


CURRICULUM VITAE

PERSONAL INFORMATION

	Name:	Amon Mwangi Karanja, PhD
	Date of Birth:	09/01/1982
	Home County:	Nyandarua
	Gender:	Male
	Nationality:	Kenyan
	Address:	328, Oljoro-orok
	Email:	amonmwangi@yahoo.com , Amon.karanja@egerton.ac.ke https://process.unfccc.int/sites/roe/Pages/default.aspx#/home
	Mobile No:	
	Marital Status:	Married with three children

EDUCATION BACKGROUND

Year	EDUCATION	INSTITUTION
2025	Post Graduate Diploma in Leadership and Accountability	Open University of Kenya
2019	Postdoc Fellowship	International Livestock Research Institute
2018	PhD Geography	Egerton University, Kenya
2013	M.A Geography	Kenyatta University, Kenya
2006	B.Ed (ARTS)	University of Nairobi, Kenya
2000	Kenya Certificate of Secondary Education (KCSE)	Kangui Boys Secondary School, Nyandarua County
1996	Kenya Certificate of Primary Education (KCPE)	Kirima Primary School, Nyandarua West sub-County

WORK EXPERIENCE

YEAR	POSITION	INSTITUTION
2024-Date	Senior Lecturer	Masinde Muliro University of Science & Technology
2015- 2024	Lecturer, Department of Geography	Egerton University, Kenya
2020-2024	Member Departmental Postgraduate Committee	Department of Geography Egerton University, Kenya
Mar- Aug 2015	Assistant Lecturer	Chuka University, Kenya
2013-Date	Adjunct Faculty Member	Mount Kenya University, Kenya
2012-2015	Graduate Teacher II	St. Joseph Kari Secondary School Lanet (Teachers Service Commission of Kenya)
2009-2012	Graduate Teacher II	Mother of Apostles Seminary, Eldoret
2007-2008	Graduate Teacher II	Rosewood Girls Secondary School

SPECIALIZED SKILL

<ol style="list-style-type: none">Geographic Information System- Central University of Karnataka, IndiaCertified Public Accountant Part One- Kenya Accountant and Secretarial National Examination Board

LEADERSHIP RESPONSIBILITIES AND COMMUNITY SERVICE

YEAR	POSITION	INSTITUTION
Jul 2022- Date	Chair Board of Management	Kenyatta Mixed Sec School, Njoro
May 2022-Date	Member Board of Management	Hospital High Sec School, Nyandarua West
Jul 2021- 2024	Chair Geography Welfare	Egerton University
Aug 2019-2024	BSc Geography Program Leader	Egerton University, Kenya

Aug 2018- 2024	Chair, Postgraduate Committee and Representatives to Graduate School	Egerton University, Kenya
Jan-Dec 2018	Examination officer	Department of Geography Egerton University, Kenya
Jun-Aug 2017	Deputy Returning Officer	Independent Electoral and Boundaries Commission (Turbo Constituency)
Jan 2014-Feb 2015	Head of Exams Department	St. Josephs KARI Lanet Sec School
Dec 2012-Dec 2014	KCSE Examination Supervisor	Kenya National Examination Council

COMPLETED PROJECTS

YEAR	TITLE OF THE PROJECT
2020- 2023	Fellow at the Africa Research and Impact Network (AFRIN)
2015- 2018	Effects of Drought on Household Livelihoods and Adaptation Strategies in Laikipia West Sub-County, Kenya
2011-2012	Analysis of Rainfall Variability on Irish Potato Production in Ol-Joro-Orok Division, Nyandarua County,

CURRICULUM DEVELOPMENT/REVIEW

January 2025- Date: Leader of the Committee Developing a PhD Geography Curriculum, Masinde Muliro University of Science and Technology

December 2024: GEO 101 Content Development and Validation Open University of Kenya

June 2023: A member of the Curriculum development committee for Master of Science Geography program, Laikipia University

September 2023: Member of the Curriculum review committee for Bachelor of Science program, Egerton University

EXTERNAL EXAMINER

1. Department of Earth Sciences, School of Science and Technology Laikipia University

PhD SUPERVISION TO COMPLETION

1. Jakob Ondiko Haywood, **PhD**, Reg No: ND13/15540/19, Assessment of Meteorological Drought and impacts, adaptation constraints and crop farmers mitigation in dryland: A case of Makueni County, Kenya (**Graduate on 29th November, 2024**)

