

STALINE KIBET, PHD
CURRICULUM VITAE:

Name and Date of Birth: Staline Kibet, born 1973, Kericho County, Kenya

Marital Status: Married

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Summary Biodata

Dr. Staline Kibet has more than 19 years research experience formerly at National Museums of Kenya and more than 10 years of teaching at the University of Nairobi. He has a BSc. in Range Management from the University of Nairobi, a Master's Degree in Botany from Jomo Kenyatta University of Agriculture and Technology and Ph.D in Dryland Resource Management from University of Nairobi. His has research and work expertise in a number of areas some of which include Indigenous knowledge, curriculum development, development of strategic framework and plans, Participatory Scenario Analysis on climate change impacts, Knowledge System Mapping, Stakeholder Mapping, Natural resource mapping, Invasive species and sustainable approaches of conservation of natural resources. He has published a number of articles in peer reviewed journals, book chapters, books, policy briefs and blogs. He also has interest in certification Audits –FSC, UTZ, environmental impact assessment and SAS Standards (Group farm and Chain of Custody). Current research interests include; Sustainable livelihoods of dryland communities, Socio-ecological dynamics, Invasive species, Biodiversity and Sustainable agriculture and Indigenous knowledge.

Current Institution: Department of Land Resource Management and Agricultural Technology, College of Agriculture and Veterinary Services, University of Nairobi, www.larmat.uonbi.ac.ke

Academic Background:

- Ph.D. in Dryland Resource Management; Area of interest include; resilience in pastoral livelihood, Rangeland ecosystems management, and ecosystem services, University of Nairobi (2016)
- MSc. In Botany; Area of interest; plant ecology, taxonomy and economic botany, Jomo Kenyatta University of Agriculture and Technology (2003)
- BSc. in Range Management; Area of interest; Animals, plants and soil sciences, University of Nairobi (1997)

Professional Trainings

- 2019** Pedagogy and Androgogy training, CEPA, University of Nairobi
- 2019** Grant Proposal Writing Training, University of Nairobi
- 2018** Responsible Forest Management and Sustainable Forest Products Supply Chains – Soil Association and ASTRA Academy, Shuttleworth, UK.

- 2017 Lecturer Didactic Training Workshop, CAVS, University of Nairobi
- 2016 Electronic Library Services - AGORA and TEEAL Programmes
- 2014 SAN Group Certification and Chain of Custody Audit training – Certified SAN Auditor
- 2012 Modeling Approaches for Grassland Management, University of Kassel/DITSL, Germany
- 2012 Designing Research Projects in the Field – Tropical Biology Association, DRECA Specialist Training
- 2010 East Africa Regional Training in Biodiversity Informatics (Basic GIS, remote sensing and Species Distribution Modeling – J.R.S Biodiversity Foundation and Africa Conservation Centre.
- 2007 Modern Methods in Systematics, National Museums of Kenya
- 2006 A Certificate course on Sustainable Environmental Management - University of California Berkeley, USA (Behrs Leadership Program)
- 2005 Quality Management Systems: Implementation of ISO 9001:2000 training by Kenya Bureau of Standards (KEBS).

Current Position:

Lecturer, Department of Land Resource Management and Agricultural Technology, University of Nairobi, since September 2013.

Research Expertise:

Baseline surveys, economic botany, plant taxonomy, indigenous and traditional knowledge, curriculum development, Stakeholder Mapping, proposal writing, natural resource mapping, Participatory Scenario Analysis, Economic valuation of forests and wildlife; Analysis of the efficient and sustainable approaches of conservation of natural resources; Biodiversity and Agrobiodiversity, knowledge system mapping, Climate Change, Certification Audits –FSC and SAS Standards (Group farm and Chain of Custody).

