

CURRICULUM VITAE



PERSONAL DATA

Name: Boniface Oluoch Oindo
Date and Place of Birth: 18th February 1965, Kisumu
Nationality: Kenyan
Marital Status: Married

Address: School of Environment and Earth Sciences
Maseno University, Private Bag, Maseno.
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EDUCATION AND ACADEMIC EXPERIENCE

1998 – 2001: UNIVERSITY OF WAGENINGEN AND ITC, NETHERLANDS
Qualification: Doctor of Philosophy

1996 - 1998: INTERNATIONAL INSTITUTE FOR GEO-INFORMATION SCIENCE
AND EARTH OBSERVATION (ITC), NETHERLANDS
Qualification: Master of Science in Rural Land Ecology Survey

1987 - 1990: UNIVERSITY OF NAIROBI
Qualification: Bachelor of Science, Upper 2nd Class Honours.

1985 - 1986: NJIIRI'S HIGH SCHOOL, MURANGA
Qualification: Advanced Level Certificate.

THESES

- M.Sc (1998), Analysis of transferability of species-environment models: A case study of topi.
- Ph.D. (2001), Spatial patterns of species diversity in Kenya.

EMPLOYMENT RECORD

November 12th 2013– Present

- Associate Professor in Department of Environmental Science, School of Environment and Earth Sciences, Maseno University.

April 1st 2009 – November 11th 2013

- Senior Lecturer in Department of Environmental Science, School of Environment and Earth Sciences, Maseno University. Appointed Director of the School from 7th June 2012.

August 19th 2003– March 31st 2009

- Lecturer in Department of Environmental Science, School of Environment and Earth Sciences, Maseno University. Appointed Director of the School from 7th June 2012.

Courses I have taught at Undergraduate degree programme

- Animal and plant Ecology, Forestry management and Agroforestry
- Biodiversity and Conservation, Wildlife Biology
- Remote Sensing and Geographical Information Systems
- Research Methods, Environmental Statistics

Courses I have taught at Postgraduate degree programmes

- Urban Environmental Management Issues, Research Methods
- Urban Environmental Application of GIS and EIA techniques
- Advanced Biogeography, Environmental information systems, Environmental System Analysis.

ADMINISTRATIVE RESPONSIBILITIES

7th June 2012 to present

- Appointed Dean, School of Environment and Earth Sciences

Responsibilities

- Chief administrative officer in the school
- Students admission
- Coordination of the operation of all the departments in the School
- Ensuring excellence in teaching, training and research
- Addressing staff appointments and promotions
- Overseeing the School budget.

17th February 2012 to 7th June 2012

- Appointed Coordinator in Kisumu Campus for the Academic programmes in the School of Environment and Earth Sciences, School of Development and Strategic Studies, and School of Planning and Architecture.

Responsibilities

- Coordination of students admission
- Coordination of the teaching and examinations

23rd January 2007 to 17th February 2012

- Appointed Programme Co-ordinator for the School of Environment and Earth Sciences Programmes at the Kisumu City Campus.

4th December 2006 to 7th June 2012

- Appointed Chairman, School of Environment and Earth Sciences, Postgraduate Studies Committee.

Responsibilities

- Coordination of students admission
- Coordination of the teaching and examinations
- Examination processing
- Supervisors' allocation and research proposals preparation and approval.

25th August 2008 to 30th September 2008

- Appointed Acting Director Kisumu City Campus

Responsibilities

- Chief administrative officer in the Campus
- Coordination of the operation in the Campus

POSTGRADUATE SUPERVISION

PH.D. DEGREE PROGRAMMES

Ph.D. in Planning

1. Factors influencing planning and implementation of male circumcision in HIV prevention in Nyando District, Kenya, by Alfreds F.X.O. Obure , **Graduated in 2009.**
2. The effect of changes in land use characteristics on accessibility in the suburbs of Kisumu City, Kenya, by Moses Kola. **Graduated in 2014.**

Ph.D. in Environmental Science

3. Analysis of community participation in the project cycle management of afforestation activities in river Nyando Basin, Kenya, by James N. Maraga, **Graduated in 2011.**
4. Compliance and Enforcement of Environmental policies on natural Resources in Uganda: A case of South Busoga Forest Reserve, by Alphonse Charles Otieno, **Graduated in 2012.**
5. An analysis of socio-demographic and economic determinants for estimating domestic solid waste generation and composition in urban estates in Kisumu City, Kenya, by Jenniffer Vera Atieno, **Graduated in 2018.**
6. Influence of planted riparian buffer vegetation cover and water quality on the benthic macro invertebrate assemblages in Kuyua River, Bungoma County, Kenya, by Joash Oruta, **Graduated in 2018.**