MASTER SUPERVISION TO COMPLETION

1. Samwel Kibe Rono, **M.A**, Reg No: MAGE/000314/2122/13267, Effects of Small- Scale Stone Mining on Households in Londiani Sub-County, Kericho County, Kenya (Mount Kenya University) (**Graduated on 4th August, 2022**)
2. Frankline Kiprotich Yatich, **M.A**, Reg No: NM14/12115/17, Assessment of Climate Smart Agriculture and their effects on Farmers' Livelihoods in Soy Sub County, Uasin Gishu County, Kenya (**Graduated on 27th October, 2023**)
3. Gabriel Kinyua Kinyingi, **MSc**, Reg No: KM23/14699/18, Factors Determining Access and use of Climate Advisory Services among Potato Agri-Enterprises in Nyeri County, Kenya (**Graduate on 29th November, 2024**)
4. Jackline Cherotich, **MA**, NM14/11011/20 Urban Population Growth and its effect on Land use Dynamics in Peri-Urban Zones in Nakuru North Sub County, Nakuru County, Kenya (**Graduate on 29th November, 2024**)
5. Charles Mwangi Macharia, **Msc**, NM14/13086/21 Determinants of Adoption of Green Technologies in the Construction of Buildings in Nakuru City, Kenya (**Graduate on 29th November 2024**)
6. Brenda Maiba Mengich, **MA**, NM13/04056/22 Influence of Water Level Variability on Economic Activities and Adaptation Strategies in Lake Naivasha, Kenya (**Graduate on 29th November 2024**)

ON-GOING PhD SUPERVISION

1. Pauline Wegesa Nyamohanga, **PhD**, ND13/16560/18, an Assessment of the Effects of Drought on

- Cattle Farming and Household Preparedness in Migori County, Kenya (**Thesis submitted for Examination**)
2. Winfred Mbinya Manetu, **PhD**, ND13/15546/2019, Evaluation of Prevalence, Determinants and Prevention Practices of Diarrhoea among Children under 5 Years in Machakos County, Kenya. (**Thesis submitted for Examination**)
 3. Meshack Opole Ombogo **PhD**, ND13/15551/19, Simulating Wheat Vegetative Health and Grain Yield under Climate Change Scenarios in Narok County of Kenya (**Thesis draft writing**)
 4. Mutai J. Kiprono, **PhD**, ND16/16532/18, Effects of Urban Agriculture on Livelihoods and its Relationship with Institutional and Legal Policies in Nakuru City, (**Data Collection**)

ON-GOING MASTERS SUPERVISION

1. Geoffrey Mukonambi Maina, **MA**, NSM14/14107/15, Spatio-Temporal Mapping of drivers of Land use Change and their Impacts on Lake Baringo Basin, Kenya (Egerton University).
2. Wesley Rotich, **MA**, MAGE/2018/40603, Assessment of Socio-Economic Factors Influencing the Welfare of Plantation Workers in Kiptagich Tea Estate, Nakuru County (Mount Kenya University)
3. Nicholas Tonui, **MA**, NM14/14508/18, Assessment of Spatial Variation and Prevalence of Pneumonia among Children under five in Ainamoi Sub-County, Kericho County-Kenya (Egerton University).
4. Moses Mwicigi Ngugi, **MSc**, NM14/13052/21, Assessment on the Effects of the Construction of Karimenu II Water Dam Project on Households and Community Well-Being in Gatundu North Sub-County, Kenya (Egerton University).
5. Gladys Jeruto Tuitoek, **MA**, NM13/04015/22, Assessment of the nexus between geo-factor and intercommunity conflicts in Kerio Valley, Kenya (Egerton University).
6. Stephen Juma Sikolia, **MA**, MAGE/2016/61493 Assessment of smallholder farmers adaptation strategies to rainfall variability in Bungoma County, Kenya (Mount Kenya University)
7. Joel Tome, **MA**, MAGE/2021/43843 effects of climate variability on household livelihoods and coping strategies among pastoralists in Narok east sub county, Narok county, Kenya (Mount Kenya University)
8. Philip Kimanzi Mwendwa Reg. No: MAGE/2023/64845 Nexus Between Indigenous Agricultural Practices And Climate Change Resilience In Mogotio Sub-County, Baringo Kenya (Mount Kenya University)

