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EDUCATION

Qualification	Field of Study	Institution	Country	Period
Postdoc	Environmental Geochemistry & Toxicology	Arkansas State University	USA	2007-2008
Ph.D.	Environmental Geochemistry & Toxicology	Arkansas State University	USA	2003-2006
M.Sc.	Environmental Science	UNESCO-IHE, Delft	Netherlands	1998-1999
PGD	Limnology & Wetland Ecosystems	Austrian academy of Sciences	Austria	1998
B.Sc.	Natural Resources Management	Egerton University	Kenya	1990-1995
KCSE		Kisii High School	Kenya	1986-1989

EMPLOYMENT /PROFESSIONAL EXPERIENCE

PERIOD	POSITION	DEPARTMENT AND INSTITUTION
May 2017- Present	Director	Dryland Research Training and Ecotourism Centre, Chemeron, Egerton University
2011-April 2017	Coordinator	Dryland Research Training and Ecotourism Centre, Chemeron, Egerton University
2013 – Present	Senior Lecturer	Department of Environmental Science, Egerton University, Kenya
2009-2013	Lecturer	Environmental Sciences Department, Egerton University, Kenya.
1999-2009	Assistant Lecturer	Departments of Natural Resources, and Environmental Science, Egerton University, Kenya.
2006-2008	Post-Doctoral Researcher and Visiting Assistant Professor	Department of Chemistry and Physics at Arkansas State University at Jonesboro.
2004-2005	Instructor	Chemistry Department, Arkansas State University.

2003-2004	Graduate Research Assistant	Environmental Sciences Program, Arkansas State University.
2002	Research Assistant	Research Assistant in Pan African START Project on Tropical Freshwater Ecosystems, Lake Naivasha, Kenya
1999	Research Assistant	RITRODAT Project in Lunz Biological Station, Austrian Academy of Sciences, Austria.
1999	Research Assistant	MAB Wetlands Project at Trebon Wetland Training Center, Czech Republic
1996-1999	Graduate Teaching Assistant	Department of Natural Resources, Egerton University, Kenya

SUCCESSFULLY SUPERVISED POST-GRADUATE STUDENTS

S/N	Name	Level	Title of M.Sc./PhD Thesis	Year of Graduation
1	Aaron G. Misati	M.Sc.	Assessment Of Water Quality And The Use Of Sanitary Surveys In Complementing Water Testing Programs In Kisii County	2017
2	Daisy C. Moso	M.Sc.	Assessment of the Effects of Climate Variability on Pastoralism and the Adaptation Strategies in Turkana Central Sub-County, Kenya	2016
3	Alice Jebiwott	M.Sc.	Forest Cover Change And Ecosystem Services Of Katimok Forest Reserve, Baringo County, Kenya	2016
4	Fortinat T. Mwanyika	M.Sc.	An Assessment Of Efficiency Of Heavy Metals Removal By A Constructed Wetland System At Egerton University, Kenya	2016
5	Kimani Edward W.	PhD	Indigenous Agro-Pastoral Based Livelihoods Coping Strategies For Adaptation To Climate Change In Baringo County, Kenya	2015
6	Nyamao Wycliff N.,	M.Sc.	Carbon emissions from degraded mangroves of Tudor and Mwache creeks, Mombasa, Kenya.	2015
7	Awuor A. Loureen	M.Sc.	The facilitation role of sea blight (<i>Suaeda monoica</i>) in regeneration of degraded mangroves at Mwache creek, Kenya	2015
8	Mbuthia Judy W.	M.Sc.	Heavy Metal Concentrations in Water, Sediments and Common Carp (<i>Cyprinus carpio</i>) Fish Species from Lake Naivasha, Kenya.	2015
9	Koskey Judy C.	M.Sc.	Influence of Anthropogenic Activities on Water Quality and Heavy Metal Concentrations in Lake	2015

			Baringo, Kenya.	
10	Mugambi Munene,	M.Sc.	An Assessment Of The Influence Of Energy Sources And Household Socioeconomic Characteristics On The Prevalence Of Acute Respiratory Infections Among Children In Nakuru Town, Kenya	2015
11	Lilian M. Mugi,	M.Sc.	Carbon Stocks of the Mangrove Forest in Mwache Creek, Mombasa, Kenya	2014
12	Atieno O. Zablon,	M.Sc.	An Assessment of Factors that Determine Utilization of Health Care Facilities For Antenatal Care In Kabondo Division, Homabay County, Kenya	2014
13	Karanja W. Dorcas	M.Sc.	Assessment of the Restoration Potential for <i>Cyperus Papyrus</i> L. on the Shores of Lake Naivasha, Kenya	2014
14	Kaino J. Joyce M.Sc.	M.Sc.	Structure, Biomass and Cover Change of a Peri-urban Mangrove Ecosystem in Kenya: A case study of Mwache Creek	2013
15	Wangui J. Veronicah,		Assessment of the Water Resource Users Association in Water Management and Conservation in the Upper Catchment of Lake Bogoria Basin, Kenya	2013
16	Koech Henry,	M.Sc.	An Assessment of The Effects of Slaughter-House Physico-Chemical Characteristics of Surface Water Kavuthi Stream, Dagoretti- Kenya	2010
17	Kimani Edward W.	M.Sc.	A Comparative Study Of Urban And Peri-Urban Dairy Farming And Its Social Environment And Policy Implications –A Case Of Nakuru Municipality, Kenya	2010
18	Leonette Cox	M.Sc.	Black shale weathering contribution to stream chemistry using end-member mixing analysis	2008
19	Jaimie Conrad	M.Sc.	Uptake and impacts of trace metals on Crayfish in the Shale-draining streams in north-central Arkansas	2008

NOTE: I AM ALSO CURRENTLY SUPERVISING FIFTEEN M.SC. AND FOUR PHD STUDENTS WHO ARE AT VARIOUS STAGES OF THEIR RESEARCH WORK.