Ph.D. in Geography

7. Contribution of Ecosystem services to livelihoods in Kibwezi Sub-county, Makeni County, Kenya, by Irene Nzisa Mutavi, **Graduated in 2016.**

MASTERS DEGREE PROGRAMMES

Master of Science in Urban Environmental Planning and Management

8. Impact of sand harvesting on the environment in Usoma Beach of Winam Division, Kisumu Municipality, by Sween K.Nyongesa, **Graduated in 2009.**
9. The impacts of unplanned growth of Nyalenda informal settlement on environment and public health, Kisumu Municipality, by Alfred O. Ajulu, **Graduated in 2010.**
10. An assessment of the viability and potential of bamboo micro-enterprises in environmental conservation and poverty alleviation in Nairobi City, Kenya, by Asma Awadh, **Graduated in 2010.**
11. Assessment of community involvement in household solid waste management in the informal settlements of Kisumu Municipality, Kenya, by Stella Kamwasir, **Graduated in 2011.**
12. Assessment of community participation in environmental planning process of Kisumu Airport expansion project, Kisumu Municipality, Kenya, by Long'ora Albert Elim, **Graduated in 2011.**
13. Assessment of the sustainable utilization and management of papyrus (*Cyperus papyrus*) in Dunga wetland, Kisumu Municipality, Kenya, by Wekesa Wafula Amos, **Graduated in 2013.**
14. An assessment of sanitation situation and potential for applying public private partnership in its management in lower Migosi Estate, Kisumu City, Kenya, by Selelah Atieno Okoth, **Graduated in 2013.**

Master of Science in Environmental Science

15. An assessment of socio-economic factors influencing electronic waste management in Kisumu Central Business District, Kisumu City, Kenya, by John Odera Jaoko, **Graduated in 2016.**
16. Ecological factors influencing large herbivore distribution in Ruma National Park of Homa Bay County, Kenya, by Lukaria Kanyi Luke, **Graduated in 2016.**
- 17.

Master of Arts in Geography

18. Assessment of the effects of anthropogenic activities on terrestrial biodiversity conservation in Matayos Division of Busia County, Kenya, by Mutavi Irene Nzisa, PG/MA/002/2010, **Graduated in 2012.**
19. Alluvial deposits and their effects on the physical environment and socio-economic activities on the lower course of river Kuja, Nyatike Division, Nyatike District, Kenya by Millicent Anyango Odhiambo, **Graduated in 2012.**
20. Effects of rainfall variability on subsistence crop production in Kahangara Division of Magu District, Tanzania, by Alberto K. Agnes, **Graduated in 2013.**
21. An analysis of domestic water supply and demand in Muleba District, Kagera Region, Tanzania, by Mujwahuki K. Felician, **Graduated in 2013.**
22. Effects of brick making activities on the biophysical and socio-economic environment of Vihiga County, Kenya, by Petronillah Shumila Mutenyi, **Graduated in 2013.**
23. Effects of *epigeal termitaria* physiography on vegetation lifeforms density in Katolo Sub-location, Kisumu County, Kenya, by Wckliffe Agumba Oluoch, **Graduated in 2018**

Master of Arts in Project Planning and Management

24. Environmental impacts and challenges associated with Arombo Rice smallholder irrigation scheme in Nyando District, Kenya, by Leopold O.Asawo, **Graduated in 2009.**
25. Millennium village projects and food security in Kenya: A case of Sauri Sub-location in Siaya District, by Miriam T. Mbuvi, **Graduated in 2009.**
26. An assessment of the impact of Community based Organizations projects supported by Plan International in Kisumu West District, Kenya, by Godfrey M. Kigochi, **Graduated in 2012.**

27. The role of rural finance in improving livelihoods of small scale farmers: A case study of SCC-VIA Agroforestry's community saving and empowerment project in Nyando District, Kenya, by Rachel Wangu Mutua, **Graduated in 2012.**
28. Evaluating socio-economic factors that influence poverty reduction among the Fisher Folk in Suba District, Kenya, by Meshack Okoth Makongoso, **Graduated in 2012.**
29. The impact of Government sponsored cash transfer on orphans and vulnerable children in South West Alego Location, Siaya District, Kenya, by Samson Onyango Wambisa, **Graduated in 2012.**
30. The impact of HIV and AIDS on public Primary School Education and it's implication on planning interventions in Rarieda Division, Rarieda District, Kenya, by Odera Walter Okore, **Graduated in 2013.**
31. Socio-economic impact and coping strategies of the integrated internally displaced persons due to the Kenya post election violence of 2007/2008 in Ukwali Division, Siaya County, Kenya, by Elzeba Awando, **Graduated in 2013.**
32. Factors influencing decision by small and medium enterprises managers to adopt information and communication technology in Central Business District, Kisumu City, Kenya, by Rajab Mohammed Mzee, **Graduated in 2013.**
33. The effect of community policing programme on security in Obunga and Nyalenda Informal Settlements in Kisumu City, Kenya, by John Kiprotich Cheruiyot, **Graduated in 2013.**
34. Assessing the social and economic outcomes of the projects funded by Western Kenya community driven development and flood mitigation project in Yiro West Community, Siaya County , Kenya, by Angel Akumu Sewe, **Graduated in 2014.**
- 35.

