

# CURRICULUM VITAE

## 1.1 PERSONAL INFORMATION

Raphael M Kweyu

Lecturer of Physical Geography;

Environmental Governance and Management Specialist



## 1.2 CONTACT ADDRESS

Department of Geography, Kenyatta University

P. O. Box 43844 00100, Nairobi, Kenya

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Skype: rkweyu2014

## 1.3 WORKING LANGUAGES

English

Kiswahili

## 2.1 QUALIFICATIONS

Institution	(Date from - Date to)	Degree obtained
University of Nairobi	Aug '12 – Aug '15	PhD in Environmental Governance & Management
Kenyatta University	Sep '05 – Dec '09	MSc in Biogeography
Kenyatta University	Sep '01 – Dec '04	B.Ed (Geography & Business studies)

## 2.2 PH.D. THESIS

Linking the Spatial and Social factors in forest related conflicts among communities residing adjacent to Eastern Mau forests, Kenya.

## 2.3 M.SC. THESIS

Spatial analysis of Trees Outside the Forest as influenced by land cover categories in River Sio Basin, Kenya

## 2.4 PROFESSIONAL COURSES

Training in Natural Resource Mediation in Nairobi-Kenya Feb 2020

Training in Reflexive mediation in Nairobi- Kenya Feb-March 2017

Training in Scientific Communication in Nairobi-Kenya Nov 2015

Experiential learning course on natural resource conservation in Managua and Zapatera Is - Nicaragua Feb-March 2013

Certificate in Natural resources conflict management in Copenhagen-Denmark Sept-Dec 2012

## 2.5 COMPUTER TRAINING AND KNOWLEDGE

**GIS:** ArcGIS 10.x, ARC/INFO, QGIS in Nairobi Kenya October 2011

Qualitative Data analysis: NVIVO 12.0 by QSR international training in Lilestrom, Norway April' 2014

### 3.1. FELLOWSHIPS AND SCHOLARSHIPS AWARDED

Mentorship award at ILRI under the AgriFose2030 programme 2018-2019

PHD Scholarship at the University of Nairobi, Kenya funded by DANIDA 2012-2015

### 3.2. TRAVEL GRANTS

Joint Nordic Conference on Development Research 2019

## 4.1. EMPLOYMENT RECORD

**Country:** Kenya

**Dates:** October 2015 to Present

**Position:** Lecturer

**Employer:** Kenyatta University

**Description of Duties:** Teaching physical Geography (Geomorphology, Hydrology, Biogeography, and Climatology) and Environmental Geography (Integrated Watershed Management). Member to committees at Departmental level.

**Country:** Kenya

**Dates:** February 2014 to September 2015

**Position:** Tutorial Fellow

**Employer:** Kenyatta University

**Description of Duties:** Teaching physical Geography (Geomorphology, Hydrology, Biogeography, and Climatology). Member to committees at Departmental level.

**Country:** Kenya

**Dates:** February 2011 –2014

**Position:** Assistant Lecturer

**Employer:** Mount Kenya University

**Description of Duties:** Teaching physical Geography Member to committees at the School and University level.

**Country:** Kenya

**Dates:** 2006-2008

**Position:** Teacher

**Employer:** Banana Hills High School

**Description of Duties:** Teaching Geography and Business Studies

## 4.2. OTHER KEY QUALIFICATIONS/EXPERIENCE

AREA OF EXPERIENCE	EXPERIENCE
GIS and Remote Sensing	<ul style="list-style-type: none"> <li>• Expert in GIS: ARCGIS 12.x/9.x/10.x, ARC/INFO</li> <li>• Performed mapping of conflict hot spots in a forested area</li> <li>• Analyzed land cover/use change for East Mau Forests</li> </ul>
Quantitative Data	<ul style="list-style-type: none"> <li>• Knowledge in SPSS (Parametric and non- parametric tests)</li> <li>• Experience in Regression Analyses</li> <li>• Experience in Differences in Difference (DID)</li> <li>• Analyzed data for the Girl Education Challenge (GEC 2016-2017)</li> </ul>
Qualitative Data	<ul style="list-style-type: none"> <li>• Expert in qualitative data coding: NVIVO 12.0 software</li> <li>• Analyzed forest related conflicts for Mau complex, Kenya</li> <li>• Analyzed forest management for Mt Elgon, Uganda</li> </ul>
Conflict mediation	<ul style="list-style-type: none"> <li>• Reflexive mediation</li> <li>• Developed a policy Brief for management of Mau forest complex</li> </ul>

