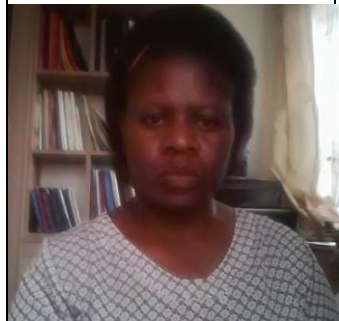


Personal Profile

Personal Details

Name: Dr Mary Makokha Kalibbala Title/Qualification: PhD Department: Geography Designation/Position: Lecturer Email: makokha.mary@ku.ac.ke Contact Address: P.O Box 43844-00100 GPO, Nairobi, Kenya Area of Specialization: Groundwater Hydrology, Hydrology and water resources Research Interests: - water resources, surface water management and modelling, hydrogeology management and modelling, groundwater exploration and exploitation water quality analysis and modelling, interaction of surface and groundwater models, climatic and anthropogenic impacts on water resources, seawater intrusion models Google scholar:https://scholar.google.com/citations?user=SNxFu5UAAAAJ&hl=en ORCID ID: ID https://orcid.org/0000-0003-1755-8089	

Academic & Professional Qualifications

- -2005 – 2008 PhD Groundwater Resource management, Kyoto University, Japan.
- 1999 – 2001 MSc. Water Resources Engineering, University of Dar es Salaam, Tanzania.
- 1994 – 1998 BSc.(Hons) Appr.Technology, Kenyatta University, Kenya.
- 1989 – 1992 Kenya Certificate of Secondary Education (KCSE) –Mukumu Girls High School.

Employment History

- -**August 2015 – to date;** Lecturer, Dept of Geography, Kenyatta University
 - Mar 2009- **August**2015;LecturerDept of Civil Eng, Kenyatta University, Kenya
 - 2002–2008:**Tutorial fellow**, Dept of Water and Environ Eng., Kenyatta University, Kenya (was on study leave from 2004-2008)
 - 2007 –2008: **Teaching Assistant**, Dept of Agriculture, Kyoto University, Japan
 - 2003 – 2004: **Development Assistant**, Brelan Consultants Ltd, Kenya
 - 2002: **Water and Sanitation Expatriate**, Kakuma Refugee camp, Kenya, UNHCR project

1998 – 1999: **Research Assistant**, Research International Ltd, Kenya

Achievements

Nominated for **ERASMUS MUNDUS – European Union Award**- Staff Mobility Programme- KITE project at Masaryk University; Czech Republic, 2015

Nominated for Netherlands Government fellowship (**NFP fellowship/ NUFFIC**) Netherlands, 2013

2011 – 2013 African Women in Agricultural Research and Development (**AWARD**), Postdoctoral fellowship, CGIAR Gender & Diversity Program (G&D); Winner for Advanced Scientific Attachment by African Women in Agricultural Research and Development (**AWARD**), Stellenbosch University, Cape town, South Africa

2004 – 2008 Prestigious Monbukagakusho Japanese Government Scholarship, Japan – PhD studies.

Publications

Referred Journals

- Yussuf A, **Makokha M.**, Maalim M. (2020). *Effect of Rainfall Variability on Spring Discharge in the Masingini Catchment, Zanzibar*, International Journal of Environment and Geoinformatics (IJEgeo), 8(1):039-000. doi: 10.30897/ijegeo.
- **Makokha M**, Obando J. Omweri Z. (2019). *Demographic Rise Effect on Water Supply Systems in Urban Higher Learning Institutions; Case Study of Kenyatta University*, Sriwijaya journal of Environment; 4(2) pg 85-96. <http://dx.doi.org/10.22135/sje.2019.4.2.85-96>
- **Makokha, M.** (2019). *Groundwater Quality Analyses along Kenyan Coastal Region, Case Study of Kilifi KENYA*, International Journal of Environment and Geoinformatics (IJEgeo), 6(1): 01- 14. DOI: 10.30897/ijegeo
- **Makokha M.** (2018). *Seasonal Variability of Groundwater Levels, Horton Infiltration Constant and Soil Moisture Content in Coastal Aquifers Case Study-Kilifi, Kenya*, Quest Journals Journal of Research in Environmental and Earth Science, 4(2), pp. 29-35
- Ndemere J, **Makokha M.**, and Moses T. (2017), *Characterization of soil and water conservation technologies used on different landscape positions in Maziba sub catchment: Journal of Agricultural Biotechnology and Sustainable Development, (JABSD) Volume 6, Issue 5, (JABSD) edition [ISSN 2141-2340] (online), Accepted May 2017* <http://www.academicjournals.org/JABSD>
- Nyakundi R.M., **Makokha M.**, Mwangi J.K. and Obiero C. (2017), *Analysis of Rainfall Trends and Periodicity in Ruiru Location, Kenya*: International Journal of Scientific and Research Publications, Volume 7, Issue 3, (IJRSP) edition [ISSN 2250-3153] (online), pages 28- 39
- Comte J., Cassidy R., Obando J., Robins N., Ibrahim K, Melchioly S., Mjemah I., Shauri H, Bourhane A., Mohamed I., Noe C., Mwega B., **Makokha M**, Join J., Banton O.,