Consultancies/projects on-going and completed:

1. "Science-based transformative Rangeland Management Practices for Enhanced Agricultural Productivity and Ecosystem Functions in Samburu County, Kenya (TRAMAP Kenya)" On-going **Co-PI**
2. Woody Weeds + Supporting the implementation of the National Prosopis Strategy in Kenya. On-going **Principal investigator**

3. Supporting the elaboration of a national strategy for the management of Prosopis in Kenya, ongoing **Principal Investigator**
4. Socially inclusive adaptation knowledge for resilient livelihoods in northern Kenya, (Starting in January 2020, funded by IDRC through Climate Development and Knowledge Network (CDKN) – Ongoing, **Principal Investigator**
5. Capacity Building of County Government Staff on Indigenous Knowledge Documentation and Preservations Training on-going, **Trainer**
6. Capacity Building of County Government Staff on Rangeland Management and Livestock Production on-going, **Trainer**
7. Development of Handbook on Management and Control of Cactus species (*Opuntia stricta* & *O. ficus-indica*) for Laikipia County, UNDP/Mpala Research Centre (on-going). **Lead Consultant**
8. Rain Forest Alliance Sustainable Agricultural Standards (SAS) on Farm/Group and Chain of Custody Audits (continuous), **Lead Consultant**
9. Adaptation at Scale at Semi-Arid Regions Project – Conservation Models based on Community Conservancies in Northern Kenya (2019).
10. Pastoral Indigenous Knowledge in Northern Kenya Project (Completed 2019)
11. Baseline Study on Enhancing Resilience in Somaliland through Farmer Managed Natural Regeneration (FMNR), 2018. **Principal Investigator**
12. Capacity Building for Decentralized Natural Resource Management in Puntland (completed 2016)
13. The Role of Farmers Knowledge and Innovation in Promoting Biodiversity Conservation and Ecosystem Services in Kenya. FAO Project (Completed May 2016), **Lead Consultant**
14. Sustainable use of Natural Resources and Biodiversity for improved livelihoods for the Biodiversity Atlas of Kenya, for African Conservation Centre and Ministry of Environment and Natural Resources (completed 2015).
15. Testing Eco Mark Africa (EMA) final draft forestry standard in Kilwa Tanzania on behalf of Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) Nairobi (Completed 2014), **Lead Consultant**
16. Resource Person for Vital Signs Africa (Conservation International) where I train project staff on vegetation sampling and biomass measurement in Ghana, CSIR (November 2013).
17. Safeguarding Traditional Foodways among two Kenyan communities (Agriculturalists and Pastoralists) Project of UNESCO. Role; development of data collection protocols for pupils (age 13-15 years); identification of primary schools to participate in the project among the Pastoral community, synthesis of data and report writing (completed in 2013).
18. Species range determination on plant species identification for Landscape Mosaic Project, East Usambara Site, CIFOR-ICRAF project (completed 2010).
19. Development of Tools and Products in Taxonomy. UVIMA Project commissioned by EAFRINET/BioNET International. Role; Lead Consultant – Plants component. Collection of tools and products on invasive plants of Kenya (Completed 2010)
20. Possible Integration of Traditional Knowledge, Gender roles and Beliefs to Modern Conservation. Study commissioned by Research Programme for Sustainable Utilisation

of Dryland Biodiversity (RPSUD). Work done among Luos, Pokot, Maasai and Giriama communities of Kenya (Completed in 2009)

21. Folk Classification of Landscape, Practices and Risk to Conservation among the Turkana People. – Kimetrica International (completed in 2007)
22. Ethnobotanical Knowledge: It's Implication to Sustainable Utilization of Plants Resources in Marsabit District, northern Kenya. For Indigenous Vegetation Project - UNEP/UNDP/NEMA (completed in 2007)
23. Resource person for Traditional Health Practitioners Training in SACDEP Thika. Kenya Network on Medicinal Plants and Traditional Medicine (Completed in 2005).

