

CURRICULUM VITAE

ALFRED OCHIENG OLUOCH

School of Biological, Physical, Mathematics and Actuarial Sciences,

Jaramogi Oginga Odinga University of Science and Technology

P.O. Box 210, 40601 Nairobi, Kenya., Cell: (254) 714 172 292, Email: aochieng@jooust.ac.ke

Executive Summary: I am an entomologist with 12 years of experience in research and teaching at the university, 6 of which have been on climate change and vector-borne diseases. I specialize in modelling the effect of climate change on the abundance and distribution of disease vectors using ecological niche modelling algorithms. My main disease focus has been Rift Valley Fever and Malaria. I'm currently involved in One Health operationalization research in Kenya, focusing on the synthesis of data and information on VBD risks, surveillance, prevention and control in the context of the One Health Approach. I've worked with the stakeholders at the sub-national level conducting stakeholder surveys and One Health Capacity building. I also teach at the Jaramogi Oginga Odinga University of Science and Technology where I have recently participated in the development of new MSc and PhD programmes in Applied Insect Science.

ACADEMIC BACKGROUND

2013 – 2019: Jaramogi Oginga Odinga University of Science and Technology

PhD. Entomology

Thesis title: Modelling The Effect of Climatic Variables on the Distribution of Rift Valley Fever Vectors and Outbreaks in Baringo County, Kenya

1997 – 2001: University of Nairobi

Master of Science

Thesis title: The complementary role of wild habitats in crop pollination. A case study on the eggplant (*Solanum melongena* L. Solanaceae)

1992 – 1996: University of Nairobi

Bachelor of Science (Botany & Zoology) Second class Honours (Upper division)

RECENT RESEARCH PROJECT:

2021-2022: Operationalizing the One Health Approach: Building on the TDR-IDRC Africa Initiative Project on Malaria and Rift Valley Fever in Kenya

2013-2017: Early Warning Systems for Improved Human Health and Resilience to Climate-Sensitive Vector-Borne Diseases in Kenya. Funded by the World Health Organization (Project ID No. B20278, Co-PI).

SELECTED PUBLICATIONS (last 5 years):

Ochieng, A. O., Amimo, F. A., Oludhe, C., Nyamongo, I.K and Estambale, B. B. A. 2002. Spatiotemporal distribution of rift valley fever and malaria vectors in Baringo County, Kenya: Implications on vector control. *International Journal of Mosquito Research* 9(1): 38-46

Ochieng, A. O., Nanyingi, M., Kipruto, E., Ondiba, I. M., Amimo, F. A., Oludhe, C., Olago, D. O., Yyamongo, I. K. & Estambale, B. B. 2016. Ecological Niche Modelling of Rift Valley Fever Virus Vectors in Baringo, Kenya. *Infect Ecol Epidemiol*, 6, 32322.

Kipruto, E. K., **Ochieng, A. O.**, Anyona, D. N., Mbalanya, M., Mutua, E. N., Onguru, D., Nyamongo, I. K. & Estambale, B. B. A. 2017. Effect of Climatic Variability on Malaria Trends in Baringo County, Kenya. *Malar J*, 16, 220.

Ondiba, I. M., Oyieke, F. A., **Ochieng, A. O.**, Anyona, D. N., Nyamongo, I. K. & Estambale, B. B. 2017. Malaria Vector Species Distribution and Seasonal Population Dynamics Across Varied Ecological Zones in Baringo County, Kenya.