## 5.1. ADMINISTRATIVE RESPONSIBILITIES

Departmental Examinations Coordinator for Geography at Kenyatta University Feb 2016-Mar 2020

Head of Humanities Department at Mount Kenya University June 2011-June 2013

Head of Humanities Department at Banana Hills High School 2007-2008

## 6.1. POSTGRADUATE SUPERVISION

## 6.2. PHD SUPERVISION

SN	Name	Registration Number	PhD Research Project	Supervisors	Status
1	Florence Ogutu	A82/50000/2015	Solid waste Management	Dr Dennis Kimata Dr Raphael Kweyu	Graduated in 2020
2	Jeffrey Ngari	A82/99707/2015	Landscape changes	Prof Gideon Nyamasyo Dr Raphael Kweyu	Fieldwork

**6.3. MASTERS RESEARCH SUPERVISION**

<b>SN</b>	<b>Name</b>	<b>Registration</b>	<b>Masters Research Project</b>	<b>Supervisors</b>	<b>Status</b>
1.	John Mbai	MAGE/0003 14/1122/198 69	Rural Electrification and SMEs	Prof Zadoc Ogutu Dr Raphael Kweyu	Graduated in 2017
2.	Eliud Kavusa	MAGE2013/ 46258	Sustainable Forest Management	Prof Joy Obando Dr Raphael Kweyu	Graduated in 2018
3.	Elizabeth Mbae	MAGE/2013 /46425	Khat Market ban Impacts	Dr Raphael Kweyu Dr Jane Kagendo	Graduated in 2019
4.	Laura Agweyu		Participatory Forest Management	Dr Raphael Kweyu Dr Thomas Kibutu	Completed. Awaiting graduation
5.	<b>John Mugambi</b>	<b>MAGE/71452/ 2017</b>	Participatory Forest Management	Dr Raphael Kweyu Dr Jane Kagendo	Submitted thesis for examination
6.	Fred Kandawala	<b>C50/CE/278 59/2013</b>	Susceptibility of hills to landslides	Prof Joy Obando Dr Raphael kweyu	Submitted thesis for examination
7.	Chris Anyembe		Geomorphic responses to River system dynamics	Dr Shadrack Murimi Dr Raphael Kweyu	Thesis writing

## **7.0. CONFERENCES/SEMINARS/WORKSHOPS**

### **7.1 PARTICIPATION/ATTENDANCE OF CONFERENCES/WORKSHOPS**

Speaker at the ‘Environmental Dimensions of Conflict in the Middle East and Beyond (EDCM)’ October 8, 2020 (virtual).

Panelist at the ‘youth for the tropics’ workshop on 12<sup>th</sup> August 2020 (virtual)

<https://www.akademisains.gov.my/asm-focus/youth-for-the-tropics-webinar-sessions-in-celebration-of-international-youth-day/>

Non-elite environmentalism in the global context workshop in Narok, Kenya, 24 October, 2019

East African Capacity Building Workshop on Drought Monitoring and Forecasting at UNECA in Addis Ababa-Ethiopia, 8-10 October 2019

Annual Research Forum as part of the Leading Integrated Research for Agenda 2030 in Africa (LIRA 2030 Africa) at Université Cheikh Anta Diop de Dakar-Senegal, 24-29 March, 2019

Launch of RESSA project at Kwame Nkrumah University of Science and Technology (KNUST) in Kumasi-Ghana, 28-29 June, 2018