THESIS/PROJECT EXAMINED

1. Millicent Anyango Owiti, **MSc**, 2024: Habitat Change and Local Knowledge on Conservation of Sitatunga Antelope (*Tragelaphus Spekii*) in Saiwa Wetland, Trans-Nzoia County, Kenya (Department of Natural Resource, Egerton University)
2. Padiel Mwirigi, **MA**, 2024, Factors leading to the declining water levels of river Mutonga in Tharaka Nithi county, Kenya (Mount Kenya University)
3. Joseph Sikolia Wapukha, **MA**, 2024, Climate Variability and incidences of Gastrointestinal infections along the Lower River Sio Watershed, Western Kenya (Mount Kenya University)
4. Stephen Mwangi, **MSc**, 2022: Awareness and Perceptions of Climate Variability Adaptation among Forest Adjacent Communities in Mau Forest, Kenya (Department of Natural Resources, Egerton University)
5. Cheron Agnes, **M.A**, 2021: Effects of Climate Variability on Tea Production and Adaptation Strategies by Small Holder Farmers in Bomet County, Kenya (Department of Geography, Kenyatta University)
6. Akala Haron, **MSc**, 2018: Impact of Climate Variability on Honey Production: A case of Rarat and Marigat, Baringo County, Kenya (Department of Environmental Science, Egerton University)

ARTICLES PUBLISHED ON REFEREED JOURNALS

- Ondiko, J.H., **Karanja, A.M.** (2025) Effects of El Niño Southern Oscillation Teleconnections on Climate and Cereal Production in Africa. Journal of the Kenya National Commission for UNESCO
- Ondiko, J.H., **Karanja, A.M.**, Obulinji, H., Ondimu, K.N., (2024) Influence of Indian Ocean Dipole on Drought Occurrence in Makueni County, Kenya. Open Access Library Journal 11 (7), 1-11
- Kibet, R.S., **Karanja, A.M.** (2024). Effects of Stone Mining on Household Livelihoods in Londiani Sub-County. East African Journal of Environment and Natural Resources 7 (1), 469-474

- Yatich, F., **Karanja, A.M.**, Obulinji, H. (2024). Adoption of Climate Smart Agriculture Practices among Farmers in Soy Sub-County, Kenya. *Journal of the Kenya National Commission for UNESCO* 5 (1).
- Mengich, B.M., **Karanja, A.M.**, Ogendi, G.M., Morara, G.N. (2024). Effects of Surface Area and Water Level Variability on Fisheries Production in Lake Naivasha, Kenya. *Journal of the Kenya National Commission for UNESCO* 4 (2), 1-14
- Cherotich, J., Obulinji, H.W., **Karanja, A.M.** (2024). Perceived Effects of Land Use Changes on Household Livelihoods in Peri-Urban Areas of Nakuru City, Kenya
- Kinyua, G., Gathungu, E., & **Karanja, A.** (2022) Determinants of Adoption of Climate Smart Agriculture Technologies among Potato Farmers in Kieni Sub County, Nyeri County. *East African Agriculture and Forestry Journal*, 86(3&4),7.
- Opole, O. and **Karanja, A.M.** (2022) Regression Models in forecasting crop yield under climate change scenarios. *International Journal of Innovative Research and Development* ISSN2278-0211 (Online)
- Ondiko, J. H. and **Karanja, A. M.** (2021) Spatial and Temporal Occurrence and Effects of Droughts on Crop Yields in Kenya. *Open Access Library Journal*, 8: e7354. <https://doi.org/10.4236/oalib.1107354>
- Manetu, W.M. and **Karanja, A.M.** (2021) Waterborne Disease Risk Factors and Intervention Practices: A Review. *Open Access Library Journal*, 8:e7401. <https://doi.org/10.4236/oalib.1107401>
- Karanja, A.M.** (2020) Farmers' Adaptation Strategies to Rainfall Variability in Oljoro-Orok Division, Kenya. *Annals of Arid Zone* 59(3&4): 1-6
- Karanja, A.M.** (2020) Drought Risks Livelihoods in Laikipia County. Kenya Policy Briefs towards realisation of vision 2030. University of Nairobi Journals. <http://uonjournals.uonbi.ac.ke/ojs/index.php/kpb/issue/download/106/1>
- Karanja, A. M.** (2018) Potentials of Agricultural Production in Light of Climate Variability in Oljoro-orok Division, Kenya. *Asian Journal of Agricultural Extension, Economics and Sociology*, 27(4): 1-9, 2018;
- Karanja, A.**, Ondimu, K., Recha, C. (2018). Effects of 2009 on household livelihoods in Laikipia West sub-County, Kenya. *Annals of Arid Zone* 57 (1 & 2), 53-60 (<http://epubs.icar.org.in/ejournal/index.php/AZ/article/view/81096>)
- Ondiko, J.H., Ochieng', R. and **Karanja, A. M** (2018) Rainfall Variability Coping Strategies for Improved Food Security: A Case Study of Baringo South, Baringo County, Kenya. *The international Journal of Humanities and Social Studies* Vol 6 (9) 198-206
- Karanja, A. M**, Ondimu, K. and Recha, C. (2017) Analysis of Temporal Drought Characteristic Using SPI Drought Index Based on Rainfall Data in Laikipia West Sub-County, Kenya. *Open Access Library Journal*, 4: e3765. <https://doi.org/10.4236/oalib.1103765>
- Karanja, A. M**, Ondimu, K. and Recha, C. (2017) Factors Influencing Household Perceptions of Drought in Laikipia West Sub County, Kenya. *Open Access Library Journal*, 4: e3764. <https://doi.org/10.4236/oalib.1103764>
- Karanja, A.M.**, Shisanya, C. and Makokha, G. (2014) Analysis of rainfall variability on potato production in Kenya: a case of Oljoro-orok division. *Asian Journal of Applied Sciences*. Vol. 2 No.4 ISSN: 2321 – 0893 (<http://www.ajournalonline.com/index.php/AJAS>)
- Karanja, A.M.**, Shisanya, C. and Makokha, G. (2014) Analysis of the Key challenges facing potato farmers in Oljoro-orok division. Kenya. *Agricultural Sciences journal*, Vol.5 (<http://www.scirp.org/journal/as>) No.10. <http://dx.doi.org/10.4236/as.2014>.