ARTICLES PUBLISHED AS BOOK CHAPTERS

- Ogendi, G.M.**, Morara, R.K. & Olekaikai, N.K.W. **2012**. The Influence of Westernization on Water Resources Use and Conservation among the Maasai People of Kenya. Klaver I and Johnstone, B. (Eds). *Water, Cultural Diversity & Global Environmental Change: Emerging Trends, Sustainable Futures?* UNESCO-IHP Water and Cultural Diversity initiative. Springer Publishers, p141-143.
- Ogendi, G. M.**, Kilonzi, C.M & Morara, R.K. **2012**. Sand dams and plant indicators: Indigenous Knowledge in Water Resource Use and Management among the Kamba People, Kenya . Klaver I and Johnstone, B. (Eds). *Water, Cultural Diversity & Global Environmental Change: Emerging Trends, Sustainable Futures?* UNESCO-IHP Water and Cultural Diversity initiative. Springer Publishers, p137-147.
- Ogendi G. M.** and Ong'oa I.M., **2009**. A comparative study of water accessibility, use, and conservation among children in selected sites of Kenya and the United States of America. "YOUNG PEOPLE, EDUCATION, AND SUSTAINABLE DEVELOPMENT: EXPLORING PRINCIPLES, PERSPECTIVES, AND PRAXIS" Edited by Corcoran P and McOsano P. Pages 215 – 221.
- Ogendi, G.M.**, Farris, J.L. and Hannigan, R.E. **2007c**. Association of dissolved organic carbon with stream discharge and dissolved metals in black-shale-draining. *In* Sarkar, D., R. Datta, and R. Hannigan (Eds.), Concepts and Applications in Environmental Chemistry: Developments in Environmental Science, Vol. 5:249-274.
- Cox, L., **Ogendi, G.M.**, and Hannigan, R.E. **2007**. Black shale weathering contribution to stream chemistry using end-member mixing analysis. *In* Sarkar, D., R. Datta, and R. Hannigan (Eds.), Concepts and Applications in Environmental Chemistry: Developments in Environmental Science, Vol. 5:721-774.

RESEARCH ARTICLES IN PEER-REVIEWED JOURNALS

OKULLO J.O., MOTURI W.N. & OGENDI G.M. (2017).
OPEN DEFACATION AND ITS EFFECTS ON THE

BACTERIOLOGICAL QUALITY OF DRINKING
WATER SOURCES IN ISIOLO COUNTY,
KENYA. *JOURNAL OF ENVIRONMENTAL HEALTH
INSIGHTS*. 11:1-8. [HTTP:WWW.DOI.
10.1177/1178630217735539](http://www.doi.org/10.1177/1178630217735539)

- Kurui E.J, **Ogendi G.M** & Moturi W.N.(2017). Microbial Contamination of water pans in Baringo County. *Journal of Water Sanitation and Hygiene for Development*. (485-494). [http://www.doi: 10.2166/washdev.2017.258](http://www.doi.org/10.2166/washdev.2017.258).
- Masakha E.J., Moturi W.N. and **Ogendi G.M.** (2017). Microbiological Water Quality of Urban Streams and the Health Implications: Case Study of Sosiani River Eldoret Municipality, Kenya. *Journal of Environment and Earth Science*, 7 (6): 5-13
- Misati A.G., **Ogendi G.M.**, Peletz R, Khush K. and Kumpel E. 2017. Can Sanitary Surveys Replace Water Quality Testing? Evidence from Kisii, Kenya. *Int. J. Environ. Res. Public Health* 2017, 14, 152; doi: 10.3390/ijerph14020152
- Masakha E.J., Moturi W.N. and **Ogendi G.M.** (2017). Spatial temporal Distribution of

Selected Heavy Metals in an Urban Stream: Case Study of Sosiani River in Eldoret Municipality Kenya. *Journal of Natural Sciences Research*, 7 (12): 67-74