Inception workshop for a project on Building Research Capacity for Water and Food Security in arid lands of Sub-Saharan Africa (BRECCIA) at the University of Southampton- UK, November 2017

Pathways for Resilience in Semi-Arid Economies (PRISE) workshop at London School of Economics, London-UK, February 2015

Qualitative research training workshop in Lillestrom, Norway, April 2014

Laureate in the Democratic governance Institute in Dakar, Senegal, August 2013

Experiential learning course in Nicaragua, March 2013

Research Exchange programme at the University of Copenhagen-Denmark, September-December 2012 & April 2014

Proposal Writing Workshop on Neglected and Underutilized Species (NUS) of Plants, in Lilongwe, Malawi, June 2012

Society for Conservation GIS Advanced ArcGIS training from at the ESRI Eastern Africa, Nairobi, 2011

Regional Centre for Mapping of Resources for Development (RCRCD), Nairobi, attained a certificate in ArcGis 1 and 2, April 2007

## 7.2. PRESENTATION OF PAPERS AT ACADEMIC AND PROFESSIONAL CONFERENCES

Kweyu R & Wamalwa H, Katulu Social Innovation in Kenya, Joint Nordic Conference on Development Research at Copenhagen Business School in Copenhagen-Denmark, 27-28 June 2019

Kweyu R & Wamalwa H, Evaluation of Livelihoods Impact of Climate Variability Adaptation Programs, International Interdisciplinary Conference at Kyambogo University in Kampala-Uganda, August 2017

Kweyu R, Thenya T, Kiemo K, Emborg J, Micro-Geopolitics and conflict hotspots in the Rift valley, Kenya (1967-2014), Australian Political Studies Association (APSA) Annual conference at (video conferencing)

Kweyu R, Climate governance; can devolution assist the marginalized to adapt to climate? The Economic Justice Institute of CODESRIA in Maputo-Mozambique, June 2017

Kweyu R, *Eleusine coracana* Yield Estimation: Integrating Remote Sensing and Farm Management Practices in Busia-Kenya, University of Nairobi- Kenya, October 2015

Kweyu R, Ethnicity in the forest 1967-2014, Post Graduate conference on History & Environment at the History Department in the University of Dar-es Salaam, Tanzania, August 2015

## 7.3. CONVENING AND COORDINATING CONFERENCES/ SEMINARS

Main speaker in a seminar on Ethnicity and Peaceful Election hosted by Nairobi University Agriculture Students Association, 26<sup>th</sup> May 2017

## 8.1. RESEARCH AND PUBLICATIONS

### 8.2. REFEREED PUBLICATIONS

Simiyu, S. N., **Kweyu, R. M**, Antwi-Agyei, P., & Adjei, K. A. (2020). Barriers and opportunities for cleanliness of shared sanitation facilities in low-income settlements in Kenya. *BMC Public Health*, 20(1), 1-12.

Antwi-Agyei P, Dwumfour-Asare, B, Adjei, K, **Kweyu, R**, Simiyu, S. (2020). Understanding the Barriers and Opportunities for Effective Management of Shared Sanitation in Low-Income Settlements- The case of Kumasi, Ghana, *International Journal of Environmental Research and Public Health*, 17, 4528; doi:10.3390/ijerph17124528.

**Kweyu, R. M**, Thenya, T., Kiemo, K., & Emborg, J. (2020). The nexus between land cover changes, politics and conflict in Eastern Mau forest complex, Kenya, *Applied Geography*, 114, 102115.