Davies J; (2016), *Challenges in groundwater resource management in coastal aquifers of East Africa: investigations and lessons learnt in the Comoros Islands, Kenya and Tanzania*: [Journal of Hydrology: Regional Studies Volume 5](#), March 2016, Pages 179–199.

<http://dx.doi.org/10.1016/j.ejrh.2015.12.065>

- Olonga R.O., Ndunda E., **Makokha M.** (2015). Seasonal variations of physico-chemical and microbiological characteristics of groundwater quality in Ruiru, Kiambu county, Kenya. International Journal of Scientific and Research Publications (IJSRP), Volume 5, Issue 12, December 2015 Edition [ISSN 2250-3153]. www.ijsrp.org/research-paper-1215/ijsrp-p4862.pdf
- Nyakundi R.M., **Makokha M.**, Mwangi J.K. and Obiero C. (2015). Impact of rainfall variability on groundwater levels in Ruiru municipality, Kenya. African Journal of Science Technology Innovation Development. Taylor and Francis publisher Vol 7 (5) pg 329-335. <http://dx.doi.org/10.1080/20421338.2015.1085157>
- **Makokha M.**, Kobayashi A., Shigeyasu A., 2008. Numerical Modelling of Seawater Intrusion Management Measures, Journal of Rainwater Catchment Systems, 14 (1), pp. 17–24.
- **Makokha M.**, Kobayashi A., Shigeyasu A., 2008. Effect of Tidal Fluctuation on Velocity Distribution in Coastal Aquifers, Journal of Rainwater Catchment Systems, 13 (2), pp. 1–6.
- **Makokha M.**, Kobayashi A., Shigeyasu A., 2007. Effect of Velocity Distribution on Contaminant Transport in Coastal Aquifers, APCOM'07 – EPMESC XI; Third Asian Pacific Congress on Computational Mechanics in conjunction with the Eleventh International Conference on Enhancement and Promotion of computational methods in Engineering and Science, Kyoto International Conference Centre, Kyoto, Japan, December 3 -6, CD-ROM.
- **Makokha M.**, Kobayashi A., Shigeyasu A., 2006. Solute Behavior through Two Layered Strata under Seawater Intrusion Condition; Proceedings of Japanese Society of Irrigation Drainage and Reclamation Engineering (JSIDRE) Conference, Osaka, Japan, November, CD-ROM.
- **Makokha M.**, Kobayashi A., Shigeyasu A., 2006. Contaminant Transport Through homogeneous Layer under Seawater Intrusion Condition; Proceedings of Japanese Society of Irrigation Drainage and Reclamation Engineering (JSIDRE) Conference, Utsunomiya, Japan August, CD-ROM.