- Ochieng' R.O., Bebe B.O. & Ogendi G.M. 2017: Rainfall Variability and Droughts in the Drylands of Baringo County, Kenya. *Open Access Library Journal*. Vol 4. DOI:10.4236/oalib.1103827
- Masakha E.J., Moturi W.N. and **Ogendi G.M.** (2017). Seasonal and Longitudinal variations of Water Quality in an Urban Stream: Case Study of Sosiani River Uasin Gishu County, Kenya. *Journal of Natural Resources Development and Management*, 33:1-8
- Moso D.C., **Ogendi G.M.** Makindi S.M. and Maina G.M. 2016. Rainfall Variability Effects on Pastoral Pasture Availability in Turkana Central Sub-County, Kenya. *Journal of Scientific Research & Reports*. 11:1-9
- Jebiwott A., **Ogendi G.M.**, Makindi S.M, and Esilaba M.O. 2016. Drivers of Forest Cover Change and Indicators of Climate Change in Katimok Forest Reserve. *Imperial Journal of Interdisciplinary Research (IJIR)* Vol-2, Issue-11, 2016.
- Mwanyika, F.T., **G. M. Ogendi** and J. K. Kipkemboi. 2016. Removal of heavy metals from wastewater by a constructed wetland system at Egerton University, Kenya. *Journal of Environmental Science, Toxicology and Food Technology* 10:15-20.
- Munene M., Moturi W.N. & **Ogendi G.M.** 2015. The Impact of Household Indoor Socioeconomic Factors on the Presence of ARI among Children in Nakuru Town, Kenya. *Journal of Environmental Science, Toxicology and Food Technology*. Vo 9:74-78
- Nyamao, W.N., J.O. Bosire, **G.M. Ogendi**, J. Kiplangat and L. Mwhaki: (2015). Carbon emissions from degraded mangroves of Tudor and Mwache creeks, Mombasa, Kenya. *Journal of Island Ecology* 1: 18-28
- Awuor L.A., **Ogendi G.M.**, Bosire J.O., & Kairo J.G. 2015. The Facilitative Role of Sea Blight (*Sueda monoica*) in Faunal Recolonization of Degraded Mangroves in Mwache Creek, Kenya. *Journal of Environmental Science, Toxicology and Food Technology*. Vo 9:42-47.
- Atalitsa C. N., Moturi N. W., Mironga J., **Ogendi G. M.**, Koech H. K. (2015). Cultivation of *Jatropha Curcas L.* for Energy Purposes in Kibwezi, Shimba Hills and Bondo, Kenya. *International Journal Sciences and Research*. 4 (9): 539-543
- Ogendi, G.M.**, G.M. Maina, J.W. Mbuthia, H.K. Koech, C.M. Ratemo and J.C. Koskey. 2014. Heavy Metal Concentrations in Water, Sediments and Common Carp (*Cyprinus carpio*) Fish Species from Lake Naivasha, Kenya. *Research Journal of Environmental and Earth Sciences*. 6(8):416-423
- Kiplangat, J., A. Mbelase, J.O Bosire, J. M Mironga, J.G. Kairo, **G. M Ogendi**, D. Macharia and N. W Nyamao. 2014. Cover change analysis of mangrove forest and surrounding land cover of Mtwapa creek, Kenya. *Elixir Remote Sensing* 76 (2014) 28566-28573
- Muchukuri K.N., **Ogendi G.M.** & Moturi W.N. 2014. Influence of Anthropogenic Activities on Microbial Quality of Surface Water in Subukia Town, Kenya. *Journal of Environmental Science Natural Resources Management & Society*. 2 (1): 1-10.
- Kimani, E. W., **Ogendi, G. M.**, Makenzi P. M. 2014. Perceptions of Climate Change. *European Journal of Applied Sciences*. Vol 7 (2): 57-74
- Kilonzi C.M., W. N. Moturi, **G. M. Ogendi**, H. K. Koech and J. Maina. 2014: Spatio-temporal Variations in Physicochemical Parameters and Coliform Levels of Domestic Water Sources in Njoro District, Kenya. *Journal of Environmental Science Natural Resources Management & Society*. 2 (1): 11-23.
- Karanja W. D, **Ogendi G.M.**, Kariuki T. S. and Koech H.K. 2014. Assessment of Germination Rates for *Cyperus papyrus L.* in Shore Soils of Lake Naivasha under Varying Chronosequence and Land Use. *Journal of Environmental Science Natural Resources Management & Society*. 2: (2) 74-84
- Kimani, E.W., **Ogendi G.M.**, Makenzi P.M. 2014. An Evaluation of Constraints in Climate Change Indigenous Coping and Adaptation Strategies for Sustainable Agro-Pastoral Based Livelihoods in Baringo County, Kenya. *Journal of Environmental Science, Toxicology and Food Technology*. Vol 8 (8): 28-37.
- Ong'oa-Morara R. K., Olekaikai N.K.W., Kurui E. J. and **Ogendi G.M.** 2014. Indigenous

