

## ESNAH KERUBO BOSIRE

Department of Environmental Science  
Maseno University, Kisumu-Busia Road  
P.O. Box 333-40105,  
Maseno, Kenya

Phone: +254-722446693  
Email: [bosireek@gmail.com](mailto:bosireek@gmail.com)

### EDUCATION

Doctor of Philosophy (Rural Economics and Cooperation) 1996-1999  
Dr. Bhim Rao Ambedkar University, U. P.,

Master of Arts in Rural Economics and Cooperation, 1993-1995  
Agra University, U.P.

Bachelor of Arts (Economics), 1990-1993  
B. V. R.I Bichpuri, Agra University

### RESEARCH EXPERIENCE

#### POSTGRADUATE SUPERVISION

##### Doctor of Philosophy in Environmental Science

1. An Analysis of Socio-economic and Demographic Determinants for Estimating Solid Waste Generated in Households in Kisumu City, Kenya, by Jenniffer Vera Atieno, PG/PHD/0094/2012. **Graduated in 2018.**
2. Influence of Planted Riparian Buffer Vegetation Cover and Water Quality on the Benthic Macroinvertebrate Assemblages in Kuywa River, Bungoma County, Kenya, by Joash Oruta Nyakora PHD/NES/ 00008/2014. **Graduated in 2018.**

##### Doctor of Philosophy in Geography and Natural Resources Management

3. Contribution of Ecosystem Services to Livelihoods in Kibwezi Sub-County of Makueni County, Kenya, by Irene Nziza Mutavi /PHD/0026/2013. **Graduated in 2017.**

##### Master of Science in Environmental Science

4. Effects of Drought Dynamics on Vegetation Cover in Marigat Sub-County, Baringo County, Kenya, by Rose C. Kosonei PG/ MSC/0081/2012. **Graduated in 2017.**
5. The Level of Awareness and Coping Strategies on the effect of Climate Change Markers in Upper Nyakach Division, Kisumu County, Kenya, by Ajuang Chardwick Odhiambo PG/MSC/2011. **Graduated in 2015.**

##### Master of Science in Urban Environmental Planning and Management

6. Impact of Sand Harvesting on the Environment in Usoma Beach of Winam Division, Kisumu Municipality, Kenya, by Sween K. Nyongesa, PG/MSC/0064/2005. **Graduated in 2010.**
7. The Impacts of Unplanned growth of Nyalenda Informal Settlement on Environment and Public Health in Kisumu Municipality, Kenya, by Alfred O. Ajulu, PG/MSC/0021/2006. **Graduated in 2010.**
8. Assessment of Utilization and Management of Papyrus (*Cyperus papyrus*) in Dunga Wetland, Kisumu Municipality, Kenya, Wekesa Wafula Amos, PG/MSC/029/2004. **Graduated in 2013.**

## **Master of Arts in Urban Planning and Management**

9. Impact of Sex and HIV Education Programmes on Sexual Behaviours among School going Youths in Usingu Division, Bondo District, Kenya, by Munyaka Lawrence Nduva, PG/MA/2006. **Graduated in 2011.**

## **TEACHING EXPERIENCE**

**9<sup>th</sup> March, 2010 – present.**

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

**22<sup>nd</sup> September, 2003 – 8<sup>th</sup> March, 2006.**

- Assistant Lecturer in the Department of Environmental Science, School of Environment and Earth Sciences, Maseno University.

## **PROFESSIONAL MEMBERSHIP**

- Gender Committee member whose responsibilities were to tackle all gender issues pertaining to the University, including formulation of the Gender Policy for the University.
- Catchment Area Advisory Committee (CAAC) member, Lake Victoria South Catchment. (Water Resources Management Authority), Ministry of Water and Irrigation-**2005 to 2008**

## **SKILLS AND TRAINING**

- Certificate of accomplishment of Advanced Research Design Course in: (DSI, CPER, MMS & ESSR)
- Certificate of accomplishment of Comparative Case Analysis.
- Certificate of accomplishment of Engendering Research in Social Science.

## **LEADERSHIP EXPERIENCE**

**18<sup>th</sup> June, 2012 to January, 2019.**

- Chairperson, School of Environment and Earth Sciences Post Graduate Studies Committee. **2005 – 2010.**
- Timetable and Examination Coordinator, Department of Environmental Science.

## **CONFERENCES AND WORKSHOPS**

- Advanced Research Design Course in (DSI, CPER, MMS & ESSR)
- Comparative Case Analysis.
- Engendering Research in Social Science.

