


DR. BERNARD K. KIRUI, PHD

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1.0 EDUCATION

2012	Post-doc Fellow - Mangrove Ecology	University of Dar es Salaam, Tanzania
2008	Ph.D., Mangrove Ecology	Edinburgh Napier University, UK
2004	MSc, Natural Resource Management	Egerton University, Kenya
2000	B.Sc. Environmental Science	Kenyatta University, Kenya

2.0 FIELDS OF SPECIALIZATION

Forest Ecology, Intertidal Ecology (Mangroves), Biodiversity and Ecosystem function,

3.0 WORK EXPERIENCE

May 2015- Present	Chair- Department of Natural Resources, Egerton University
Feb. 2013- Present.	Lecturer: Department of Natural Resources, Egerton University.
June 2009-Feb.2013	Research Officer, Kenya Marine and Fisheries Research Institute.
July 2004- July 2010	Co-Principle Investigator: Earth-watch Mangrove forests of Kenya Expedition Project

4.0 KEY RESEARCH PROJECTS

2013 - 2015	Biodiversity loss effect on mangrove forest provisioning of goods and services ; Case Study of Tana River Delta, Kenya . Funded by International Foundation for Science (IFS)
2011-2012	Effects of Climate change related factors on mangrove forest provisioning of goods and services ; Case Study of Tana River Delta, Kenya. Funded by Africa Climate Change Fellowship Programme (ACCFP)
2005-2007	Biodiversity and recovery of ecosystem functions in replanted mangroves at Gazi bay Kenya. Funded by Western Indian Ocean Marine Science Association <u>MARG 1</u>

5.0 RECENT SELECTED PUBLICATIONS

1	Tarus, G. Kirui, K.B. Obwoyere, G.O. Impacts of Forest Management on Soil Carbon Fluxes in Eastern Mau Forest, Kenya. <i>Africa Journal of Ecology</i> . DOI: 10.1111/aje.12571
2	Wambugu, E.W., G.O Obwoyere, Kirui, B. K. , (2018). Effect of forest management approach on household economy and community participation in conservation: A case of Aberdare Forest Ecosystem, Kenya. <i>International Journal of Biodiversity and Conservation</i> 10 (4), 172-184
3	Wekesa, C. E.K. Maranga, Kirui, B.K. , G.M. Muturi, M Gathara. (2018). Interactions between native tree species and environmental variables along forest edge-interior

gradient in fragmented forest patches of Taita Hills, Kenya. *Forest Ecology and Management* 409, 789-798

6.0 COURSES CURRENTLY TEACHING

Course Code	Course Title
NARE 841	Analytical Methods in Research
GEOG 703	Quantitative techniques in geography
NARE 700	Seminar on natural resources Management
NARE 445	Management of Aquatic ecosystems
NARE 104	Introduction to Conservation Management

7.0 POSTGRADUATE SUPERVISION (to completion)

S/No	Name	Thesis title	Level	Graduating year
1	Simon Macharia	Fishery Stock assessment in the Eastern Rift Valley Freshwater Lakes (Naivasha and Baringo) in Kenya	PhD	2015
2	Wambugu Elizabeth	Evaluation of Ecosystem services and Socio-economic Factors to Enhance Community Participation in Forest Management in Arberdare Forest, Kenya'	PhD	2017
3	Wekesa Chemuku	Effects Of Forest Fragmentation On Forest Cover Change, Tree Species Diversity And Carbon Stock In Taita Hills	PhD	2018
	Abraham Barsosio	Effects Of Mining On Composition, Diversity And Local Uses Of Woody Vegetation In Kerio Valley, Kenya	Msc	2015
5	Doris Cherop	An Assessment Of Socioeconomic Factors And Ecology Of Fishery In Lake Baringo	Msc	2017
6	Geroge Tarus	Comparison Of Soil Carbon Stocks And Fluxes In Different Management Regimes In Eastern Mau Forest Reserve, Kenya	Msc	2017
5	Beryl Achieng' Obodi	The Ecology Of Ombeyi Wetland And Livelihood Dynamics Of The Local Communities In Nyando Sub County	Msc	2018
7	Marlyn Omondi	Local Governance Systems, Attitudes And Perceptions Supporting Management Of The Mangrove Ecosystem In Vanga, Kenya	Msc	2016
8	Lilian Mwangeli	Evaluation of Personal Protective Equipment Utilization in Construction Industry in Mombasa County	Msc	2016

9	Caroline Busuru	Propagation And Regeneration Of The African Cherry, <i>Prunus Africana</i> (Hook.F.) Kalkm. In Kakamega Forest Kenya	Msc	2018
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Recent Professional training courses attended

16th-20th April 2018.	Synthetic Aperture Radar (SAR) for Mapping of Forest Degradation and Deforestation. Regional Center for Remote Sensing and Resource Survey. Nairobi Kenya.
5th – 7th March, 2018	Professional Development Course on Ecosystem Services for Poverty Alleviation. Kenyatta University. Nairobi, Kenya
27th - 30th July 2015	Regional training on Remote Sensing and GIS in Coastal and Marine Ecosystems Management (Kenya, Tanzania, Mozambique and Madagascar). Regional Center for Remote Sensing and Resource Survey. Nairobi Kenya.