded by Global System Change for Analysis Research and Training (START)
- 2016 – 2017:** The Christensen Fund, USA for Promotion of Pastoral Indigenous Knowledge
- 2015-2017:** The Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) Graduate Research Grants (GRG)
- 2011/2012:** German Academic Exchange Service (DAAD) GrassNet post-doctoral scholarship award. Undertaken at German Institute for Tropical and Sub-Tropical Agriculture (DITSL), Germany
- 2009:** Open Society Institute (OSI)/International Institute for Environment and Development (IIED), bursary award to build awareness on adaptation to climate change in African Universities
- 2009:** United Nations Department of Economic and Social Affairs (UN/DESA), and Israel's Ministry of Foreign Affairs Agency (MASHAV) award for training on 'the Role of Native and Desert-Adapted Species for the purpose of Slowing Desertification'
- 2002:** International Programme for Arid Lands Crops (IPALAC) and Israel's Ministry of Foreign Affairs Agency (MASHAV) award for training on 'Trees for arid lands'
- 2003/2004:** Environmental Policy and Society (EPOS)/PINEP, an interactive course fellowship, Linköping University, Sweden
- 2004-2006:** Swedish International Development Agency (Sida)/PINEP PhD Scholarship Award
- 1992:** University of Nairobi, B.Sc. Scholarship award
- 1998:** University of Nairobi, M.Sc. Scholarship award

## **T. PROFESSIONAL ASSOCIATIONS**

- i. **2018 – Date:** Member, Homa Bay School Alumni Association
- ii. **2006 - Date:** Member, University of Nairobi Alumni Association
- iii. **2010 – Date:** Founding member, African Universities Network for Climate Change and Development (AUNCCD)
- iv. **2009 – Date:** Member, Eastern Africa Environmental Network (EAEN)
- v. **2009 – Date:** Member, the East Africa Natural History Society (Nature Kenya)
- vi. **2009 – Date:** Member, the East African Wildlife Society (EAWS)
- vii. **2008 – Date:** Member, Soil Science Society of East Africa (SSSEA)

## **U. ADMINISTRATION & OTHER RESPONSIBILITIES**

1. Former Head, Range Management Section, Department Land Resource Management and Agricultural Technology (LARMAT)
2. Member, ARUA Centre of Excellence in Sustainable Food Systems Management Committee (MANCO)
3. Chairman, Faculty Postgraduate Studies Committee, Faculty of Agriculture
4. Chairman, Agro2021 Conference and Exhibition Organizing Committee
5. Acting Chairman, Department of LARMAT (In absence of Chairman)
6. Former Chairman, Timetabling Committee, Faculty of Agriculture

## **V. COMMUNITY ENGAGEMENT & OTHER CONTRIBUTIONS**

1. Member of Ending Drought Emergency, Pillar 6 (Institutional Development and Knowledge Management), Convened by National Drought Management Authority
2. Member Tours Committee, Joint International Grassland & International Rangeland Kenya 2021 Virtual Congress (Joint XXIV IGC and XI IRC 2021). Hosted by Kenya, Bamburi Beach Hotel. <http://2021kenya-igc-irc.rangelandcongress.org/>
3. Member of Board of Management, Raruowa Secondary School

## **W. REFERENCES**

### **1. Prof. Dickson M. Nyariki**

Vice Chancellor, Murang'a University of Technology

P.O Box 75-10200, Murang'a.

Mobile Tel: +254-733-720718

E-mail: [dicksonnyariki@yahoo.com](mailto:dicksonnyariki@yahoo.com)

### **2. Prof. George Chemining'wa**

Acting Principal, Turkana University College

P.O. Box 69-30500, Lodwar

Mobile Tel: +254721723806

Email: [george.cheminingwa@uonbi.ac.ke](mailto:george.cheminingwa@uonbi.ac.ke)

### **3. Prof. Moses Nyangito**

Dean, Faculty of Agriculture, University of Nairobi

P.O. Box 29053-00625, Nairobi.

Mobile Tel: +254725665972

Email: [nyangito@uonbi.ac.ke](mailto:nyangito@uonbi.ac.ke)