## **PUBLICATIONS**

1. Atieno, J. V., Oindo, B. O. and **Bosire, E. K.** (2017), Modeling Household Solid Waste Generation in Urban Estates using Socio-Economic and Demographic Data in Kisumu City, Kenya. Scholars Journal of Arts, Humanities and Social Sciences, 5 (5): 468-477.
2. Onyango, G. O, **Bosire E. K.**, Akala, B. and Otieno, W. A. (2017), Influence of Physiochemical Parameters on Fishing Efforts among Fisher Folks in Kisumu Municipality, Kenya. The Cradle of Knowledge African Journal of Educational and Social Science Research, Volume 5 No. 2 ISSN 2304-2885.
3. Kosonei, R. c., Abuom, P. O., **Bosire, E., K.** and Huho, J, M. (2017), Effect of Drought Dynamics on Vegetation Cover in Marigat Sub- County, Baringo County, Kenya. International Journal of Scientific and Research Publications, Volume 7, Issue 5.

4. Atieno, J. V., Oindo, B. O. and **Bosire, E. K.** (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*, Vol. 5 Issue 3.
5. Oruta, J. N., Oindo, B. O. and **Bosire, E. K.** (2017), Relationship between Water Quality Indicators and Benthic Macro invertebrate Assemblages in the Kuywa River, Kenya. *Research Journal's Journal of Ecology*, Vol. 4 No. 1.
6. Oruta, J. N., Oindo, B. O. and **Bosire, E. K.** (2017), Relationship Between Riparian Vegetation Cover and Macroinvertebrate Assemblages in Kuywa River, Kenya. *Research Journal's Journal of Ecology*, Vol. 4 No. 1.
7. Onyango, G. O, **Bosire E. K.**, Akala, B. and Otieno, W. A. (2017), Influence of Dissemination Channels on Utilization of Research Findings in the Management of Environment and Fisheries by the Fisher folks in Kisumu Municipality, Kenya. *IOSR Journal of Environmental Science, Toxicology and Food Technology*. Volume 11, Issue: 1 Ver. II, PP 18-29.
8. Onyango, G. O, **Bosire E. K.**, Akala, B. and Otieno, W. A. (2017), Influence of Socio-economic Factors on Utilization of Research Findings among the Fisher Folks in Kisumu Municipality, Kenya. *IOSR Journal of Environmental Science, Toxicology and Food Technology*. Volume 11 Issue: 1 Ver. II, PP 30-38.
9. Ajuang, C. O., Abuom. P. O., **Bosire, E. K.**, Dida, G. O. and Anyona, D. N. (2016), Determinants of climate change awareness level in Upper Nyakach Division, Kisumu County, Kenya. *SpringerPlus*, 5: 1015
10. Mutavi, I., Oindo, B. O. and **Bosire, E. K.** (2015). Influence of Water Availability on Food Crop Production in Semi Arid Areas in Kibwezi District, Makueni County, Kenya. *International Journal of Arts, Humanities and Social Sciences*. 3(8B): 1332-1343.
11. Mutavi, I., Oindo, B. O. and **Bosire, E. K.** (2015). Influence of Plant Species Richness on Rural Livelihoods in Kibwezi District of Makueni County, Kenya. *Journal of Humanities and Social Studies*. ISSN: 2321-9203 Vol 3 Issue 10.
12. **Bosire, E. K.** and Sharma, P. K. (2014), Employment and Income Generation from Dairy Enterprise under Dairy Cooperatives in Nakuru District, Kenya. *Radix International Journal of Research and Social Science*, 3(7): 1-10.
13. Odondo, A. J., Mukras, M. S., Momanyi, G. and **Bosire, E. K.** (2014), Determinants of Sweet Potatoes (*Ipomoea batatas* L) Profitability in Rachuonyo South District, Kenya. *International Journal of Managerial Studies and Research*. 2(4): 48-60
14. Anyona, D. N., Abuom, P. O., Dida, Gelder, F. B., G. O., Onyuka, J. O., Ally, S. M., Kanangire, C. K., **Bosire, E. K.**, Oindo, B. O., Owuor, P. O. and Ofulla, V. A. (2014), Effects of Anthropogenic Activities on Physio-chemical Parameters and Benthic Macroinvertebrates of Mara River Tributaries, Kenya. *Merit Research Journal of Environmental Science and Toxicology* 2(5):098-109.
15. Kodiwo, M.O., Oindo, B.O., Ang'awa, F.O. and **Bosire, E.K.** (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.

16. Owiti, D. O., Kapiyo, R. A. and **Bosire, E. K.** (2013), Status of the Sondu Miriu River fish species diversity and fisheries: Sondu Miriu Hydro-Power Project (SMHPP) operations. *Journal of Ecology and the Natural Environment*, 5(8): 181-188.