- Kimani, E.W., **Ogendi G.M.**, Makenzi P.M. 2014. An Evaluation of Climate Change Indigenous Coping and Adaptation Strategies for Sustainable Agro-Pastoral Based Livelihoods in Baringo County, Kenya. *Journal of Environmental Science, Toxicology and Food Technology*. Vol 8 (8): 38-58.
- Koskey, J. C. **Ogendi, G. M.**, M'Erimba C.M. and Mbuthia, J.W. 2014. Influence of Anthropogenic Activities on Water Quality and Heavy Metal Concentrations in Lake Baringo, Kenya. *Journal of Environmental Science Natural Resources Management & Society*. 2 (2): 1-12.
- Mbuthia, J.W. , **Ogendi, G. M.**, Moturi, W.N., Koskey, J.C. & Maina G.M. 2014. Heavy Metal Concentrations in Tissues of Commercially Exploited Fish (*Oreochromis niloticus baringoensis*, *Protopterus aethiopicus*, *Clarias gariepinus*) from Lake Baringo, Kenya. *Journal of Environmental Science, Toxicology and Food Technology*. Vol 8 (11): 55-63.
- Ogendi, G. M.**, Ratemo C.M., Maina G.M., Moso D.C., Kimutai J. and Kurui E.J. 2014. National Parks and Wildlife Conservation: A Case Study of Kitum Nature Trail, Mt. Elgon National Park, Kenya. *Journal of Environmental Science Natural Resources Management & Society*. 2 (2): 44-58.
- Bosire J. O., Kaino J., Olagoke A.O., Mwhiki L., **Ogendi G.M.**, Kairo J. G., Berger U. Macharia D. 2014. Mangroves in peril: Unprecedented degradation rates of peri-urban mangroves in Kenya. *Journal of Biogeosciences*. 11:2623-2634
- Ogendi G.M.** 2012. Influence of local lithology on streamwater chemistry of the Little Red River Tributaries, Arkansas, USA. *J. Nat Res. Soc.* 1: 13-28
- Koech H.K., **Ogendi G.M.** & Kipkemboi J.K. 2012. Status of treated slaughter-house effluent and its effects on the physico-chemical characteristics of surface water in Kavuthi stream, Dagoretti, Kenya. *Research Journal of Environmental and Earth Sciences* 4(8): 789-796.
- Ogendi G.M.**, Micheni V. & Maina G.M. 2012. Impact of habitat destruction on bird species diversity and distribution in various habitats of Nairobi City, Kenya. *J. Nat Res. Soc.* 1: 82-91
- Kimani E.W., Makenzi, P.M. & **Ogendi G.M.** 2012: Social-Environmental and Policy Implications of Urban and Peri-Urban Dairy Farming in Nakuru Municipality, Kenya. *J. Nat Res. Soc.* 1: 115-124
- Ogendi G.M.** and Ong'oa I.M., 2009. Water Policy, Accessibility, and Water Ethics in Kenya. *Journal of International Law (JIL)*, Vol. 7:171-190
- Ogendi, G.M.**, Hannigan, R.E. and Farris, J.L. 2008. Macroinvertebrate assemblages in shale-draining streams of north-central Arkansas, USA. *The Open Environmental and Biological Monitoring Journal*. 1:33-42.
- Ogendi, G. M.**, Hannigan, R.E. and Farris, J.L. 2007b. Toxicity of metal-enriched black shale-draining surface waters to *Ceriodaphnia dubia*, and *Pimephales promelas*. *Journal of Agricultural, Food, and Environmental Sciences*. 1: 1-14. An electronic version of the paper is available at http://www.scientificjournals.org/journals2007/j_of_agri.htm
- Ogendi, G. M.**, Brumbaugh, W., Hannigan, R.E. and Farris, J.L. 2007a. Effects of acid volatile sulfide on black shale sediment-metal bioavailability and toxicity to midge larvae, *Chironomus tentans*. *Environ. Toxicology and Chem.* 26:130-139.
- Ogendi, G. M.** 2006. Weathering of Black Shale and its Impacts on Surface Water and Sediment Quality, and Aquatic Organisms. *Ph.D. Dissertation*, Environmental Sciences Program, Arkansas State University, Jonesboro, USA. 232pp
- Ogendi, G. M.**, Farris, J.L, and Hannigan, R.E. 2004a. Black Shale Trace Metal Concentrations and Toxicity: Preliminary Findings. In Wanty, R.B. and Seal, R. II (Eds.) *Water Rock Interaction*, Vol 2: 1359 -1362. Taylor and Francis Group plc, London, UK
- Ogendi, G. M.**, Hannigan, R.E., Farris, J.L, and Smith, D. 2004b. The Impact of Black Shale Weathering on Sediment Quality. *J. Ark. Acad. Sci.* 58: 84-90
- Ogendi, G. M.**, Mathooko J.M. and Leichtfried M.P. 2004. Natural leaf transport and retention in a second order tropical stream; the Njoro River, Kenya. *African Journal of Ecology*. 42: 4-6
- Ogendi, G. M.**, Mathooko J.M. and Leichtfried M.P. 2002. Leaf litter transport

and retention in a tropical Rift-Valley stream: an experimental approach; *Journal of Hydrobiologia*. 443:9 –18. Kulwer Academic Publishers, the Netherlands.

Mathooko J.M., **Ogendi G.M.** and Leichtfried M.P. **2001**. The effect of different anthropogenic disturbances on the benthic plant coarse particulate organic matter in a tropical Rift-Valley stream. *African Journal of Ecology*. 39: 1-3

Ogendi G. M. 1999. Transport and retention of plant coarse particulate organic matter in a tropical Rift Valley second-order stream – the Njoro River; *M.Sc. Thesis*, IHE, Delft, the Netherlands.