- Mugambi, J. M., Kagendo, J., **Kweyu, M.**, & Mbuvi, M. T. E. (2020). Influence of Community Forest Association Activities on Dryland Resources Management: Case of Kibwezi Forest in Kenya. *Management*, 5(3), 119-128.
- Laura, A., **Kweyu, R. M.**, & Thomas, K. (2020). The Nexus Between Community Participation In Conservation And Land Cover Change In Kakamega Forest, Kenya. *Mugla Sitki Kocman University Journal of Social Sciences*, 5(9).
- Ogotu FA, Kimata DM, **Kweyu RM.** (2020). Partnerships for sustainable cities as options for improving solid waste management in Nairobi city. *Waste Management & Research*. November 2020. doi:10.1177/0734242X20967735
- Ogotu, F. A., Kimata, D. M., & **Kweyu, R.** (2020). A critique on sustainable cities waste management predicaments; case of Nairobi City, Kenya. *Journal of Applied Sciences and Environmental Management*, 24(10), 1801-1810.
- Mugambi, J. M., Kagendo, J., **Kweyu, M.**, & Mbuvi, M. T. E. (2020). Effects of Leasehold on Community Forest Association Benefits in Dryland Resources Management: A Case Study of Kibwezi Forest in Kenya. *Asian Journal of Geographical Research*, 37-47.
- R. Kweyu**, K. Kiemo, T. Thenya, J. Emborg & C. Gamborg. (2019). Spatial and Political Factors in Forest Resource Conflicts: The Eastern Mau Forest Case 1992–2014, *Society & Natural Resources*, 32:11, 1276-1292, DOI: [10.1080/08941920.2019.1620899](https://doi.org/10.1080/08941920.2019.1620899)
- Kweyu R.** (2019). Save the Mau through peace: Integrating Mediation in forest management. Policy [https://www.slu.se/globalassets/ew/org/andra-enh/uadm/global/agrifose/outputs/briefs/ilri2020/raphael-kweyu\\_final-policy-brief.pdf](https://www.slu.se/globalassets/ew/org/andra-enh/uadm/global/agrifose/outputs/briefs/ilri2020/raphael-kweyu_final-policy-brief.pdf)
- Kweyu, R. M.** (2018). Finger Millet (*Eleusine coracana*) Yield Estimation: Integrating Remote Sensing and Farm Management Practices in Busia-Kenya, *Africa Environmental Review Journal*, 3(1), 143-152
- Ogotu F, Kimata D, **Kweyu R** (2018). Factors Affecting the Use of Environmental Values and Ethics in Solid Waste Management Management in Nairobi County, *International Journal of Environmental and Health Sciences*, 1 (1), 2018
- Ogotu F, Kimata D, **Kweyu R** (2018). Essence of Environmental Governance in Solid Waste Management: A Spatial Analysis of the unplanned Dumpsites in Nairobi County, *African Research Journal of Education and Social Sciences*, 5(2), 2018
- Ogotu, F. A., Kimata, D. & **Kweyu, R.** (2018). The role of institutions in SWM in Nairobi County using environmental SWM policy frameworks for sustainable waste management. *International Academic Journal of Social Sciences and Education*, 2(1), 158-167
- Kweyu, R.** (2017). Can Devolution assist Kenyan Marginalized communities to adapt to climate? *CODESRIA Bulletin No.3&4 2017*
- Barthelme J, Hunt K, Ngari L, Kipintoi W, **Kweyu R**, and Murimi S. (2009). Renewed Survey and Excavations in the Lake Magadi Basin Southern Kenya in *Nyame Akuma, Bulletin of the Society of Africanist Archaeologists* No. 71 June 2009

### 8.3. PAPERS IN CONFERENCE PROCEEDINGS

**Kweyu, R., Obando, J and Murimi, S.** (2011). The influence of Socio-economic factors on trees outside forests in Sio River Basin, Kenya, *The Lake and Catchment Research Symposium (LARS)* [http://www.uni-siegen.de/zew/publikationen/pdf/lars\\_proceedings\\_2011.pdf](http://www.uni-siegen.de/zew/publikationen/pdf/lars_proceedings_2011.pdf)

### 9.0 BOOKS

**Kweyu, R** (2011). *Trees Outside the Forests (TOF); A case of Sio River Basin, Kenya, the Interactions between TOF and Landuse/ Landcover*. Verlag Dr Muller, Saarbrucken. ISBN 978-3-639-33334-3

