

**Dr. Amon Mwangi Karanja**

Egerton University

Faculty of Environment and Resources Development,

Department of Geography,

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Email: [amon.karanja@egerton.ac.ke](mailto:amon.karanja@egerton.ac.ke), [amonmwangi@yahoo.com](mailto:amonmwangi@yahoo.com)**EDUCATION**

Yea	EDUCATION	INSTITUTION
2018	PhD Geography	Egerton University, Kenya
2013	M.A Geography	Kenyatta University, Kenya
2006	B.Ed (ARTS)	University of Nairobi, Kenya

**FIELD OF SPECIALIZATION**

Climatology, Climate change and variability, Climate Data analysis, Environmental Hazards Preparedness, Response and Mitigations

**WORK EXPERIENCE**

2015-Date	Lecturer , Department of Geography, Egerton University, Kenya
2018- Date	Examination officer, Department of Geography, Egerton University, Kenya
2015-Aug 2015	Assistant Lecturer, Department of Humanities, Chuka University, Kenya
2012 - 2015	Associate Faculty Member, Department of Humanities, Mount Kenya University, Kenya

**PUBLICATIONS****Books Published**

**Karanja, A.M** and Njue P.M. (2016) Geomorclimatology. Lap Lambert Academic publishing. Saarbrucken, Deutschland/ Saarbrucken, Deutschland/ Germany. *ISBN: 978-3-659-94856-5.*

**Karanja, A.M** and Njue P.M. (2016) Field work and research methodology in Geography. Lap Lambert Academic publishing Saarbrucken, Deutschland/ Germany. *ISBN: 978-3-659-94008-8*

**Karanja, A.M.** (2014) Rainfall Characteristics and Variability. Lap Lambert Academic Publishing. Saarbrucken, Deutschland/ Germany. *ISBN: 978-3-659-16431-6*

**Journal Articles**

**Karanja, A. M. (2018)** Potentials of Agricultural Production in Light of Climate Variability in Oljoro-oro Division, Kenya. *Asian Journal of Agricultural Extension, Economics and Sociology*, 27(4): 1-9, 2018;

Ondiko, H., Ochieng', R., and **Karanja, A. (2018)**. Rainfall Variability Coping Strategies for Improved Food Security: A Case Study of Baringo South, Baringo County, Kenya. *International Journal of Humanities and Social Studies* ISSN 2321 – 9203

**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

**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** and Njue P.M. (2016) Geomorphology. Lap Lambert Academic publishing. Saarbrücken, Deutschland/ Saarbrücken, Deutschland/ Germany. ISBN: 978-3-659-94856-5.
- Karanja, A.M** and Njue P.M. (2016) Field work and research methodology in Geography. Lap Lambert Academic publishing Saarbrücken, Deutschland/ Germany. ISBN: 978-3-659-94008-8
- 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 No.10.<http://dx.doi.org/10.4236/as.2014>. (<http://www.scirp.org/journal/as>)
- 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.ajouronline.com/index.php/AJAS>)

#### **COURSES I AM CURRENTLY TEACHING**

GEOG 730: Climatology  
 GEOG 423: Environmental Hazard Studies  
 NARE 330: Climatology  
 GEOG 329: Research Methods in Geography  
 GEOG 322: Climate Change and Development  
 GEOG 314: Geography of Agriculture  
 GEOG 312: Advanced Climatology  
 GEOG 211: Introduction to Resource Management  
 MILS 327: Fundamentals of Physical and Human Geography  
 MILS 222: Population Geography  
 GEOG 124: Introduction to Climatology  
 GEOG 107: Introduction to Physical Geography

#### **EDITORIAL WORK**

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

2018: INTERNATIONAL SCIENTIFIC COMMITTEE, INTERNATIONAL CONFERENCE ON WATER WAYS, PORT, COASTAL AND OCEAN ENGINEERING,  
 2018 [HTTPS://WASET.ORG/CONFERENCE/2018/11/KYOTO/ICWPCOE/COMMITTEES](https://waset.org/conference/2018/11/kyoto/icwpcoe/committees)

Reviewer

➤ **INTERNATIONAL JOURNAL OF  
 GEOGRAPHY AND GEOLOGY, JAN 2017-  
 PRESENT [HTTP://WWW.CONSCIENTIABE](http://www.conscientiabe)**

## AM.COM/JOURNAL/10/EDITORIAL-BOARD.HTML

➤ Science domain International, June 2014- Present

### CONFERENCE PAPER PRESENTATIONS

**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 12<sup>th</sup> Egerton University International Conference from 27<sup>th</sup>-29<sup>th</sup> 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 1<sup>st</sup> 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 13<sup>th</sup> Kenya Meteorological Society (KMS) international Conference at Starback Hotel Eldoret on 20<sup>th</sup> -22<sup>nd</sup> 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 2<sup>nd</sup> international interdisciplinary conference at Kisii University 24<sup>th</sup> to 27<sup>th</sup> June, 2015.

August, 20-21<sup>st</sup>, 2013: Participant in the 1<sup>st</sup> African food security conference on **Harnessing Ecosystem based Approaches for Food Security and Adaptation to climate change in Africa in UNEP Nairobi on August.**

**Karanja, A. (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 17<sup>th</sup> -20<sup>th</sup> November 2010.

**Karanja, A. (2010).** The role of technology in Sustainable food production in Kenya. Article presented on the 6<sup>th</sup> Annual international conference **7th to 11th September, 2010** at Moi University, Eldoret.

**Karanja, A. (2010).** Mitigation of climate change for Sustainable development. Article presented and published on the 6<sup>th</sup> Annual international conference **7th to 11th September, 2010 at** Moi University, Eldoret.

**Karanja, A. (2010).** Youth and Sustainable development for a peaceful Kenya. Article presented on the 2<sup>nd</sup> Annual international conference 12-14 May 2010 at Moi University, Eldoret.

### WORKSHOPS/SEMINARS ATTENDED

November 27-28, 2019: Research to Inform Agricultural and Food Security Policy and Practices in Kenya, Emory Hotel, Nairobi, Kenya

June 5<sup>th</sup>, 2017: Attended training in capacity Building and Consultancy services at CMRT seminar Room Egerton University

June 9<sup>th</sup> -30<sup>th</sup>, 2016: Participate in the 1<sup>st</sup> Seminar on Climate change and low carbon development in Beijing China.

April 2<sup>nd</sup>- 3<sup>rd</sup>, 2015: Attended the Chuka University 4<sup>th</sup> Pedagogy Workshop held on at Science Complex, Chuka University.

March 27<sup>th</sup>, 2014: Attended and Participated in the DAAD PhD Proposal Writing Workshop at The Luke Hotel, Nairobi on.

## REFEREES

DR. CHARLES W. RECHA

Chairman Department of Geography

Egerton University.

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