
CURRICULUM VITAE: DR OLAOTSWE ERNEST KGOSIKOMA

PERSONAL DETAILS

Surname:	KGOSIKOMA
Profession:	Ecology & Natural Resources Management
Nationality:	Motswana
Language Proficiency:	English, Setswana

CONTACT DETAILS

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KEY COMPETENCIES

- Environmental Impact Assessment
 - Research method and rural development
 - Adaptation to climate variability and change
 - Statistical Analysis (e.g. Minitab and SPSS)
 - Project planning, implementation, monitoring, and evaluation
 - Rangeland ecology
 - Ecosystem rehabilitation and management
 - Natural resource and environmental management
 - Livestock production systems particularly communal grazing
 - Highly competent in Microsoft applications such as: Word, PowerPoint, Excel, and use of internet.
 - Good oral and written communication skills
 - Ability to work well with stakeholders at all levels of the society
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EDUCATION AND PROFESSIONAL STATUS

Qualification	Institution	Year
PhD- Ecology & Resource Management	University of Edinburgh, Scotland	2008-2012
MSc – Management of Natural Resources & Sustainable Agriculture	University of Life Sciences , Norway	2004- 2006
BSc – Agricultural Sciences and Natural Resources (Animal Science)	Oklahoma State University, Stillwater, USA	1999- 2002

AWARDS AND ACHIEVEMENTS

- Commonwealth Scholarship 2008
 - Graduated with Cum Laude Honors at Oklahoma State University in 2002
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WORK EXPERIENCE

PRINCIPAL RESEARCHER & Program Leader

Department of Agricultural Research - Botswana (2003-current)

- Conduct research on interactions between climate change, rangeland and livestock production systems
- Conduct research on pasture production and provide technical support to farming community
- Leads the conceptual and proposal development on natural resource conservation and management.
- Leads and manage the Range and Pasture Program collaboration research activities and manage related resources including financial and human resources
- Provide technical support to government of Botswana on Climate Change Adaptation and related issues as a member of National Climate Change Committee.

TEACHING EXPERIENCE

- Teaching farming community on fodder production and sustainable rangeland management
- Prepare teaching material and deliver short courses on climate change and its associated impact on livestock industry

CONSULTANCY WORK

FAO: January 2019

- Develop Botswana's Expression of Interest for GEF 7 for the Sustainable Forest Management Impact Program

UNDP: August- June 2019

- Develop GCF concept note for building resilience in the agricultural sector in Botswana

UNDP: December 2017- August 2018

- Conduct rangeland and livestock vulnerability assessment and write the related chapter for Botswana Third National Communication to UNFCCC

GDSA/Conservation International :2016

- GCF Concept Note on Ecosystem and Livelihoods Resiliency: Climate Change Risk Reduction through ecosystem based adaptation in Botswana's communal grazing lands

Southern Africa Development Community (SADC): February 2015

- Knowledge synthesis of a key climate resilient practice in the smallholder livestock sector in Southern Africa

PROFESSIONAL SERVICES

- 2016- 2017; member of Technical Reference Group for Botswana GEF 6 application; “Managing the human-wildlife interface to sustain the flow of agro-ecosystem services and prevent illegal wildlife trafficking in the Kgalagadi and Ghanzi Drylands”
- 2014-2016: member of Technical Reference Group for Botswana Climate Change Policy

PEER-REVIEWED PAPERS

- Keneilwe Ruth Kgosikoma, Phatsimo Cotildah Lekota, **Olaotswe Ernest Kgosikoma**,(2018) "Agropastoralists' determinants of adaptation to climate change", International Journal of Climate Change Strategies and Management, <https://doi.org/10.1108/IJCCSM-02-2017-003>
- **Kgosikoma. O.E**, W. Mojeremane, and B.A. Harvie (2015). The impact of livestock grazing management systems on soil and vegetation characteristics across savanna ecosystems in Botswana. *African Journal of Range and Forage Sciences*. DOI. 10.2989/10220119.2015.1008042
- **Mogotsi. K**, N.F Monametsi and **O.E Kgosikoma**. 2015. Response of soil chemical attributes under cattle and goats mixed species grazing system in semi-arid Botswana. *Biological Forum-An International Journal* 7:1
- **Kgosikoma O.E**, N. Batisane.2014. Livestock population dynamics and pastoral communities adaptation to rainfall variability in communal lands of Kgalagadi South, Botswana. *Pastoralism: Research, Policy and Practice* 4:19
- **Kgosikoma O.E.**, Mogotsi K (2013) Understanding the causes of bush encroachment in Africa: The Key to effective management of savanna grasslands. *Tropical grasslands*,1
- **Kgosikoma. O.E**, W. Mojeremane, and B.A. Harvie (2013).Grazing management systems and their effects on savanna ecosystem dynamics: A review. *Journal of ecology and the Natural Environment* 5(6), 88-94.
- **Kgosikoma. O.E**, Mogotsi. K., Makhabu. S.W. (2012). Cattle productivity and Nutritional Limitation in the Semi-arid Makgadikgadi Region of Botswana. *Journal of Agriculture and Biodiversity Research*.1(7), 116-121.

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- **Kgosikoma. O.E,** W. Mojeremane, and B.A. Harvie.,(2012). Pastoralists' perception and ecological knowledge on savanna ecosystem dynamics in semi-arid Botswana. *Ecology & Society*.17,
 - **Kgosikoma. O.E,** W. Mojeremane, and B.A. Harvie., (2012). The influence of rangeland management systems on rangeland conditions under different environmental conditions, *Botswana. Botswana Journal of Agriculture and Applied Sciences*:8 (2), 75-82
 - **Kgosikoma. O.E,** B.A Harvie, and W. Mojeremane. (2012) Bush encroachment in relation to rangeland management systems and environmental conditions in Kalahari ecosystem of Botswana. *African Journal of Agricultural Research* 17, 2312-2319.
 - Makhabu. S.W. and **O. Kgosikoma**.2010. Grass species composition and quality in Makgadikgadi pans, an underperforming cattle region in Botswana. *Botswana Journal of Agriculture and Applied Sciences*.6 (3).136-143.

UNPUBLISHED PAPERS

- Understanding the savanna dynamics in relation to rangeland management systems and environmental conditions in semi-arid Botswana (2011); PhD thesis at the University of Edinburgh, Scotland.
- Influence of climate variability on livestock population dynamics and community drought management in Kgalagadi South, Botswana (2006); MSc thesis at the Norwegian University of Life Sciences, Aas, Norway.

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