University Teaching:

1. **September 2011-August 2013:** Part-time lecturer, University of Nairobi - courses taught – Range plants and their values, Agro-Ecology and Biodiversity, Plant taxonomy, Dryland Agro-forestry, and Range Ecology
2. **September 2013 to June 2021:** Tutorial Fellow; Teach and guide Undergraduate and Graduate students in the following degree programmes; BSc. Range Management, BSc. Management of Agroecosystem and Environment, MSc. Range Management, MSc. Agroforestry,
3. **June 2021 to Present** – Lecturer; Teach and guide Undergraduate and Graduate students in the following degree programmes; BSc. Range Management, BSc. Management of Agroecosystem and Environment, and MSc. Range Management,

University Project Coordination and Research Experience

2021- Chair, Faculty of Agriculture Environmental Stewardship Committee

2018-2020 Member of Curriculum Review Department of LARMAT

2018-2020 Member Faculty of Agriculture Curriculum Review Committee

Previous Posts

2021	- Lecturer	University of Nairobi
Present	Instructor for both undergraduate and graduate students in plant sciences (taxonomy, Ecology, Range plants and their values, Dryland agroforestry) and pastoral livelihoods	
2013	-Jun Tutorial Fellow	University of Nairobi (CAVS)
2021	Instructor for both undergraduate and graduate students in plant sciences (taxonomy, Ecology, Range plants and their values, Dryland agroforestry) and pastoral livelihoods.	
2011- 2014	Principal investigator/Project Manager	Smithsonian Institution Global Earth Observatory (CTFS-FORESTGEO) - Mpala Long-term Monitoring Plot Project
	FOREST-GEO is a vast network spanning 21 countries where over 4.5 million trees are monitored in large-scale research plots to understand how forests are structured,	

how fast they grow, and effects of climate change among other questions. Mpala long-term monitoring plot is the first in the savanna ecosystem and the largest in the network. As project principal investigator/manager my role included coordination of project activities such as supplies procurement, field schedules and logistics, budgeting, writing progress reports, and data quality control. My technical input to the project included selection of plot site, recruitment of competent field staff, customizing the FORESTGEO network sampling standard to suit savanna vegetation, identification of plant species, and develop regular technical reports. As part of building local capacity, I regularly hosted Secondary School students and interns in the project.

- 2011 - 2013** **Part-Time Lecturer** **University of Nairobi (CAVS)**
Lecturing & examining undergraduates students on Dryland Agroforestry, Range Plants and their values, Ecology, Plant taxonomy and Systematics
- 2011-2013** **Section Head,** **National Museums of Kenya**
Documentation and Information Management section of Botany Department
As head of section my responsibilities among others included; coordinating the activities of the section, supervising and appraising performance of section staff, writing project proposals for funding, compiling section progress reports and in consultation with section staff, set yearly targets for the section.
- 2008 - 2012** **Research Scientist** **National Museums of Kenya**
Responsibilities
- Curation of Herbarium collections
- Identifying and documenting plant specimen
- Carry out field-based research on relevant taxonomic groups
- Guide visiting scientists and students on internship
- Give talks to college students on economic botany
- 2004 – 2008** **Regional Node Project Coordinator** **National Museums of Kenya**
Coordinating Eastern Africa Regional Node of SEPASAL Project. SEPASAL is a comprehensive online database on wild and semi-domesticated economic plants of Eastern Africa drylands. This was a collaborative project between National Museums of Kenya and The Royal Botanic Gardens, Kew. As a project Coordinator, I was responsible for coordinating project all activities (Supervising staff, set priorities, liaison and communication, and quality control of database, monthly and biannual project reports and Budget monitoring.
- 2002 – 2004** **Assistant Botanist** **National Museums of Kenya**
In this position my responsibilities included updating database of dryland plant species for Eastern Africa region, attend to all inquiries on the database and contribute to International Economic Botany Data Collection Standard through

testing its use and appropriateness of terms used.

- 1998 – 2002 Volunteer Researcher Coastal Forests Conservation Unit**
As an intern at the project of National Museums of Kenya, I was involved in a number of activities. Skills and competencies acquired
- Ecological and ethnobotanical field surveys, para-taxonomy, conducting interviews and vegetation sampling
 - Organization of workshops, environmental education and meetings with community members and other partners
 - Conduct field excursions for visiting researchers and students
 - Facilitation of community conservation groups formation.
 - Evaluating income generating projects potential around conservation sites
- 1996 Project attachment (Intern) International Livestock Research Institute**
As part of my training in Range Management I was attached to ILRI at Kapiti Plains Estate Ranch as an intern for field experience. Knowledge and Skills learned; general livestock husbandry, how to address Livestock/Wildlife conflicts, pasture management and basic livestock tools maintenance.
- 1996 Teacher Soliat Secondary School**
Taught Biology and Agriculture.