PAPERS PRESENTED AT NATIONAL AND INTERNATIONAL CONFERENCES

- 1 Keita M.M., Ogendi G.M. & Owuor G. 2017. Impacts of artisanal gold-mining on water quality: A case study of gold mining at Farabacoura in Sikasso Region, Mali. *Egerton University International Research Week*.
- 2 Keita M.M., Owuor G. & Ogendi G.M. 2017. The drivers of participation in artisanal gold mining against agriculture: the case of Farabacoura mining in Sikasso Region, Mali. *Egerton University International Research Week*.
- 3 Moso D.C., **Ogendi G.M.** Makindi S.M., Malala .O. & Kipchumba A.C. 2016. Pastoral Adaptation Strategies against Climate Variability in Turkana Central. *Egerton University International Research Week*.
- 4 Jebiwott A., **Ogendi G.M.** & Makenzi P.M. 2016. Forest Cover and Ecosystem Services of Katimok Forest Reserve, Baringo County, Kenya. *Egerton University International Research Week*.
- 5 Misati A.G., **Ogendi G.M.**, Peletz R, Khush K. and Kumpel E. 2016. Can Sanitary Surveys Replace Water Quality Testing? Evidence from Kisii, Kenya. *Egerton University International Research Week*.
- 6 Kurui E.J., **Ogendi G.M.**, Moturi W.N. & Nyawanga D.O. 2016. Microbiological contamination of water pans in semi-arid lands: A case study of Central and South Baringo, Kenya. *Egerton University International Research Week*.
- 7 Okullo J.O., Moturi W.N. & **Ogendi G.M.** 2016. An assessment of contribution of faecal disposal practices on the bacteriological quality of drinking water sources in Isiolo County, Kenya. *Egerton University International Research Week*.
- 8 Kipchumba A.C., **Ogendi G.M.**, Malala J.O. & Moso D.C. 2016. Effects of water abstractions on the flow regime of River Turkwel. *Egerton University International Research Week*.
- 9 Kurui E.J., **Ogendi G.M.**, & Moturi W.N. 2016. Water, sanitation and health in the arid and semi-arid lands of central and south Baringo. *Egerton University International Research Week*.
- 10 Kipchumba A.C., **Ogendi G.M.**, Malala J.O. & Moso D.C. 2015. The potential role of flood crop farming in achieving food security in Turkana central. *Egerton University International Research Week*.
- 11 Mbutia, J.W., **Ogendi, G. M.**, Moturi, W.N., & Koskey, J.C. 2015. Heavy Metal Concentrations in Tissues of Commercially Exploited Fish (*Oreochromis niloticus baringoensis*, *Protopterus aethiopicus*, *Clarias gariepinus*) from Lake Baringo, Kenya. *Egerton University International Research Week*.
- 12 Karani L.B., Nyakwara Z., **Ogendi G.M.** Moturi W.N. & Njau P. 2015. Assessment of factors influencing pesticide handling practices among wheat farmers in Mau Division, Narok County, Kenya. *Egerton University International Research Week*.
- 13 Kimani E.W., **Ogendi G.M.** & Makenzi P.M. 2015. Assessment of changes and effectiveness of indigenous coping strategies to climate change in Baringo County, Kenya. *Egerton University International Research Week*.
- 14 Awuor L.A., **Ogendi G.M.**, Bosire J.O., Kairo J.G. & Mwhaki L. 2015. The Facilitative Role of Sea Blight (*Sueda monoica*) in Faunal Recolonization of Degraded Mangroves in Mwache Creek, Kenya. *Egerton University International Research Week*.
- 15 Moso D.C., **Ogendi G.M.**, Malala .O. Njuguna P.K., & Kipchumba A.C. 2015. Climate variability effects on pastoral pasture availability and water accessibility in Turkana central. *Egerton University International Research Week*.
- 16 Mwanyika, F.T., **G. M. Ogendi** and J. K. Kipkemboi. 2015. Determination of the efficiency of heavy metals removal by a constructed wetland system at Egerton University, Kenya. *Egerton University International Research Week*.
- 17 Nyamao, W.N., J.O. Bosire, **G.M. Ogendi**, J. Kiplangat and L. Mwhaki: (2015). Carbon

- emissions from degraded mangroves of Tudor and Mwache creeks, Mombasa, Kenya. *Egerton University International Research Week*.
- 18 Ratemo C.M., Ogendi G.M., Malala J.O., Moso D.C., Kipchumba A.C. & Keburi C.O. 2015. Impacts of climate variability on livestock keeping in Lake Turkana Basin, Kenya. *Egerton University International Research Week*.
- 19 Munene M., Moturi W.N. & **Ogendi G.M.** 2015. Urban household socioeconomic factors influencing preference of cooking fuels among households in Nakuru Town, Kenya. *Egerton University International Research Week*.
- 20 Kimani E.W., **Ogendi G.M.** & Makenzi P.M. 2014. Indigenous Agro-Pastoral Based Livelihoods Coping Strategies for Adaptation to Climate Change in Marigat Sub- County, Baringo County, Kenya
- 21 Muchukuri K.I. **Ogendi G.M.** 2014. Influence Of Anthropogenic Activities On Microbial Quality Of Surface Water In Subukia Town, Kenya. *Egerton University International Research Week*.
- 22 Karanja D.W., **Ogendi G.M.** and Kariuki S.T. 2014. Assessment of germination rates for *Cyperus papyrus* L. in shore soils of Lake Naivasha under varying chronosequence and land use. *Egerton University International Research Week*.
- 23 **Ogendi, G. M.** G.M. Maina, J.W Mbutia, H.K. Koech, C.M. Ratemo & J.C. Koskey. 2014. Heavy metal concentrations in three selected fish species from Lake Naivasha, Kenya. *Egerton University International Research Week*.
- 24 Heavy metal concentrations in three selected fish species from Lake Naivasha, Kenya.
- 25 Mwhaki L., **Ogendi G.M.**, Bosire J. O., Kaino J., Olagoke A.O., Kairo J. G., Berger U. Macharia D. 2013. Carbon stocks of the mangrove forest in Mwache Creek, Mombasa, Kenya. *Western Indian Ocean Marine Scientists Association Conference, Maputo, Mozambique*.
- 26 **Ogendi G.M.**, Muchukuri K.I. & Moturi W.N. 2013. Influence of anthropogenic activities on ground and surface water quality in Subukia Town, Kenya. UNESCO-IHE Refresher Course, Kampala, Uganda.
- 27 Ogendi G. Morara. 2011. Impact of habitat destruction on bird species diversity and distribution in various habitats of Nairobi City, Kenya. Presented at the International Research Week, Egerton University. Abstracts program, p85.
- 28 Ogendi G. Morara. 2010. Heavy metal concentrations in three selected fish species from Lake Naivasha, Kenya. Presented at the International Research Week, Egerton University. Abstracts program, p88.
- 29 Kimani E.W., Makenzi, P. and Ogendi G.M. 2010. Impacts of urban and per-urban dairying on socio-environmental policy in Nakuru Municipality, Kenya. Presented at the International Research Week, Egerton University. Abstracts program, p87.
- 30 Koech H.K., Ogendi G.M. and Kipkemboi J.K. 2010. An assessment of the effects of slaughterhouse effluents on the physico-chemical characteristics of water in Kavuthi stream, Dagoretti-Kenya. Presented at the International Research Week, Egerton University. Abstracts program, p96
- 31 Ochieng' M.A., Ogendi G.M. and Karanja H.T. 2010. Heavy metal concentrations in water, sediments, and aquatic plants of Lake Naivasha, Kenya. Presented at the International Research Week, Egerton University. Abstracts program, p92.
- 32 Ogendi G. Morara and Ong'oa M. Isaac, 2008. Water Ethics in a Globalized World. Invited Speaker and Panelist at the International Symposium on *Common Grounds, Common Waters: Toward a Water Ethic* at Santa Clara University, CA. March 14-15 2008.
- 33 Ogendi G. Morara. 2007. Cultures and Water Resource Use, Conservation & Degradation in the Njoro and Lamudiac River Watersheds, Kenya. Presented at the River Cultures and Ecological Futures sessions of *10 International River Symposium and Environmental Flows conference*, Brisbane, Australia. September 3-6, 2007. *Invited Speaker and Panelist*.
- 34 Ogendi G. M. 2006. Drinking Water Quality and Scarcity and its Impact upon the Health of People in Western Kenya. Environmental Leadership Program Conference March 14-18, 2007. Antiochian Village Conference Center, Pennsylvania, USA.
- 35 Ogendi, G.M., Hannigan, R.E. and Farris, J.L. 2005. The toxicity of metal-enriched black shale-draining surface water to *Ceriodaphnia dubia*, and *Pimephales promelas*. MidSouth SETAC Conference at University of Mississippi, MS. merica) 26tylan
- 36 Ogendi, G.M., Brumbaugh, W., Hannigan, R.E. and Farris, J.L. 2005. Effects of acid volatile sulfide on black shale sediment-metal bioavailability and toxicity to midge larvae, *Chironomus tentans*. Presented at the *Geological Society of America* 2005 annual meeting in Salt Lake City, UT.
- 37 Ogendi, G.M., Hannigan, R.E. and Farris, J.L. 2005. Trace metal concentrations and macroinvertebrate assemblages in black shale-draining streams. Abstract submitted for the joint *North American*

