

Biographical Data

Name: Gufu Oba Dr. Philos
Professional title: Professor
Date of birth: 24.06.1952
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(a) Professional Training and experiences

Undergraduate: B Ed (Science) Hons, Kenyatta University, 1977-1980 (Kenya)
Graduate: MSc (Range Management), University of Arizona, Tucson, 1983-1986 (USA)
Post-graduate: Dr. Philos (Range Science), University Oslo, 1993-1996 (Norway)
Post Doctoral: University of Oslo, 1997-1999 (Norway)

(b) Appointments

Professor (2004), Noragric, Department of International Environment & Development Studies, Norwegian University of Life Sciences, PO Box 5003, N-1432 Ås, Norway.
1997-1999- Post Doctoral Fellow at Division of Zoology, Department of Biology, University of Oslo
1993-1996- Dr Philos candidate at the Division of Zoology, Department of Biology, University of Oslo
1994- Environmental Policy and Society (EPOS) University of Uppsala, Sweden
1992- Research Fellow at Christian Michelsen Institute of Development and Social Studies (Bergen)
1986-1991- UNESCO-TREMU project in Turkana, Kenya
1981-1983 – UNESCO/MAB-Integrated Project on Arid Lands (Marsabit/Nairobi, Kenya)

Peer reviewed publications

1. Gufu Oba 2014, *Climate change in Africa: An historical ecology*, Routledge UK
2. Zeinabu K. Khalif and Gufu Oba (2013), 'Gaafa dhaabaa - the period of stop': Narrating impacts of *shifita* insurgency on pastoral economy in northern Kenya, c. 1963 to 2007, *Pastoralism: Research, Policy and Practice* 2013, 3:14, <http://www.pastoralismjournal.com/content/3/1/14>
3. Gufu Oba, 2013, *Nomads in the shadows of empires: Contests, conflicts and legacies on southern Ethiopian and Northern Kenyan frontier* (BRILL International Publishers, African Study Series)
4. Hassan G Roba and Gufu Oba 2013, Understanding the role of local management in vegetation recovery around pastoral settlement in Northern Kenya, *Environmental Management* (2013) 51:838–849
5. Waktole Tiki, Gufu Oba and Terje Tvedt (2013), An indigenous time-related framework for reconstructing the impact of disasters on ancient water systems in southern Ethiopia, 1560- 1950, *Journal of Historical Geography*, *Journal of Historical Geography* 41 (2013) 33-43, <http://dx.doi.org/10.1016/j.jhg.2012.12.001>
6. Bulle Hallo Dabasso, Gufu Oba and Hassan G. Roba 2012. Livestock-based knowledge of rangeland quality assessment and monitoring at landscape level among Borana herders of northern Kenya, *Pastoralism: Research, Policy and Practice* 2: 2, doi: 10.1196/2041-7136-2-2.
7. Gufu Oba 2012. Harnessing pastoralists' indigenous knowledge for rangeland management: three African case studies, *Pastoralism: Research, Policy and Practice* 2: 2, <http://www.pastoralismjournal.com/content/2/1/1>