Conference/Workshops/Seminar Papers

Conference Papers

- **Makokha M**, Miriam O., Obando J., (2018), Evaluating the Physical-Chemical Groundwater Quality Parameters of Kenyan. Kenyatta university and Emerging Surrounding Environments Proceedings of international conference on Water security and Climate change conference (WSCC), Kenya School of Monetary studies 3- 5th Dec 2018 pg (135)
- Omweri Z, **Makokha M.**, Obando J., (2017) Socio Economic Aspects of Groundwater Systems in Kenyatta University and The Emerging Surrounding Settlements- Kabarak University, 7th Annual International conference, Kabarak University, Kenya, 1-5th October
- Nyakundi R.M., **Makokha M.** and Mwangi J.K. Rainfall trends and periodicity in Ruiru location, Kenya- The Regional Conference of International Women Engineers and Scientists (INWES) Entebbe, Uganda 21-23 October 2015.
- Olunga R.O., NdundaE. **Makokha M**, (2015) Groundwater quality and its suitability for domestic use in Ruiru area, Kiambu County, Kenya, The Regional Conference of International Women Engineers and Scientists (INWES) Entebbe, Uganda 21-23 October 2015.
- Nyakundi R.M., **Makokha M.**, Mwangi J.K. and Obiero. Impact of rainfall variability on groundwater levels in Ruiru municipality, Kenya -The 6th International Conference of Appropriate Technology (ICAT) Nairobi, KUCC, Kenyatta University, Kenya November 2014.
- Comte J., Cassidy R., Obando J., Robins N., Ibrahim K, Melchioly S., Mjemah I., Shauri H, Bourhane A., Mohamed I., Noe C., Mwega B., **Makokha M**, Join J., Banton O., Davies J; **Towards groundwater security in coastal East Africa: initiating a regional research network and integrated hydro-geologic, climatic & socio-economic observatories in coastal aquifers of the Comoros Islands, Kenya and Tanzania.** 2014. Poster session presented at SWIM23 - 23rd Salt Water Intrusion Meeting, Husum, Germany, 16-20 June 2014, Husum, Germany
- **Makokha M**, Mbwete T.S.A.; 13th WaterNET/WARFSA/GWPSA International Symposium on Integrated Water resources Management (IWRM); "The effect of the hydraulic under-drainage system on cleaning efficiency of Downflow Roughing Filters (DRF); a community water supply pretreatment method" Birchwood Hotel, Johannesburg, South Africa 31st oct -2nd Nov, 2012 CD-ROM
- **Makokha M**, Monitoring Groundwater Levels and Rate of Contamination of Nairobi Aquifer and Surrounding Regions; "Natural Resources 2010" Proceedings of International Conference Africa-Initiative of the Volkswagen Foundation/Leibnitz Universität -Postdoctoral Junior Research Fellows, Hanover, Germany, 25-27th October, 2010
- Kiage C, **Makokha M.**, Obando J, Cassidy R, Comte J , Assessment of Salinity in Boreholes and Wells in Kilifi County), 6th international Conference by International

Network of Appropriate Technology (INAT) in conjunction with Howard University, USA, 26- 29th Nov, 2014 , KUCC, Kenyatta University, Kenya ;UPGro Project

- *Wafubwa M, **Makokha M.**, Obando J, Cassidy R, Comte J , Assessment of Soil Moisture and infiltration rates; Case Study of Kilifi County),6th international Conference by International Network of Appropriate Technology (INAT) in conjunction with Howard University, USA, 26- 29th Nov, 2014 , KUCC, Kenyatta University, Kenya*
- *Nyaga B, **Makokha M.**, Obando J, Cassidy R, Comte J , GIS and remote sensing application to groundwater level water monitoring Case Study; Kilifi County),6th international Conference by International Network of Appropriate Technology (INAT) in conjunction with Howard University, USA,26- 29th Nov, 2014 , KUCC, Kenyatta University, Kenya*

Workshops attended

- Organized and convened final dissemination workshop as principal investigator of VC grant project; Hydrogeology and Geochemical analyses of Groundwater systems in Kenyatta University and surrounding environments, December 2018
- Hydrogeology of Kilifi County a paper presented at Final Dissemination Workshop- Unlocking the potential for Groundwater in East Africa (UPGRO), NERC UK; 17-18th October, 2014; British Institute of East Africa(BIEA), Nairobi.
- Recycling of polythene bags in East African Urban Centres: A new concept Workshop on Appropriate Technology for the 21st century: sustainable development in Africa; organized by Howard University (USA), International Network of Appropriate Technology (INAT) and Kenyatta University; Kenyatta University, Nairobi, Kenya, May 27th, 2013.
- Integrated Watershed Management at Kenyatta University a paper presented at Regional Inter-University Knowledge Sharing Workshop on IWRM Toolbox, 5-6 December 2013, Makerere University, Uganda, and Sponsored by Global Water Partnership (GWP).
- Attended the Evaluation and Monitoring Workshop AWARD Fellowships; a project of CGIAR Gender & Diversity Program (G&D); Colline Hotel, Mukono, Uganda, 10-12th June, 2012.
- Attended; Mentoring and Training workshops by African Women Agricultural Research and Development (AWARD); on Building capacity and leadership Skills in African Women Scientists: Jacaranda Hotel, Nairobi, 24th-28th October, 2011
- Attended Kenya DAAD Scholars Association (KDSA) workshop with the theme; Capacity Development for the County Governments in the New Constitutional Dispensation in Kenya, Silver Springs Hotel, Nairobi, November, 2011
- Participated in Training workshop on “enhancing the participation of African Women Scientists in Climate Change Assessment, Information Dissemination and Policy Advocacy”; A collaboration between The International Foundation for Science (IFS) Eastern Africa Hub, the Regional Universities Forum for Capacity