Benthological Society and American Geophysical Union meeting, 23-27 May 2005 at Memorial Convention Center, New Orleans, LA.

- 38 Ogendi, G.M., Cox L., Hannigan, R.E. and Farris, J.L. 2005. Black shale weathering and its implications on surface water quality in the Little Red River. Presented at *Arkansas Water Resources Conference*, Fayetteville, Arkansas. April 19-20, 2005.
- 39 Ogendi, G.M., Hannigan, R.E. and Farris, J.L. 2004. Chemical Weathering of Black Shales and its Ecological Impacts on Streams. Presented at the *Geological Society of America 2004 annual meeting* in Denver, Co.
- 40 Ogendi, G.M., Farris, J.L, Hannigan, R.E. 2004. Black shale Trace Metal Concentrations and Toxicity: Preliminary Findings. *11th International Symposium on Water Rock Interaction*. Saratoga Springs, NY.
- 41 Ogendi, G.M., Hannigan, R.E., Farris, J.L, Smith, D. 2004. The impact of black shale weathering on sediment quality. Mid South Regional Chapter of the Society of Environmental Toxicology and Chemistry Annual Meeting, Oxford, MS.
- 42 Ogendi, G.M., Hannigan, R.E., Farris, J.L, Smith, D. 2004. The Impact of Black shale Weathering on Sediment Quality: Preliminary Findings. *88th Annual Meeting of the Arkansas Academy of Science*. Jonesboro, AR.
- 43 Morara G. Ogendi. 2002. The effect of increased phosphate and nitrate loading on the growth and distribution of *Spirulina platensis* in Lake Nakuru, Kenya. A paper presented in the *Tropical Freshwater Training Course held at Naivasha*, Kenya. 1 – 22 December, 2002. *Unpubl.*
- 44 Morara G.Ogendi. 2002. Wetland destruction and its impact on the fisheries of Lake Victoria, Kenya. Paper presented at the *9th Nile Basin Conference*, Mbagathi, Nairobi, Kenya. 7-10 October, 2002. *Unpubl.*
- 45 Morara G. Ogendi. 2001. Policy failure in wetland management and conservation: a case study of Yala Swamp, Kenya; a paper presented at the *World Wetlands Day on the "World to discover: wetlands and water conservation"* workshop held at Egerton University, Kenya. 1st to 3rd February, 2001. *Unpubl.*
- 46 Morara G. Ogendi. 2000. Wetland habitat fragmentation and its influence on bird diversity at Egerton University; a paper presented at the Nature Kenya Workshop on "*Birds and wetland conservation in Kenya*" Workshop held at the Agricultural Resources Center, Egerton University, Kenya. 31st March to April 3rd, 2000. *Unpubl.*
- 47 Morara G. Ogendi. 1999. Macroinvertebrates – indicators of water quality: a case study of the Njoro River, Kenya; a paper presented in the *2nd International Conference on "Plant leaf litter processing in freshwaters"* at the Biological Station – Lunz, Austria. 22 – 24, September, 1999. *Unpubl.*
- 48 Morara G. Ogendi.1999. Neglected but important resources in Western Kenya – the wetlands; a paper presented at the MAB International Wetland Training on "*water and wetlands in sustainable catchment management*" at Trebon wetland Training Center, Czech Republic. 10 November to 10th December, 1999. *Unpubl.*
- 49 Morara G. Ogendi .2000. Towards a clean and friendly environment: the role of the youth; a paper presented at the *World Environmental Day on the Youth and the Environment workshop* held at Egerton University, Kenya. 4 – 6 June, 2000. *Unpubl.*