### 9.1 CHAPTER IN BOOKS

**Kweyu, R., Thenya, T., Emborg, Jens & Kagombe, J.,** (2018). Forest Related Conflicts: Management and Capacity Building. *Forest Resources Utilization, Livelihoods and Conflicts: Synthesis of research under the "Stabilizing Kenya Through Solving Forest Related Conflicts project" (STAKE) 2012-2016*. Wahome, R., Thenya, T., Vindelov, V. & Emborg, J. (eds.). Lambert Academic Publishing, p. 90-91

**Kweyu, R., Thenya, T., Emborg, Jens & Kagombe, J.** (2018). Policy on conflict resolution in Kenya: Forest Related Conflicts - Management and Capacity Building. *Forest Resources Utilization, Livelihoods and Conflicts: Synthesis of research under the "Stabilizing Kenya Through Solving Forest Related Conflicts project" (STAKE) 2012-2016*. Wahome, R., Thenya, T., Vindelov, V. & Emborg, J. (eds.). Lambert Academic Publishing, p. 117-123

**Kagombe, J, Kweyu, R and Thenya, T** (2018). Capacity building on participatory Forest management & Conflict management Courses in Wahome, R, Thenya T, Vindelov V, Emborg J. (Eds). 2018. *Forest Resources Utilization, Livelihoods and Conflicts: Synthesis of research under the "Stabilizing Kenya Through Solving Forest Related Conflicts project" (STAKE) 2012-2016* , Saarbrücken, Germany: Lambert Academic publishers.

### 10.1 NETWORKING AND COLLABORATION WITH EXTERNAL ORGANIZATIONS

From Climate Change Adaptation to Climate Resilience – Identifying the missing links (2021), collaboration between Kenyatta University, Nordic African Institute and University of Dar-es-Salaam. <https://nai.uu.se/research-and-policy-advice/project/from-climate-change-adaptation-to-climate-resilience---identifying-the-missing-links.html>

Research on Shared Sanitation (RESSA 2018-2020), a collaboration between African Population and Health Research Center (S. Simiyu) , Kenyatta University (**R Kweyu**), University of Energy and Natural Resources-Ghana (P Antwi-Agyei) and Kwame Nkrumah University of Science and Technology (K. Adjei). <https://aphrc.org/project/the-research-on-shared-sanitation-in-africa-ressa-2018-2020/>



## 11.1 RESEARCH GRANTS AWARDED

**June, 2018:** Co-Investigator for ‘Management of shared sanitation facilities in informal settlements of Kisumu, Kenya and Kumasi, Ghana’ under LIRA 2030 Africa Grant for 2018. Grant No: LIRA2030-GR04/18

**September, 2014** –Lead researcher on socio-economic impacts of climate variability projects and indigenous knowledge: a case of Kitui County, a project funded under the Pathways to Resilience in Semi-arid Economies Small Grants Programme (F01617)

**November, 2013** –Lead researcher on Finger millet and local knowledge in Western Kenya, a project funded by the International Foundation of Science (IFS). Project number **C/5463-1**

## 12.1 CONSULTANCY

2015-2017 M&E Researcher with Women Education Researchers of Kenya (WERK) on Wasichana Wote Wasome project, a DfID funded Girl Education Challenge (GEC)

2018-2019 Qualitative data analyst with CIFOR (Nairobi) on

2018-2019 Mentee at ILRI under AgriFose 2030 project

## 13.1 MEMBERSHIP TO PROFESSIONAL BODIES AND SOCIAL SERVICES

2020-Member and Deputy Secretary to the GBM Board

2018-: Full member of the Green Belt Movement (GBM-Kenya)

2009-: Member of the Ecological Society of East Africa

2007-: Member of the Society of African Archeologists

## 14.1 REFEREES

Dr Thomas Kibutu Chairman, Department of Geography Email: chairman-geography@ku.ac.ke	Prof Chris Shisanya Full Professor of Agro- climatology Department of Geography Email: shisanya.christopher@ku.ac.ke	Prof Joy Obando Associate Professor of Geomorphology Department of Geography Email: obando.joy@ku.ac.ke
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