building in Agriculture (RUFORUM), the Regional Center for Mapping of Resources for Development (RCMRD) and the IGAD Climate Prediction and Application Center (ICPAC) with support from NORAD; 30th August – 2nd September, 2010, Kisumu, Kenya

Student Co-authored Publications

Referred Journals

- Yussuf A, **Makokha M.**, Maalim M. (2020). *Effect of Rainfall Variability on Spring Discharge in the Masingini Catchment, Zanzibar*, International Journal of Environment and Geoinformatics (IJEgeo), 8(1):039-000. doi: 10.30897/ijegeo.
- **Makokha M.**, Obando J. Omweri Z. (2019). *Demographic Rise Effect on Water Supply Systems in Urban Higher Learning Institutions; Case Study of Kenyatta University, Sriwijaya* journal of Environment; 4(2) pg 85-96. <http://dx.doi.org/10.22135/sje.2019.4.2.85-96>
- Ndemere J, **Makokha M.**, and Moses T. (2017), *Characterization of soil and water conservation technologies used on different landscape positions in Maziba sub catchment: Journal of Agricultural Biotechnology and Sustainable Development, (JABSD) Volume 6, Issue 5, (JABSD) edition [ISSN 2141-2340] (online), Accepted May 2017*
<http://www.academicjournals.org/JABSD>
- Nyakundi R.M., **Makokha M.**, Mwangi J.K. and Obiero C. (2017), *Analysis of Rainfall Trends and Periodicity in Ruiru Location, Kenya: International Journal of Scientific and Research Publications, Volume 7, Issue 3, (IJRSP) edition [ISSN 2250-3153] (online), pages 28- 39*
- Olonga R.O., Ndunda E., **Makokha M.** (2015). Seasonal variations of physico-chemical and microbiological characteristics of groundwater quality in Ruiru, Kiambu county, Kenya. *International Journal of Scientific and Research Publications (IJSRP)*, Volume 5, Issue 12, December 2015 Edition [ISSN 2250-3153]. www.ijsrp.org/research-paper-1215/ijsrp-p4862.pdf
- Nyakundi R.M., **Makokha M.**, Mwangi J.K. and Obiero C. (2015). Impact of rainfall variability on groundwater levels in Ruiru municipality, Kenya. *African Journal of Science Technology Innovation Development. Taylor and Francis publisher Vol 7 (5) pg 329-335.*
<http://dx.doi.org/10.1080/20421338.2015.1085157>

Funded Projects

- 2021 Consultant for Capacity Development and consultancy services (Kenyatta University) to develop training manuals for course: Valuing Variability (VV) in the ASALs for food and water security in Collaboration with IIED and BRECCIA partners