Skills and competencies

1. Certification Audits (SAN Farm/Group Certification and Chain of Custody Audits; Forest Management Assessment & Chain of Custody)
2. Training skills and curriculum development
3. Research skills in Ecology, Ethnobotany, Indigenous knowledge and Taxonomy;
4. Computer applications (Word, excel, PowerPoint, internet, Statistical packages and basic GIS)
5. Project management and administrative roles,
6. Environmental management skills, project proposals
7. Organization of public events (exhibitions)
8. Knowledge on evaluation of ecosystem services; Carbon credits evaluation
9. Environmental Social and Impact Assessment skills

Languages

English, Kalenjin Dialects, and Kiswahili (fluent)

Societies and affiliations

Member of:

1. International Society of Ethno-biology
2. Beahrs Environmental Leadership Program Alumni Network

3. Kenya Forest Working Group
4. Society for Conservation GIS Kenya
5. Kenya Society of EthnoEcology

PUBLICATIONS

Peer reviewed journal articles

1. Williams, F., Constantine, K. L., Ali, A. A., Karanja, T. W., **Kibet, S.**, Lingeera, E. K., Muthike, G., Rwomushana, I, Godwin, J and R. Day, R. 2021. An assessment of the capacity and responsiveness of a national system to address the threat of invasive species: a systems approach. *CABI Agric Biosci* 2:42 <https://doi.org/10.1186/s43170-021-00062-7>
2. **Kibet, S.**, Nyangito, M.M., MacOpiyo, L. and Kenfack, D. 2021. Savanna woody plants responses to mammalian herbivory and implications for management of livestock–wildlife landscape, *Ecol Solut Evid*. Vol. 2, (3) 12083.
3. Kenfack, D, Arellano, G., **Kibet, S.**, Kimuyu, D and Musili, P. 2021. Understanding the monodominance of *Acacia drepanolobium* in East African savannas: insights from demographic data. *Trees* vol 35, pages1439–1450
4. Fungomeli, M., Cianciaruso, M., Zannini, P., Githitho, A., Frascaroli, F., Fulanda, B., **Kibet, S.**, Wiemers, M., Mbuvi, M.T., Matiku, P and Chiarucci, A. 2020. Woody plant species diversity of the coastal forests of Kenya: filling in knowledge gaps in a biodiversity hotspot. *Plant Biosystems - An International Journal Dealing With All Aspects Of Plant Biology*, <https://doi.org/10.1080/11263504.2020.1834461>
5. Augustine, D., Wigley, B., Ratnam, J., **Kibet, S.**, Nyangito, M.M., and Sankaran, M. 2019. Large herbivores maintain a two-phase herbaceous vegetation mosaic in a semi-arid savanna, doi:10.1002/ece3.5750
6. Chidiebere O, New. M.G., **Kibet S.** 2018. The effect of inter-organisational collaboration networks on climate knowledge flows and communication to pastoralists in Kenya. *Sustainability*, (10), 4180; doi:10.3390/su10114180
7. Boyle, J.H., Martins, D.J., Pelaez, J., Musili, P.M., **Kibet, S.**, Ndung'u, S.K., Kenfack, D and Pierce N.E. 2018. Polygyny does not explain the superior competitive ability of dominant ant associates in the African ant-plant, *Acacia(Vachellia) drepanolobium*. *Ecology and Evolution* 8(3): 1441-1450
8. **Kibet, S.**, Nyangito, M.M., MacOpiyo, L and Kenfack, D. 2016. Tracing innovation pathways in the management of natural and social capital on Laikipia Group Ranches, Kenya. *Pastoralism* 6(1), 16
9. Anderson-Teixeira, K.J...S. **Kibet** and 109 others, 2014. CTFS-ForestGEO: a worldwide network monitoring forests in an era of global change. *Global Change Biology* (2014), doi: 10.1111/gcb.12712
10. **Kibet, S.** 2011. Plant communities, species diversity, richness and regeneration of traditionally managed coastal forest, Kenya. *Forest Ecology and Management* 261: 949-957
11. Maundu, P., **Kibet, S.**, Morimoto, Y., Imbumi, M. and Adeka, R. 2009. Impact of *Prosopis juliflora* on Kenya's semi-arid and arid ecosystems and local livelihoods. *Biodiversity*, Vol. 10 (2 &3) 33-50