8. Gufu Oba 2012. Mobility and the Sustainability of the Pastoral Production System in Africa: Perspectives of Contrasting Paradigms in Andy Catley, Jeremy Lind, Ian Scoones (eds.) *Pastoralism and Development in Africa: Dynamic Change at the Margins*, Earthscan/ Routledge.
9. Ayana Angassa and Gufu Oba 2012. Cattle herd vulnerability to rainfall variability: responses to two management scenarios in southern Ethiopia, *Tropical Animal Health Production* DOI 10.1007/s11250-012-0279-x.
10. Ayana Angassa, Gufu Oba and Adugna Tolera 2012. Bush encroachment control demonstration and management implication on herbaceous species in savannas of southern Ethiopia, *Tropical and Subtropical Agroecosystems* 15: 173-185.
11. Ayana Angassa, Gufu Oba and Nils Chr. Stenseth, 2012. Community-based Knowledge of Indigenous Vegetation in Arid African Landscapes, *Consilience: The Journal of Sustainable Development* 8 (1) (2012): 70-85.
12. Ayana Angassa, B. Sheleme, G. Oba, A.C. Treydte, A. Linstädter and J. Saverbon, 2012. Savanna land use and its effect on soil characteristics in southern Ethiopia, *Journal of Arid Environments* 81: 67-76.
13. Waktole Tiki, Gufu Oba and Terje Tvedet 2011, Human stewardship or ruining cultural landscapes of the ancient Tula wells, southern Ethiopia. *The Geographical Journal*, Vol. **177**, No. 1, March 2011, pp. 62–78, doi: 10.1111/j.1475-4959.2010.00369.x
14. Gufu Oba, 2011, Colonial resource capture: triggers of ethnic conflicts in the Northern Frontier District of Kenya, 1903–1930s, *Journal of Eastern African Studies* 5 (3): 505-534.
15. James C. Njanja and Gufu Oba, 2011. The Turkana camel breed in north-western Kenya: Part 2: Productivity characteristics, *Outlook on Agriculture*, 40 (3): 273-279(7).
16. Boku Tache and Gufu Oba 2010. Is poverty driving Borana herders in southern Ethiopia to crop cultivation? *Human Ecology* 38: 639-649.
17. James C. Njanja and Gufu Oba, 2010. The Turkana camel breed in north-western Kenya: lactation characteristics, *Outlook on Agriculture*, 39: 49-55.
18. Ayana Angassa and Gufu Oba, 2010. Effects of grazing pressure, age of enclosures and seasonality on bush cover dynamics and vegetation composition in southern Ethiopia. *Journal of Arid Environments*, 74: 111 – 120.
19. Roba HG, and Gufu Oba 2009, Efficacy of Integrating Herder Knowledge and Ecological Methods for Monitoring Rangeland Degradation in Northern Kenya, *Human Ecology*, 37 : 589-612
20. Hassan G. Roba and Gufu Oba, 2009. Framework for integrating indigenous knowledge and ecological methods for Implementations of Global Environmental Conventions. In: *Desertification*” by NOVA Scientific Publishers.
21. Ayana Angassa and Gufu Oba 2009, Bush encroachment control demonstrations in southern Ethiopia: 1. Woody species survival strategies with implications for herder land management, *African Journal of Ecology* 47: 63-76.
22. Boku Tache and Gufu Oba, 2009, Land use policies, History and inter-ethnic conflicts in Southern Ethiopia, *Review of African Political Economy* 121: 409-426.
23. Waktole Tiki and Gufu Oba 2009, Ciinna - the Borana Oromo narration of the 1890s Great Rinderpest epizootic in North Eastern Africa, *Journal of Eastern African Studies*, Vol. 3, No. 3, November 2009, 479-508.
24. Roba HG and Gufu Oba 2009, Community participatory landscape classification and biodiversity assessment and monitoring of grazing lands in northern Kenya, *Journal of Environmental Management*,: 90 (2): 673-682.
25. Ayana Angassa and Gufu Oba 2009, Effects of grazing pressure, age of enclosures and seasonality on bush cover dynamics and vegetation composition in southern Ethiopia, *Journal Arid land Environments* 74 (2010) 111–120.
26. Gufu Oba, Byakagaba P, Angassa A., 2008, Participatory monitoring of biodiversity in East African grazing lands, *Land Degradation and Development*, 19 (6): 636-648.
27. Gufu Oba, Weladji RB, Msangameno DJ, et al. 2008. Scaling effects of proximate desertification drivers on soil nutrients in Northeastern Tanzania, *Journal of Arid Environments* 72 (10):1820-1829.
28. Ayana Angasa and Gufu Oba, 2008, Effects of management and time on mechanisms of bush encroachment in southern Ethiopia, *African Journal of Ecology* 46 (2): 186-196.