Master of Arts in Social Development and Management

36. The role of households in domestic waste management in Nyalenda informal settlement, Kisumu Municipality, Kenya, by Hope Aluoch Okuthe, **Graduated in 2012.**
37. The impact of tobacco farming on household food security in Angurai Division, Busia County, Kenya, by Anne Chepkurui, **Graduated in 2012.**

PUBLICATIONS

Papers in Peer-refereed International Journals

1. Oluoch, W.A., **Oindo, B.O.** and Abuom, P. (2017), Effects of Locations On- and Off-Epigeal Termitaria on Vegetation Lifeforms in Katolo Sub-Location of Kisumu County, Kenya. *Scientific Research Journal* V(XII): 74–83.
2. Oruta, J.N., **Oindo, B.O.** and Bosire, E. (2017), Relationship between water quality indicators and benthic macroinvertebrate assemblages in the Kuywa River, Kenya. *Researchjournal's Journal of Ecology*, 4(1):1–22.
3. Atieno, J.V., **Oindo, B.O.** and Bosire, E. (2017), Modeling Household Solid Waste Generation in Urban Estates Using Socio-Economic and Demographic Data, Kisumu City, Kenya. *Scholars Journal of Arts, Humanities and Social Sciences* 5(5):468-477.
4. Atieno, J.V., **Oindo, B.O.** and Bosire, E. (2017), Effects of Socio-economic and Demographic Factors on Household Solid Waste Generation in Selected Urban Estates in Kisumu City, Kenya. *The international journal of humanities & social studies*, 5(3): 29–38.

5. Jaoko, J.O., **Oindo, B.O.** and Abuom, P. (2016), Factors Influencing Willingness to Recycle E-Waste in Kisumu City Central Business District, Kenya. *International Journal of Recent Research in Interdisciplinary Sciences*, 3(4): 1–9.
6. Otuoma J., Anyango B., Ouma G., Okeyo D., Muturi G. M. and **Oindo B.** (2016) Determinants of aboveground carbon offset additionality in plantation forests in a moist tropical forest in western Kenya. *Forest Ecology and Management* 365, 61–68.
7. Mutavi, I., **Oindo, B.O.** and Bosire, E. (2015), Influence of Plant Species Richness on Rural Livelihoods in Kibwezi District of Makueni County, Kenya. *The international journal of humanities & social studies*, 3(10): 213– 228.
8. Mutavi, I., **Oindo, B.O.** and Bosire, E. (2015), Influence of Water Availability on Food Crop Production in Semi-Arid Areas in Kibwezi District, Makueni County, Kenya. *Scholars Journal of Arts, Humanities and Social Sciences* 3(8B):1332-1343.
9. Kodiwo, M., **Oindo, B.O.** and Angawa, F. (2014), Intensity of Farmland Cultivated and Soil Bulk Density in Different Physiographic Units in Nyakach District. *IOSR Journal of Humanities and Social Science*, 19(1):86–89.
10. Kodiwo, M., **Oindo, B.O.**, Angawa, F. and Bosire, K.E. (2014), Effects Of Physiographic Units On The Relationship Between Cropping Frequency And Level Of Soil Erosion In Nyakach District, Kenya. *International journal of scientific & technology research*, 3(2): 31–37.
11. Otieno, A.C., Kapiyo, R.A., **Oindo, B.O.** and Buyinza, M. (2012), Local communities and compliance with the forestry policy: Perspective from South Busoga Central Forest Reserve, Muyage District, Eastern Uganda. *Research Journal of Applied Sciences*, 7(8): 397–408.
12. Otieno, A.C., Kapiyo, R.A., **Oindo, B.O.** and Buyinza, M. (2012), Government regulatory system and compliance with forestry policy in South Busoga forest Reserve, Mayuge District, Uganda. *Environmental research Journal*, 6(4): 293–303.
13. Kola, M.O., Onyango, G.M. and **Oindo, B.O.** (2012), The status of public transportation in unplanned suburbs of Kisumu Municipality, Kenya. *International Journal of Arts and Commerce*, 1(1): 14–34.
14. Kola, M.O., Onyango, G.M. and **Oindo, B.O.** (2012), Factors determining land use development in the unplanned suburbs of Kisumu Municipality, Kenya. *International Journal of Arts and Commerce*, 1(1): 35–57.
15. Otieno, A.C., Kapiyo, R.A., **Oindo, B.O.** and Buyinza, M. (2012), Politician and the enforcement of the Uganda forestry policy 2001: Lessons from South Busoga Central Forest Reserve, Mayuge District, Eastern Uganda. *Environmental research Journal*, 6(3): 217–227.
16. Otieno, A.C., Kapiyo, R.A., **Oindo, B.O.** and Buyinza, M. (2012), Uganda National Forestry Authority and enforcement of forestry policy 2001: A case of South Busoga Forest Reserve, Mayuge District, Eastern Uganda. *Environmental research Journal*, 6(3): 206–216.
17. Otieno, A.C., Kapiyo, R.A., **Oindo, B.O.** and Buyinza, M. (2012), Compliance and enforcement of environmental policies on natural resources in Uganda: Perspectives from South Busoga Forest Reserve. *Environmental research Journal*, 6(2): 81–93.
18. Maraga, J.N., Kibwage, J.K., **Oindo, B.O.** and Oyunge, D.O. (2011), Community participation in the project cycle of afforestation projects in River Nyando basin, Kenya. *International Journal of Current Research*, 3(9): 054–059.
19. Obure, A.F.X.O, Nyambedha, E.O. and **Oindo, B.O.** (2011), Interpersonal influences in the scale-up of male circumcision services in a traditionally non-circumcising community in rural western Kenya. *Global Journal of Community Psychology Practice*, 1(3): 1–11. Website: <http://www.gicpp.org/>