12. **Kibet, S** and Nyamweru, C. 2008. Cultural and Biological Heritage at Risk; The Case of the Rabai Kaya Forests in Coastal Kenya. *Journal of Human Ecology* Vol. 24 (4) 287-295

Book chapters

1. **Kibet, S.**, Choge, S., Shackleton, R and Schaffner, U. 2020. Managing native 'bush encroachment' in East African rangelands. In 2020. Restoring African Drylands, Pasiecznik, N. and C. Reij (eds.). Tropenbos International, Wageningen, the Netherlands. vi + 266 pp
2. Kibet, S and Nantongo, P. 2016. Management of agropastoral production systems, In; FAO 2016. Mainstreaming ecosystem services and biodiversity into agricultural production and management in East Africa. Technical guidance document. FAO Rome Italy. www.fao.org/3/a-i5603e.pdf
3. Kibet, S and Nantongo, P. 2016. Farmers' traditional knowledge and innovation. In; FAO 2016. Mainstreaming ecosystem services and biodiversity into agricultural production and management in East Africa. Technical guidance document. FAO Rome Italy. www.fao.org/3/a-i5603e.pdf
4. Nyamweru, C, **Kibet, S.**, Pakia, M and Cooke, JA. 2008. The Kaya forests of coastal Kenya, 'Remnant patches' or Dynamic Entities? In: Sheridan, M and Nyamweru, C.K. (editors) African Sacred Groves: Ecological Dynamics and Social Change. James Currey Publishers, UK.
5. Kariuki, P and **Kibet, S.** 2008. Building Capacity for Community-based Conservation of Medicinal Plants in Kenya. In: Hamilton, A.C (ed) Medicinal Plants Conservation and Development: Case Studies and Lessons Learnt. Plantlife International, Salisbury, UK.

Books

1. P. Maundu, E. Bosibori, **S. Kibet**, Y. Morimoto, A. Odubo, B. Kapeta, P. Muiruri, R. Adeka, J. Ombonya, 2013. Safeguarding Intangible Cultural Heritage: a practical guide to documenting traditional foodways. http://www.biodiversityinternational.org/uploads/tx_news/Safeguarding_Intangible_Cultural_Heritage_a_practical_guide_to_documenting_traditional_foodways_1675_01.pdf
2. P. Maundu, P. Muiruri, R. Adeka, J. Ombonya, Y. Morimoto, E. Bosibori, S. Kibet, A. Odubo, 2013. Traditional Foodways of The East Pokot Community of Kenya. [Http://Www.Biodiversityinternational.Org/E-Library/Publications/Detail/Safeguarding-Intangible-Cultural-Heritage-A-Practical-Guide-To-Documenting-Traditional-Foodways/](http://www.Biodiversityinternational.Org/E-Library/Publications/Detail/Safeguarding-Intangible-Cultural-Heritage-A-Practical-Guide-To-Documenting-Traditional-Foodways/)
3. P. Maundu, P. Muiruri, R. Adeka, J. Ombonya, Y. Morimoto, E. Bosibori, S. Kibet, A. Odubo, 2013. Safeguarding Intangible Cultural Heritage: Traditional Foodways of the Isukha Community of Kenya. http://www.Biodiversityinternational.Org/Uploads/Tx_News/Safeguarding_Intangible_Cultural_Heritage_Traditional_Foodways_Of_The_Isukha_Community_Of_Kenya_1673_02.Pdf

Institutional and contract (consultancy) reports (institutional review)