- 2020 Third World Academy of Sciences (TWAS/UNESCO) grant, Water, sanitation and hygienic practices and the COVID-19 pandemic spread among Kenyan coastal communities
Kenya' Principal Investigator; Dr Mary Makokha (USD 10,650)
- 2020-won Tender **NRT/12/2019** — Water Resource Mapping and Development of Water Management Strategies in Six (6) Selected Community Conservancies Samburu and Isiolo Counties (Kshs 6.5M)
- 2018- 2020; International Foundation of Science (IFS) funded project on 'Evaluating The effect of Produced Water on the Water Resources in the Oil Production Fields, Case Study; Lokichar Oil Fields, Northern Kenya' Principal Investigator; Dr Mary Makokha (USD 12,000)
- 2015-2016: Vice chancellors grant, KU, Project Title" Assessment of Hydrogeology the Geochemistry of the Groundwater systems in Kenyatta University and the Emerging surrounding settlements; Principal Investigator; Dr Mary Makokha (KShs 1.8M)
- 2015: Nominated for Kenyatta University- **KITE** project; **ERASMUS MUNDUS – European Union Award-** Staff Mobility Programme- at Masaryk University; Czech Republic (Euro 2500)
- 2013- 2014; Natural Environment Research Council (NERC) UK, Urban Groundwater (UPGro) Catalyst grants, Project title "**Towards groundwater security in Coastal East Africa**" Principal Investigator; Kenyatta University, Project Partners; Dr Mary Makokha, Kenyatta University, other partnering institutions; Queens University Belfast, UK Pwani University, Sokoine university, , University of Comoros, University of Dar-Es-salaam (£ 150,000)
- 2012 International Foundation of Science (IFS) funded project on: The Effect of Climate change on Groundwater Levels and Groundwater Quality in Kenya's Urban Environment; A Case Study of Ruiru; Principal Investigator; Dr Mary Makokha (USD 12,000)
- 2011-2013 nominated for African Women in Agricultural Research and Development (AWARD) a project of CGIAR Gender & Diversity Program (G&D) sponsored by Bill and Melinda Gates Foundation; (USD, 90,000)

Supervision of Postgraduate Students

Masters

COMPLETED AND GRADUATED

SN	Name	Registration No./Institution	MSc Research Project	Supervisors	Status
1.	Ashun Ebenezer	Kenyatta University I56F/23073/2011	Physico Chemical and microbiological assessment of groundwater: a case of the Bwathanaro Sub catchment in Meru, Kenya	Dr Ondieki Dr Mary Makokha	Completed MSc (IWM) Graduated June 2014
2	Gloria Reuben	Kenyatta University REG. N ^o : I56EA/22206/2011	Assessment of industrial effluent discharge on surface water pollution in Moshi urban district sub catchment in Pangani river basin, Tanzania	Dr Mary Makokha Dr George Makokha	Graduated MSc (IWM), Graduated July 2015
3	Rael Mongina	Jomo Kenyatta University EN351-2423/2012	Effect of Climate change on groundwater levels in Kenya; case study Ruiru,	Dr Mwangi Dr Mary Makokha	Graduated MSc (Civil Engineering) Graduated November, 2016
4.	Rachel Alonga Otieno	Kenyatta University N50/CTY/PT/23663/2013	Groundwater Quality and its suitability for domestic use in Ruiru Area, Kiambu county, Kenya	Dr Ezekiel Ndunda Dr Mary Makokha	Graduated MSc (Environmental Science) Graduated December 2016
5.	Julius Ndemere	Kenyatta University I56EA/27484/2014	Analysis of soil and water conservation technologies on selected soil properties in Maziba Sub Catchment, Kabale—Uganda	Dr Mary Makokha Prof Tenywa	Graduated MSc (IWM), Graduated July 2018

ONGOING MASTERS SUPERVISION

SN	Name	Registration No./Institution	MSc Research Project	Supervisors	Status
1.	Idrissa Yusuf	Kenyatta University I56EA/37117/2017	The Assessment of Sea water intrusion into groundwater aquifer on Zanzibar Island	Dr Mary Makokha Prof Joy Obando	IWM Submitted thesis
2	Miriam odongo	Kenyatta University	Evaluating seasonal variations in ground quality in Kamiti Marengeta subcatchment, Kiambu County, Kenya	Dr Mary Makokha Prof Joy Obando	Hydrology and water Resources Thesis submission
3.	Moses Tsuma	Kenyatta University I56/31467/2015	Evaluating Demographic Changes and Rainfall Variability on The Hydrogeology of Kenyatta University and its Emerging Environs, Nairobi County	Dr Mary Makokha Prof. Joy Obando	Hydrology and water Resources Submitted first draft Thesis
4.	George Gor	Kenyatta University I56/CE/37531/2016	Effects of variation in rainfall amounts on water table fluctuations in Kano plains- River Nyando basin	Dr Mary Makokha Prof. Joy Obando	Hydrology and water Resources Field data collection
5.	Christine Mukabali	Kenyatta University I56/CE/25207/2018	Assessment of seasonal variation of domestic water quality in shallow wells in Ndivisi Sub-catchment- Bungoma county	Dr Mary Makokha Dr Anthony Macharia	Hydrology and water Resources Field data collection