RESEARCH GRANTS AND AWARDS

- 2015-2016: AFFP Project Funds. Forest Cover and Ecosystem Services of Katimok Forest Reserve, Baringo County, Kenya. (Ksh.1.2M).
- 2015-2017: IGAD-INWRMP Training Funds for Training water resource managers on Multi-functional Reservoir Operations in Transboundary River Basins. (K.Sh.2.5M)
- 2014: IGAD-INWRMP Project: **Impacts of Upstream Water Resource Developments on the Omo-Ghibe River and Climate Change on the Lake Turkana and Livelihoods of the Riparian Communities: Euros 20,000 (Ksh. 2.4M).**
- 2014: Egerton University Division of Research & Extension Internal Research Funds on Microbiological Water Quality in Water Pans in Baringo County. Ksh 674,000
- 2012: Egerton University Division of Research & Extension Internal Research Funds for the project on Heavy Metal Concentrations in water, sediments, macroinvertebrates & fish in Lake Baringo, Kenya
- 2009: **Egerton University Division of Research & Extension Internal Research Funds for the project on Heavy Metal Concentrations In Water And Fish Tissues Of Selected Fish Species In Lake Naivasha, Kenya**

- 2008: Philosophy of Water, UNT Travel grant to attend and present at the International Symposium on *Common Grounds, Common Waters: Toward a Water Ethic* at Santa Clara University, CA. March 14-15 2008. \$1,000
- 2007: Philosophy of Water, UNT Travel grant to attend and present at the 10th International River Symposium and Environmental Flows conference, Brisbane, Australia, August 31st to September 9th 2007. \$2000.
2007. Blue Gold and Canadian Council of Water Travel Grant to travel to Kenya for a water ethics research and shooting of the Blue Gold Documentary Film. \$3000.
- 2006: South Regional Education Board Doctoral degree graduate; awarded at the 13th Institute on Teaching and Mentoring and Compact for Faculty; Miami, Florida. 2006:
- 2006: Environmental Leadership Program Fellow- Fellowship Class of 2006-2007. \$10,000
- 2005: Southern Regional Education Board-Doctoral Scholars Dissertation Year Fellowship. \$15,000
- 2005: Graduate Student Winner of the Mossie J. Richmond, Jr. – Afak Haydar Scholarship. \$6,000
- 2005: *Who is Who* among students in American Universities and Colleges.
- 2004: Awarded a student travel and accommodation grant of \$ 800 by the Geological Society of America to attend the 2004 *Geological Society of America* annual meeting in Denver, Co.
- 2003-2004: National Science Foundation - Hydrologic Science "Linkages between the chemical weathering of black shales and metal contamination in aquatic systems" \$163,159 NSF-HS 02-33661 PI: Dr. Robyn Hannigan, Co-PI: Jerry Farris.
- 2002: McArthur Foundation and Pan African Start Award of \$ 2,800 to participate in the training on the sustainable management of tropical freshwater ecosystems at Naivasha, Kenya.
- 2002: Nile Basin Secretariat Award of \$ 2,000 to attend the 9th Nile Basin Conference in Nairobi, Kenya.
- 1999: MAB scholarship Award of \$ 3,000 to pursue a one-month International Certificate Course in water and wetlands for sustainable catchment management, in Trebon, Czech Republic.
- 1999: SIL Fellowship Award of \$ 3,500 to an international conference in Lunz, Austria.
- 1999: OEAD (North-South Dialogue) Research Grant of \$ 7,200 for my M.S. research in Kenya
- 1999: NFP Fellowship Award of \$ 9,200 for my M.S. coursework at IHE, Delft, The Netherlands.
- 1998: Outstanding scholar of the Water as a source of Diseases for man and animals International Course at Trebon, Czech Republic.
- 1999: OEAD (North-South Dialogue) Research Grant of \$ 7,200 for my M.S. research in Kenya.
- 1998: UNESCO Research Grant of \$ 8,000 which enabled me pursue the 6-month International Post-graduate Diploma Course in Limnology in Mondsee, Austria.

PROFESSIONAL DEVELOPMENT COURSES

- 2015: Training on Multi-functional Reservoir Operations in Transboundary River Basins. Training held in Addis Ababa, Ethiopia. 22nd to 27th March 2015. Funded by IGAD-INWRMP.
- 2013: Integrated Water and Sanitation in Urban Slums in Developing Countries. UNESCO-IHE Refresher Seminar, Kampala, Uganda. 6th 12th October 2013.
- 2010: Post-graduate student supervision and mentoring: Funded by the SNOWS project at Sportman Arms Hotel, Nanyuki.
- 2009: Writing Research Proposals: Funded by RUFORUM Project at ARC Hotel Egerton University.