1. **Kibet, S.** 2015. The Role of Farmers Knowledge and Innovation in Promoting Biodiversity Conservation and Ecosystem Services in Kenya. FAO, Rome, Italy.
2. Musila W., Githiru M., Kanga M.E, Warui, C., Malonza P., Njoroge P., Gikungu M., Mbau J., Nyingi D., Malombe I., **Kibet S.** and Nyaga J. 2009. Mt. Kenya Forest Biodiversity Assessment Technical Report. Kenya Wildlife Service, Nairobi
3. **Kibet, S** and Oyieke, H. 2009. Possible Integration of Traditional Knowledge, Gender Role and Beliefs in Modern Conservation. A commissioned Study for Research Programme on Sustainable Use of Dryland Biodiversity (RPSUD), National Museums of Kenya, Nairobi.
4. Kariuki, P and **Kibet, S, 2007.** Medicinal Plants traded in Kenya. Markey survey report for Nairobi, Nyanza and Mombasa. <http://idl-bnc.idrc.ca/dspace/handle/10625/42127>
5. **Kibet, S,** Guyo, H and Lentoror, E, 2007: Ethnobotanical Knowledge: Its Implications to Conservation and Sustainable Utilisation of Plants. A case Study of Rendille and Ariaal Communities of Marsabit District. Report Submitted to Indigenous Vegetation Project – UNEP/UNDP/NEMA
6. **Kibet, S** and Situma E, 2007: Folk Classification of Landscape, Practices and Risk to Conservation among the Turkana People. Technical Report Submitted to Kimetrica Co. Limited, Nairobi.
7. Nyamwamu, B, Shiundu, K and **Kibet, S.** 2005: Field Report on Indigenous Knowledge on Traditional foods in Siaya and Butere Districts, Western Kenya. African Wild Harvest Report.
8. Kioko, E; Ogada, M and **Kibet, S,** 2009. Tools and Products in Taxonomy. Technica Report submitted to EAFRINET/BioNET International for UVIMA Project. <http://eafrinet.museums.or.ke/KenyaDraft.pdf>

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

1. Kibet S and Wasonga, O. 2021. Perceptions on governance for effective adaptation to climate change within community-based wildlife conservancies in Kenya. The Joint XXIV IGC and XI IRC congress will be held in Nairobi, Kenya, October 25 – 29, 2021.
2. **Kibet, S.** 2009. Possible Integration of Traditional Knowledge, Gender roles and Beliefs to Modern Conservation, National Museums of Kenya.
3. **Kibet, S.** 2009. Role of Taxonomy in New Products Development. Naturally African: In support of African natural products development and Marketing. Sub-regional Consultative Workshop for Eastern Africa, World Agroforestry Centre (ICRAF) 18th-19th May 2009.
4. **Kibet, S.,** Adeka, R., Imbumi, M. and Maundu, P. 2007. Accessing Biodiversity information for conservation and development: a case of SEPASAL Database. Second PROTA/CTA International Workshop and Investor's Forum, September 24-26, 2007 Nairobi, Kenya.
5. Davis, S, Adeka A, **Kibet S,** Imbumi M and Maundu P (2006). The survey of economic plants for arid and semi-arid lands (SEPASAL). Making data available for sustainable use: experience in Kenya. Paper presented during ASUK Biennial Conference, September 11–13, 2006, UK.

6. **Kibet, S.** 2004. The Journey from the Kaya to the cross: the changing status of Rabai forest, coastal Kenya. In Ninth International Congress of Ethnobiology Programme and Abstracts. Ethnobiology, Social Change and Displacement. University of Kent at Canterbury. p. A57

BLOGS

1. Kibet, s and Wasonga v.o. 2019.<http://www.assar.uct.ac.za/news/barriers-and-enablers-effective-climate-adaptation-through-eyes-pastoral-communities-kenya>.
2. https://www.slu.se/globalassets/ew/org/andra-enh/uadm/global/agrifose/outputs/briefs/ilri2020/staline-kibet_final-policy-brief.pdf

REFEREES

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