6.	Janeth Seguth	Kenyatta University I56/CE/25207/2018	Assessment of drinking water quality in shallow wells in Kipsonoi Sub-catchment – Bomet county	Dr Mary Makokha Dr Obiero	Hydrology and water Resources Field data collection
7.	Naomi Ndichu	Kenyatta University C50/CE/34466/2016	Analysis of macro-invertebrate diversity as influenced by water quality in upper Nairobi River, Kenya	Dr Raphael Kweyu Dr Mary Makokha	Biogeography Proposal development
8	Joel Aholi	Kenyatta University I56/CE/25031/2018	Evaluating the effect of LULC and rainfall variability over Edzava watershed Vihiga	Dr Mary Makokha Dr Anthony Macharia	Hydrology and water Resources Proposal development
9.	Karugu Beth Munjiru	Kenyatta University I56/CE/34260/2018	Effects of selected Agricultural land-use on sediment composition along Thuruthuru subcatchment in Muranga-	Dr Mary Makokha Prof Joy Obando	Hydrology and water Resources Proposal development
10	Ruth Momanyi	I56/33290/2016	Effects of LULC dynamics on water quality in Montoine Nairobi River basin- Kenya	Dr Shadrack Murimi Dr Mary Makokha	IWM Proposal development
11	David Mbugua	Kenyatta University I56/39499/16	Characterization of produced water and its effect on physic-chemical properties of groundwater in Lokichar basin, Turkana County	Dr Mary Makokha Prof Chris Shisanya	IWM Field data collection
12.	Gitari Franklin	Kenyatta University I56/39499/16	Effect of oil Exploration on groundwater levels and reservoir geology in	Dr Mary Makokha Prof Chris Shisanya	IWM Field data collection

			Lokichar Basin		
13	Florence Khaendi	Kenyatta University I56/37270/2017	Assessment of sand dams' performance in terms of siting design and community adoption in Ndianzuri river, Kitui, County	Dr Mary Makokha Prof Chris Shisanya	Hydrology and water Resources Proposal development
14	Elizabeth Luswet	Kenyatta University I56/38139/2017	Effect of increased groundwater abstractions on surface water quality, Lokichar basin, Turkana County, Kenya'	Dr Mary Makokha Prof Chris Shisanya	Hydrology and water Resources Field data collection
15.	Janeth Seguth	Kenyatta University I56/CE/34857/2016	Effects of human activities on drinking water quality in shallow wells in chesoen sub catchment, bomet county	Dr George Makokha Dr Mary Makokha	Hydrology and water Resources Proposal development
16	George Otieno Gor	Kenyatta University • I56/37531/2016	Quantify the impact of anthropogenic activities on ground water table dynamics, Nyando River Basin, Kenya	Prof. Joy Obando Dr Mary Makokha	Hydrology and water Resources Drafting thesis
17.	Oundo Dickson Dancan,	Kenyatta University I56/CE/21015/2012	Impact of land-use activities on water quality in River Karoha, Malewa catchment, Nyandarua County, Kenya	Prof. Joy Obando Dr Mary Makokha	Geomorphology Field work

18	Boris Kiprop Kipkemei	Kenyatta University C50/NKU/CE/28229/	Perception of agropastoral communities on effects of climate variability on water resources in Baringo South Sub-County Kenya	Dr Mary Makokha	Geomorphology Proposal development
19	Amimo Meshack Awira	Kenyatta University I56/CE/24820/2014	Effects of Hydrogeochemical parameters on the water quality in the Merti Aquifer, Garissa County, Kenya	Prof Joy Obando Dr Mary Makokha	Geomorphology Proposal development
20	Onkoba George Morara	Kenyatta University I56/CE/20777/2012	Evaluation of land use practices on water quality in the Upper Gucha - Migori River Catchment Area, Kenya.	Dr Kennedy Obiero Dr Mary Makokha	Geomorphology Proposal development
21	Simon Masongo	Kenyatta University C50/CE/25030/2014	Determining water quality status on livelihood within Upper River Gucha in Nyamira County	Dr Kennedy Obiero Dr Mary Makokha	Proposal development