CONFERENCE PAPER PRESENTATIONS

- Karanja, A.M** 2023. Leveraging Paradigm Shifts in Socio-Cultural and Environmental Changes and Adaptations in the Post Covid 19 Era. A keynote address during Kabarak University International Research Conference on Humanities and Social Sciences held on 23 rd-26th October, 2023
- Karanja, A. M.** 2018. Participated and presented a paper on Impact of the 2009 drought on household livelihoods in Laikipia West sub-County, Kenya during the 12th Egerton University International Conference from 27th-29th Mar 2018
- Karanja, A. M.** 2018. Participated and presented a paper on the analysis of the farmers' Adaptation Strategies to Rainfall Variability in Oljoro-Orok Division Nyandarua County, Kenya at Mount Kenya University Conference held on 1st March 2018 in Nakuru
- Karanja, A. M.** 2018. Participated and presented a paper on analysis of Temporal Drought Characteristic Using SPI Drought Index Based on Rainfall Data in Laikipia West Sub-County, Kenya at the 13th Kenya Meteorological Society (KMS) international Conference at Starback Hotel Eldoret on 20th -

22nd Feb 2018

- Karanja, A. M.** and Kihika, J. 2018. Participated and presented a paper on challenges and Opportunities for Resources Management in light of Climate Change; A case of Oljoro-Orok Division at 2nd international interdisciplinary conference at Kisii University 24th to 27th June, 2015.
- Karanja, A. M.** 2010. Adaptations to climate change for Sustainable development in Kenya. Article presented on a Joint International Moi and Bayreuth University Conference at Hotel Sirikwa- Eldoret on 17th - 20th November 2010
- Karanja, A.M.** 2010. the role of technology in Sustainable food production in Kenya. Article presented on the 6th Annual international conference 7th to 11th September, 2010 at Moi University, Eldoret.
- Karanja, A.M.** 2010. Mitigation of climate change for Sustainable development. Article presented and published on the 6th Annual international conference 7th to 11th September, 2010 at Moi University, Eldoret
- Karanja, A.M.** 2010. Youth and Sustainable development for a peaceful Kenya. Article presented on the 2nd Annual international conference 12-14 May 2010 at Moi University, Eldoret