20. Maraga, J.N., Kibwage, J.K. and **Oindo, B.O.** (2010), Factors determining community participation in afforestation projects in River Nyando basin, Kenya. *African Journal of Environmental Science and Technology*, 4(12): 853–859.
21. Obure, A.F.X.O, Nyambedha, E.O., **Oindo, B.O.** and Koderu, H.M.N. (2009), Psychosocial factors influencing promotion of male circumcision for HIV prevention in a non- circumcising community in rural western Kenya. *The Qualitative Report*, 14(4): 666–668.
22. **Oindo, B.O. (2008)**, Understanding the relationship between environmental energy availability and Bird species richness in Kenya using remote sensing and ancillary data. *The Open Remote Sensing Journal 1*: 1–6.
23. **Oindo, B.O. (2008)**, Predicting mammal species richness from remotely sensed data at different spatial scales. *The Open Remote Sensing Journal 1*: 7–16.
24. Kibwage, J.K. Netondo, G.W., Oondo, A.J. **Oindo, B.O.**, Momanyi, G.M., and Jinhe, F. **(2008)**, Growth performance of bamboo in tobacco-growing regions in South Nyanza, Kenya. *African Journal of Agricultural Research* 3(10):716–724.
25. **Oindo, B.O.**, Skidmore, A.K. and De Salvo P., **(2003)**, Mapping habitat and biological diversity in the Maasai Mara ecosystem. *International Journal of Remote Sensing* 24(5): 1053–1069.
26. **Oindo, B.O.** and Skidmore, A.K. **(2002)**, Interannual variability of NDVI and species richness in Kenya. *International Journal of Remote Sensing* 23(2): 285–298.
27. **Oindo, B.O. (2002)**, Predicting mammal species richness and abundance using multi-temporal NDVI. *Photogrammetric Engineering & Remote Sensing* 68(6): 623–629.
28. **Oindo, B.O. (2002)**, Body size and measurement of species diversity in large grazing mammals, *African Journal of Ecology* 40: 267–275.
29. **Oindo, B.O. (2002)**, Patterns of herbivores species richness and current ecoclimatic stability. *Biodiversity and Conservation* 11:1205–1221.
30. **Oindo, B.O.**, Skidmore, A.K. and Prins, H.H.T. **(2001)**, Body size and abundance relationship: An index of diversity for herbivores. *Biodiversity and Conservation* 10: 1923–1931.
31. **Oindo, B.O.**, deBy R.K., and Skidmore, A.K., **(2001)**, Environmental factors influencing bird species diversity in Kenya, *African Journal of Ecology* 39(3): 295–301.
32. **Oindo, B.O.**, deBy R.K., and Skidmore, A.K., **(2000)**, Interannual variability of NDVI and bird species diversity in Kenya, (*International Journal of Applied Earth Observation & Geoinformation*, Vol. 2-Issue ¾.

REFEREES

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