29. Hassan G. Roba and Gufu Oba, 2008, Integration of herder knowledge and ecological methods for land degradation assessment around sedentary settlements in a sub-humid zone in Northern Kenya. *International Journal of Sustainable Development and World Ecology* 15: 251-264.
30. Hassan G. Roba and Gufu Oba, 2008, Community participatory landscape classification and biodiversity assessment and monitoring of grazing lands in Northern Kenya. *Journal Environmental Management*: doi: 10.1016/j.jenvman.2007.12.017.
31. Ayana Angassa and Gufu Oba, 2008, Herder perceptions on impacts of range enclosures, crop farming, fire ban and bush encroachment on the rangelands of Borana, Southern Ethiopia. *Human Ecology* 36: 201-215.
32. Gufu Oba, Sjaastad, E. and Roba, H. G., 2008, Framework for participatory assessments and implementation of global environmental conventions at the community level. *Land degradation & Development* 19: 65-76.
33. Ayana Angassa and Gufu Oba, 2007, Effects of management and time on mechanisms of bush encroachment in southern Ethiopia, *African Journal of Ecology* 46: 186-196.
34. Jørn Stave, Gufu Oba, I. Nordal and NC Stenseth, 2007, Traditional ecological knowledge of riverine forest in Turkana, Kenya: Implications for Research and management, *Biodiversity Conservation* 16: 1471-1489.
35. Ayana Angassa and Gufu Oba, 2007, Relating long-term rainfall variability to cattle population dynamics in communal rangelands and a government ranch in southern Ethiopia, *Agricultural Systems* 94: 715-725.
36. Gufu Oba, 2007, Challenges and opportunities for pastoralism in Africa. Degrading rangelands or maintaining resilience). PP. 317-328. In Rosati, A. Tewolde, A. and Msconi, E. (Eds). *Animal production and animal science worldwide. WAAP book of the Year 2006: A review on Developments and Research in Livestock systems*.
37. Gufu Oba and Kaitira, L. M., 2006, Herder knowledge of landscape assessments in arid rangelands in Northern Tanzania, *Journal of Arid Environments* 66: 168-186.
38. Muluberhan Hailu Abebe, Gufu Oba and Ayana Angassa 2006, The role of area enclosures and fallow age in the restoration of plant diversity in Northern Ethiopia, *African Journal of Ecology* 44: 507-514.
39. Gufu Oba, Charlotta, S. Bjorå and I. Nordal (2006). Effects of herbivory on aboveground biomass partitioning in two arid zone dwarf shrubs, *African Journal of Range and Forage Sciences* 23: 159-164.
40. Asser Sheuyage, Gufu Oba and Robert B. Weladji, 2005, Effects of anthropogenic fires on savanna vegetation in Northeastern Namibia, *Journal of Environmental Management*. 75: 189-198.
41. Jørn Stave, Gufu Oba, Aud B. Eriksen, Inger Nordal, Nils C. Stenseth, 2005. Seedling growth of *Acacia tortilis* and *Faidherbia albida* in response to simulated ground water tables, *Forest Ecology and Management* 212: 367-375.
42. Jørn Stave, Gufu Oba, Nils C. Stenseth and Inger Nordal 2005. Environmental gradients in the Turkwel riverine forest, Kenya: Hypotheses on dam induced vegetation change, *Forest Ecology and Management* 212: 184-198.
43. Zerihun H. Desta and G. Oba, 2004, Feed scarcity and livestock mortality in *Enset*-mixed farming systems in the Bale highlands southern Ethiopia, *Onlook on Agriculture* 33: .277-280.
44. Selma Nangula and Gufu Oba, 2004, Effects of artificial water points on the Oshana ecosystem in Namibia. *Environmental Conservation* 31: 47-54.
45. Fadhili, H. Mumia and Gufu Oba, 2003, Potential role of sacred groves for *in-situ* biodiversity conservation in Tanzania, *Environmental Conservation* 30: 259-265.
46. A. L. Mapinduzi, Gufu Oba, R. B. Weladji and Jonathan Colman, 2003, Use of indigenous ecological knowledge of the Maasai pastoralists for assessing rangeland biodiversity in Tanzanian, *African Journal of Ecology* 41: 329-336.
47. Jørn Stave, Gufu Oba, C. S. Bjorå, Z. Mengistu, Inger Nordal and N. C. Stenseth, 2003, Spatial and temporal woodland patterns along the lower Turkwel River, Kenya. *African Journal of Ecology* 41: 224-236.
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51. Gufu Oba, Eric post and N. C. Stenseth, 2001, Sub-Saharan desertification and productivity are linked to hemispheric climate variability, *Global Change Biology* 7: 241-246.
52. Gufu Oba, Ole R. Vetaas and N. C. Stenseth, 2001, Relationships between biomass and plant species richness in arid-zone grazing lands, *Journal of Applied Ecology* 38: 836-845.
53. Gufu Oba, 2001, The effects of multiple droughts on cattle in Obbu, Northern Kenya. *Journal of Arid Environments*, 49:375-386.
54. Jørn Stave, Gufu Oba and N. C. Stenseth, 2001, Temporal changes in woody-plant use and the *ekwar* indigenous tree management system along the Turkwel River, Kenya. *Environmental Conservation* 28: 150-159.
55. Gufu Oba, Eric Post, P.O. Syvertsen and N.C. Stenseth, 2000, Bush encroachment in relation to landscape and grazing in southern Ethiopia. *Landscape Ecology* 15:535-546.
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66. Gufu Oba, Eric Post, N. C. Stenseth and Walter J. Lusigi, 2000, Role of small ruminants in arid zone Environments: A Review on research perspectives. *Annals of Arid Zone*, 39: 305-332.
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71. Gufu Oba, Mengistu Z. and N. C. Stenseth, 2000, Aboveground dry-matter allocation in ungrazed and grazed stands of *Indigofera spinosa* in the arid zone of Turkana, Kenya. *Ecography* 23: 224-230.

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73. Gufu Oba and Eric Post, 1999, Browse production and offtake by free-ranging goats in arid zone, Kenya, *Journal of Arid Environments* 43:183-195.
74. Gufu Oba, 1998, Effects of goat herbivory on *Acacia tortilis* woodland around pastoralist settlements in northern Kenya, *Acta Oecologica* 19 : 395-404.
75. Gufu Oba 1995. The effects of controlled grazing on phytomass dynamics of the dwarf shrub *Indigofera spinosa* in arid Kenya, *Acta Oecologica* 16: 31-54.
76. Gufu Oba 1994, Responses of *indigofera* to simulated herbivory in a semi-desert northern Kenya *Acta Oecologica* 15: 105-117.
77. Gufu Oba 1992, Effects of controlled grazing on Degraded dwarf shrub, annual grass semidesert vegetation type of northwestern Kenya, *Land Degradation & Rehabilitation* 3: 199-213.
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