WORKSHOPS/SEMINARS ATTENDED

- 18th – 19th November 2024. Ethical Issues arising in research into health and climate change. Global Forum On Bioethics in Research meeting held on 18th-19th November 2024 in Kuala Lumpur, Malaysia
12st November 2024,
- 19th October 2024. Facilitated a session on impacts of climate change and the role of young Adults in Enhancing a Healthy Environment at mind and Beyond Counselling Centre. Mount Kenya University,
- 23rd November 2023. Guest Speaker on Leveraging African cultural practices to enhance climate action During UNESCO World Philosophy Day 2023 Held on 23 November 2023 at Egerton University
- 10th June 2023. Facilitated a session on impacts of climate change and the role of young Adults in Enhancing a Healthy Environment at mind and Beyond Counselling Centre. Mount Kenya University,
- Oct 8th, 2021 CBC Needs Assessment and Stakeholder Engagement Workshop, Organized by Kabarak University in Collaboration with KICD, Kabarak University Education Auditorium, Kenya
- Sep 22nd, 2021 County Government of Nakuru Climate Change Adaptation Action Planning Workshop, Waterbuck Hotel, Nakuru
- Jun 15th, 2021: County Government of Nakuru Climate Change Adaptation Visioning and Target Setting Workshop, Waterbuck Hotel, Nakuru
- Aug 7th-10th, 2020: International Webinar Series on Climate Change and Rural Development in COVID-19, Punyashlok Ahilyadevi Holkar Solapur University, Solapur, India
- July 20– 24th, 2020: Virtual Training Workshop on Management of Internationalization for Young University Academic and Administrative Staff, Dedan Kimathi University of Technology (DEKUT)
- May 6th, 2019: Training Workshop on Systematic Literature Review, Meta-Analysis and Theory of Change, FEDCOS Boardroom, Egerton University
- March 11-12th, 2019: Attended Training workshop on using research findings to inform policy and practice in Kenya, ILRI Campus, AgriFoSe 2030
- November 27-28, 2018: Research to Inform Agricultural and Food Security Policy and Practices in Kenya, Emory Hotel, Nairobi, AgriFoSe 2030
- June 5th, 2017: Attended training in capacity Building and Consultancy services at CMRT seminar Room Egerton University
- Dec 2016: Attended a Capacity Building and Consultancy service Seminar at CMRT, Egerton University
- June 2016: Attended the Fourth Shenzhen International Low Carbon City Forum, Shenzhen, China
- June 9th -30th, 2016: Participate in the 1st Seminar on Climate change and low carbon development in Beijing China
- April 2nd- 3rd, 2015: Attended the Chuka University 4th Pedagogy Workshop held on at Science Complex, Chuka University
- March 27th, 2014: Attended and Participated in the DAAD PhD Proposal Writing Workshop at the Luke Hotel, Nairobi

EDITORIAL WORK

- 2018: International Scientific Committee, International conference on water ways, port, coastal and ocean engineering, <https://waset.org/conference/2018/11/kyoto/ICWPCOE/committees>

November 2014-2016: Associate Editor De Gruyter Open publishers, Warsaw, Poland

REVIEWER

1. Africa Academy of Science-Postdoctoral fellowship scheme, the Climate Research for Development (CR4D) Fellowship 2019
2. International Journal of Geography and Geology, Jan 2017- Present <http://www.conscientiabeam.com/journal/10/editorial-board.html>

RESEARCH GRANTS AND AWARDS

- 2023- Member of a joint consortium that submitted a proposal to EIT Collaborative Missions Programme
- 2023- Member of a joint consortium that submitted a proposal to USAID for funding
- 2019- Policy Writing Grant- International Livestock Research Institute- USD 1,000
- 2018- Awarded certificate of recognition for the Egerton University vice chancellors list of honors for Excellent academic performance in Doctor of philosophy studies presented during 38th graduation ceremony held on 15th June 2018
- 2016- Egerton University PhD scholarship
- 2016- CAS-TWAS President's PhD Fellowship Award

PROFESSIONAL AFFILIATIONS

1. Member of the Kenya Meteorological Society (062)
2. Member of Kenya Scholars and Studies Association (KESSA)
3. Member of the UNFCCC Roster of Experts

BOOKS PUBLISHED

1. Njue, P. and **Karanja, A.** (2025) Handbook of Applied Geography. Media Document Suppliers Publishers
2. Karanja, A and Njue P (2016) Geomoclimatology. Lap Lambert Academic Publishing.
3. Karanja, A and Njue, P (2016). Fieldwork and Research Methodology in Geography. Lap Lambert Academic Publishing

POLICY BRIEFS

1. Impact of Land Use Changes on Agricultural Production in Nakuru County (2024)
2. Drought risks livelihood in Laikipia County (2019)
3. Threats to potato production in Nyandarua County (2019)

REFEREES

1. SYLVESTER MAKHULO ONYANGO
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Mobile no. 0702595763
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