

CURRICULUM VITAE

PERSONAL INFORMATION

Name: WYCLIFE AGUMBA OLUOCH
Date of Birth: 24th August, 1986
Place of Birth: Kisumu, Kenya
Gender: Male
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Languages Proficiency: English, Kiswahili

VALUES

- High level of honesty, integrity and respect for the people and nature

CAREER OBJECTIVES

I aim at becoming a competent researcher with a view to sustainable development amidst changing climate, through persistent accumulation of skills, knowledge and hands-on experience.

EDUCATION BACKGROUND

2013-2018: Master Degree in Geography, Maseno University, Kenya
2008-2012: Bachelor Degree in Geography (Hons), Moi University, Kenya.
2003-2006: Kenya Certificate of Secondary Education (KCSE) A-(Minus)
Nyabondo Secondary School, Kenya.
1995-2002: Kenya Certificate of Primary Education (KCPE) 411/500 Marks
Yogo Primary School, Kenya.

LIST OF RECENT PUBLICATIONS

1. Muoki, C. R., Maritim, T. K., **Oluoch, W. A.**, Kamunya, S. M., & Bore, J. K. (2020). Combating Climate Change in the Kenyan Tea Industry. *Frontiers in Plant Science*, 11, 339.
2. **Oluoch, W. A.**, Bore, J. K., Chelangat, S., Rono, P. & Boiwa, M. C. (2018). Impact of Temperature and Rainfall Variability on Tea Productivity. In Proceedings of 2nd Africa Tea Science Symposium held on 22nd - 23rd November, 2018 at Nyeri, Kenya.
3. Bore, J. K. & **Oluoch, W. A.** (2018). Tea response to annual drought under varying NPK rates and plucking frequencies. (*Under review, Tea Journal*).
4. **Oluoch, W. A.**, Nyabundi, K. W. & Boiwa C. M. (2017). Evaluation of trends in temperature and rainfall indices using RCLimDex for tea growing regions, East and West Rift Valley of Kenya. *Tea*: **38**(1): 31-41.
5. **Oluoch W. A.**, Oindo, B. O. and Abuom, P. O. (2017). Modeling vegetation lifeforms abundance based on epigeal termitaria physiography and altitude in tropical savannah of Katolo Sub-Location, Kisumu

County. *Journal of Geoscience and Environment Protection* 5: 22-31.
<https://doi.org/10.4236/gep.2017.510003>

6. **Oluoch, W. A.**, Nyabundi K. W. and Boiwa C. M. (2017) MAKESENS trend analysis of Agro-meteorological data from Kericho, Kenya. *Tea*: 38(1): 9-14.
7. **Oluoch W. A.**, Oindo, B. O. and Abuom, P. O. (2017). Effects of Locations On- and Off- Epigeal Termitaria on Vegetation Lifeforms in Katolo Sub-Location of Kisumu County, Kenya. *Scientific Research Journal*, vol. V issue (XII) Page: 74-83, <http://www.scirj.org/dec-2017-paper.php?rp=P1217477>
8. Bore, J. K., Kibet, S. and **Oluoch, W. A.** (2016). Effect of Climate Variability on Tea Yields in Kenya. *Tea* 38 (1&2) 105-110

WORK EXPERIENCE AND PERSONAL ACHIEVEMENTS

May, 2015 to September, 2019: Intern at Kenya Agricultural and Livestock Research Organization (KALRO) - Tea Research Institute, Kericho (Sustainable Ecosystem Management and Conservation Programme)

DUTIES AND RESPONSIBILITIES

- Conducting tea plant soil-water-atmosphere investigations.
- Conducting Climate Adaptation assessment within tea growing regions of Kenya
- Preparation of reports and technical/scientific publications
- Investigating potentials of using remote sensing technologies in tea plant monitoring.
- Mentoring students attached to the section and preparing weather data for use in various other programme projects

2013-2015: Part-time Teacher, Kisumu South Adventist Secondary School,

DUTIES AND RESPONSIBILITIES

- Taught at the department of Mathematics and Geography from form one to form four.
- Instructed students on volleyball and athletics.
- Prepared school timetable and calendar of events.

June to August, 2012: Project Assistant at Tea Research Foundation of Kenya, Kericho

SKILLS GAINED

- Hail stones data collection and analysis to enhance mapping of hail paths within the tea growing regions to the West of Rift Valley in Kenya.
- Weather data analysis using a range of models in various statistical software platforms.

May-July, 2011: Attachment at Kenya Meteorological Department, Nairobi

SKILLS GAINED

- Daily weather data collection, entry and analysis to inform agronomic activities.
- Satellite images analysis and interpretation for weather forecasting services.

CURRENT RESEARCH INTERESTS AND MOTIVATION

- Ecology of Wild Edible Plants in Arid and Semi-Arid Africa
- Data mining techniques of gaining deeper insight into multivariate data types.
- Use of Open Source Statistical environments for data analysis and presentation

OTHER CERTIFICATES AND AWARDS

2020: Certificate of Participation in Sampling Design and Sampling Size Determination from 25th to 27th April, 2020.

2018: Certificate of Participation on 2nd Africa Tea Science Symposium & Exhibition. Theme: harnessing innovation and technology to spur growth in the tea industry. Held on 22nd - 23rd Nov, 2018 at Green Hills Hotel, Nyeri, Kenya

2018: Certificate of Participation on Training Needs Analysis, Training Programme Development, Presentation Skills and Training Evaluation skills organized by Professional Trainers Association of Kenya.

2018: Certificate of Appreciation for dedicated role in judging of the Best Practices on Climate Change Adaptation and Mitigation Competition conducted in 2017 by AFA Tea Directorate in collaboration with Ethical Tea Partnership and Solidaridad Eastern and Central Africa Expertise Centre.

2018: Certificate of Appreciation for facilitating training of Rwebitaba Zonal Agricultural Research and Development Institute Staff, KTDA Management Trainees, EATTA Managers and KTDA Field Service Coordinators on Climate Change, adaptation and mitigation: Use of GAP in combating climate change in tea growing areas and Effects of Climate Change on tea quality.

2016: Certificate of training in introduction to GIS and Remote Sensing using ERDAS IMAGINE 2015 and ArcGIS 10.4 organized by Southern University and A&M College, Saton Rouge, Los Angeles USA and University of Kabianga, Kenya.

TECHNICAL SKILLS

R	Programming language
RClimdex	Extreme climate determinant
QGIS 3.10	Spatial data analysis programme
GPS	Hand held mapping tool
MS-Office	Word, Excel, Access, PowerPoint
Slack and Zoom	Collaboration platform
Internet and networking	

HOBBIES

- Adventure, environmental debating and reading

REFEREES

Dr. Samson M. Kamunya (PhD),
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 Institute Director,
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 Dean, School of Environment and Earth
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