- 2008: Decentralized Water and Sanitation in Developing Countries. UNESCO-IHE Refresher Seminar, Kampala, Uganda. 27th September to 2nd October 2008.
- 2007: Institute on Teaching and Mentoring: The Compact for Faculty Diversity. Organized and coordinated by Southern Regional Education Board and other partner organizations (NEBHE, AGEP, SLOAN, NSF, NIH, BRIDGES, and McNAIR). Arlington, VA
- 2006: Institute on Teaching and Mentoring: The Compact for Faculty Diversity. Organized and coordinated by Southern Regional Education Board and other partner organizations (NEBHE, AGEP, SLOAN, NSF, NIH, BRIDGES, and McNAIR). Miami, FL.
- 2006: World Social Forum in Nairobi, Kenya. Panelist on the Scarcity and Quality of Freshwater Resources in Africa at the WSF.
- 2007: Blue Gold Documentary Film Initiative. Participated in the production of this Film that highlights the challenges facing low-income communities in obtaining potable water amidst the rising commodification of this important resource.
- 2006: Environmental Leadership Conference: Conflict Management; Public Speaking and Media Communication. Raindance Retreat Center, Ben Lomond, CA.
- 2006: Teaching Public Policy and Geosciences at colleges and universities: Workshop for Geosciences teachers and professors. Part of the “*On the Cutting Edge: Professional Development Program for Geoscience Faculty*” project. Supported by an NSF Grant. Held in Washington D.C.
- 2006: Environmental Leadership Training Workshop: Leadership Styles, Diversity, Networking, Communication, and Public Speaking. Hartford, Connecticut.
- 2006: Growing a Technology Business. Workshop on financing, business planning, cool technologies, legal issues and community resources for small businesses. Arkansas Small Business Development Center, Jonesboro, AR.
- 2005: Institute on Teaching and Mentoring: The Compact for Faculty Diversity. Organized and coordinated by Southern Regional Education Board and other partner organizations (NEBHE, AGEP, SLOAN, NSF, NIH, BRIDGES, and McNAIR). Arlington VA.
- 2005: Preparing for an Academic Career in the Geosciences: Workshop for Graduate students and Post-Doctoral Fellows. Part of the “*On the Cutting Edge: Professional Development Program for Geoscience Faculty*” project. Supported by an NSF Grant. Held at Penn State University, State College, PA.
- 2002: Certificate in Tropical Freshwater Ecosystems. Organized by the McArthur Foundation and Pan African Start Program at Naivasha Kenya Wildlife and Fisheries Training Institute.
- 1999: Training Certificate Course in Water and Wetlands in Sustainable Catchment Management
Wetland Training Centre in conjunction with Wetland International and UNESCO’s MAB Program, Trebon Wetland Training Institute, Czech Republic.
- 1998: Certificate Training Course on “Water as a Source of Diseases for Men and Animals”
Institute of Parasitology, Academy of Sciences of the Czech Republic
Branisovska 31, 370 05 Ceske Budejovice, CZECH REPUBLIC.

MY CONTRIBUTION TO THE ADVANCEMENT OF EGERTON UNIVERSITY’S MISSION AND VISION

1. Academic Leader, M.Sc. (ENSH) Program
2. Member of the Research Committee, FERD
3. Member of the UNESCO Bioethics Committee
4. Member of the University Climate Change Committee
5. Environmental Science Department Curriculum officer
6. Committee Member of the University Linkages Committee
7. Class advisor for ENSH’15 Graduate students
8. Supervisor for several M.Sc. students at the university

Previously I have served as

1. The Faculty Representative to Shows, University Exhibition and Open Day
2. The Faculty Representative to Board of Post-graduate Studies
3. The Faculty Representative to Board of Undergraduate Studies
4. Class advisor for ENSC'08 master of science students

PROFESSIONAL MEMBERSHIPS

1. Western Indian Ocean Marine Scientists Association (WIOMSA)
2. American Geophysical Union (AGU);
3. Geological Society of America (GSA);
4. Environmental Leadership Program, Senior Fellow
5. Member of the Certified Lead Experts in Environmental Impact Assessment studies, Kenya
6. American Association for the Advancement of Science (AAAS);
7. Society of Environmental Toxicology and Chemistry
8. SREB Doctoral Scholars Association;
9. Society of Wetlands (SWS);
10. North American Benthological Society (NABS);
11. East African Wildlife Society (EAWS);
12. East African Water Association (EAWA)
13. Lake Naivasha Riparian Association, Kenya (LNRA);
14. Wildlife Clubs of Kenya (WCK).

JOURNAL REVIEWER FOR:

1. Environmental Toxicology and Chemistry
2. Journal of Environment Natural Resources and Society
3. Journal of Experimental Marine Biology and Ecology
4. Journal of North American Benthological Society
5. Journal of Food, Agriculture and Environmental Sciences
6. Bulletin in Marine Science
7. East African Wildlife Society (EAWLS)
8. Society of Wetlands (SWS)

CERTIFICATIONS

- 1 CPR, American Heart Association
- 2 First Aid, American Heart Association

COMMUNITY & OUTREACH WORK

Period	Duties/Responsibilities
2013 To Date	External Examiner for the College of Education, University of Dar Salaam, Tanzania.
2016 to Date	External Examiner for School of Natural Resources and Environmental Studies, Karatina University
2012 To Date	External Examiner, Kenya Wildlife Service Training Institute (KWSTI), Naivasha
2017	Chief Elder, Egerton SDA Church
2011-2017	Chair, Roads and Transport Committee, Egerton Sunrise Estate
2012-2017	Session Chair and Rapporteur for Egerton University's International Research Week
2014-2017	Patron, Egerton University SDA Church (for Egerton University Students)

2013-2016	Chairman, Church Development, Egerton SDA Church.
2012-2017	Chief Elder, Egerton SDA Church
2010-2011	Elder, Egerton SDA Church
2007 & 2008	Session Chair at the <i>Professional Ethics and Responsible Conduct in Research</i> session at the 14 th Institute on Teaching and Mentoring: Arlington, VA, 2007
2006 & 2007	Instructor for the Upward Bound (UB) Program at Arkansas State University.
2006	Rapporteur at the <i>Writing the PhD Dissertation</i> session at the 13 th Institute on Teaching and Mentoring: Miami, FL, October 26 - 29, 2006.
2005 & 2006	The United Way of Arkansas State University

REFERENCES

Dr. Stanley M. Makindi, PhD

Chairperson, Environmental Science Department
 Egerton University, Kenya
 Email: moturi33@gmail.com

Prof. Bockline O. Bebe, PhD

Director, Research and Extension
 Egerton University, Kenya
 Email: omedobebe@gmail.com

Prof. Kennedy N. Ondimu, PhD

Professor of Human Geography
 Department of Geography
 Egerton University, Kenya
 Email: kondimu@yahoo.com