Ph. D

Ongoing PhD Supervision

SN	Name	Registration No./Institution	Research Project	Supervisors	Status
1.	Muuu Moses Kagiri	Kenyatta University I84/22447/2012	Hydrological Modeling of Water demand and supply trends for Sustainable Management of Ndarugu- Thiririka Sub-Catchment, Kiambu County	Prof Obando Dr Mary Makokha	Submitted proposal, carrying out field work
2.	Muriuki Karugi Moses	Kenyatta University C82/37389/2017	Impacts of Climate and land-use changes on water resources in Upper Ewaso Nyiro River Basin	Prof Obando Dr Mary Makokha	Submitted proposal to graduate school, doing field work

-

Professional/ Consultancy (Editor/ Peer review in journals, Networks/ Collaborations, External Examiner, Patents)

- **Trainer/ Resource person** for PhD applicants Research proposal writing skills workshop organized by The Kenya DAAD Scholars Association (KDSA), The Humboldt Alumni in Kenya, the REAL -UNISTAFF Alumni in Kenya and the IDC-UNILEAD Alumni together with the Graduate Schools of the various Universities in Kenya, DAAD Nairobi, the National Council of Science and Technology (NCST); Karatina University College, Kenya, 1-3rd August, 2012.

Reviewer

- Reviewer; papers presented in the 6th ICAT conference section of Policy and standards

Being Invited as Guest Writer

- 6th June, 2010; Invited as Guest Writer for the Technology News Magazine; Makerere University, Uganda; article entitled; “The relevancy of Groundwater Studies in Africa-

Community Service and Other Engagements

International Committee

Book chapter: contributed to the book “**World Cook Book- Dishes from around the World**”; 2013; Pg 77- 80

<http://www.kyoto->

[u.ac.jp/contentarea/ja/news_data/h/h1/news7/2013/documents/130322_2/01.pdf](http://www.kyoto-u.ac.jp/contentarea/ja/news_data/h/h1/news7/2013/documents/130322_2/01.pdf)

Other Community Duties

Mentoring and Counselling day; Guest Speaker; Lake olbolosat High School, Olkalaou, 02/10/2015

Mentoring and Career choice day; Guest Speaker; Lake olbolosat High School, Olkalaou, 11/10/2014

Patron/Pastor, Kings outreach Fellowship, Kenyatta University Chapter, 2010 to present

2011-2013; involved in organization for the public lectures by Prophet Dr Edward Owuor in Kenyatta University

Affiliation of Professional Bodies

Member, International Association of Hydrogeologists (IAH)

Member, African Women in Agricultural Research Development (AWARD) alumni

Member, Gender and Water alliance (GWA)

Women Organizing for Change in Agriculture & Natural Resource Management (WOCAN)

Member, Global Groundwater Monitoring Network (IGRAC)

Member, Capacity Building Water Resources Network (WaterNet)

Member, Japan Society of Irrigation, Drainage and Reclamation Engineering (JSIDRE)

Administrative Positions Held

Recognized university administrative positions

- 2018 to date, member of School postgraduate board of examiners, SPAS
- 2017 to date, member, curriculum review committee Geography Department, Kenyatta University
- 2016-to date Member, ISO Quality Assurance committee, Geography Department, Kenyatta University
- 25th February, 2015 Secretary, to University Proposal Writing Committee on DAAD-IN-Country/In Region Scholarships for Master and Doctoral studies
- 20th January 2014 -29th November. 2014, Member, appointed by University to the Planning local committee; the 6th ICAT Conference on Appropriate Technology that was held on 25th 29th November, 2014
- Oct 2014 to 2016: Member of University Next Generation Academic Researchers' Network (NGARN); Kenyatta University
- Member of University, organizing committee of receiving books from the SABRE foundation, USA, 2010
- Member; Committee to develop a Proposal on the Design Development Models of the GIS Based National and Land Information Management System (NLIMS) 2014
- July 2014- to 2016: Convener, Departmental Research Committee
- July 2014 – 2015 Member, Departmental Board of Postgraduate Studies
- 25th July – 29th November, 2013 Acting Chairperson, Department of Civil Engineering,
- 9th July - 22nd July, 2013, Acting Chairperson, Department of Water and Environmental Engineering April

- 2013-2015 Member, ISO Quality Assurance committee, Civil Eng Dept, Kenyatta University
- Nov. 11th- 24th Dec 2011, Acting Chairman, Department of Water and Environmental Engineering

Kindly use this format for your online CV submission and send it to: webmaster@ku.ac.ke to enable updates to your web page.