

Dr. Portas Odula Olwande (PhD)

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Profile Photo



Summary: Dr. Portas Olwande holds a PhD degree in Epidemiology and Economics from University of Nairobi. He works as a lecturer of Veterinary Sciences in the Department of Animal Science, Maseno University where he teaches the Epidemiology, Biostatistics, Research methods and other animal health and production courses to both undergraduate and postgraduate students. He has previously worked as a lecturer at Kisii University and the State Department of Department of Veterinary Services, Ministry of Agriculture of Government of the Republic of Kenya where he rose to the position of Assistant Director of Veterinary Services. His previous research endeavours included Assessment of constraints and appropriate interventions in the indigenous chicken production under extensive management systems. Currently, Dr. Olwande's research interest is the application of participatory epidemiological methods in the assessment of livestock productivity, constraints and appropriate intervention under extensive management systems. He is also a Participatory Epidemiology (PE)/ Participatory Disease Surveillance (PDS) Trainer and Consultant for both Government and private animal health service providers and has been conducting PDS trainings for FAO within and outside Kenya. He has authored/ co-authored several publications in scientific peer reviewed journals and proceedings

EDUCATION BACKGROUND

- 2010 to 2014** *PhD Degree in Veterinary Epidemiology and Economics*. Thesis entitled "Epidemiological Assessment of Productivity Constraints and Appropriate Measures on Indigenous Chicken Production in southern Nyanza, Kenya". University of Nairobi, Kenya, 2014.
- 2006 - 2009** *MSc Degree in Veterinary Epidemiology and Economics*. Thesis entitled "Assessing the productivity of indigenous chicken in southern Nyanza, Kenya". University of Nairobi, Kenya, 2009.
- 1987 - 1991** *Bachelor of Veterinary Medicine (BVM)*. University of Nairobi, Kenya, 1992.

SHORT COURSES, PROFESSIONAL DEVELOPMENT

- 23rd to 27th
June 2014** Training Workshop on Tsetse and Animal Trypanosomiasis Data Management and Geospatial Analysis at the Multi-Media University, Nairobi, Kenya. Sponsored by the Food for Agriculture of the United Nations, the Italian Development Cooperation, Ministry of Foreign Affairs and the Kenya TseTse and Trypanosomiasis Eradication Council (KenTTEC)
- March to
May 2013** Professional Research Exchange training on Detection and Surveillance of Brucellosis at the Universities of Wyoming and Texas A and M in USA. *Sponsored by USDA*
- 12th to 16th
Dec 2011** Quality Management Systems; Five days training sponsored by Government of Kenya at the Tom Mboya Labour College Kisumu.
- June 2011** Civil Servants Performance Appraisal Training; five days training sponsored by the Government of Kenya at the Kisumu Hotel.
- 9th to 13th
Nov 2009** Participatory Epidemiology Refresher Training Course on Participatory Disease Search (PDS) using Participatory Epidemiological (PE) tools. Sponsored by ILRI and Director of Veterinary Services (GOK). At Kunste Hotel, Nakuru.
- 29th Sept to
1st Oct 2009** Simulation Workshop for Highly Pathogenic Avian Influenza (HPAI), sponsored by USAID, FAO and DVS (GOK). At Sunshine Hotel, Kericho.
- 6th to 17th
July 2009** Introductory Participatory Epidemiology Training Course on Early Detection, Reporting and Surveillance for Avian Influenza in Africa (EDRSAIA), sponsored by ILRI and DVS (GOK) at Kunste Hotel, Nakuru.
- 1st to 6th
March 1998** Induction course for civil servants organized by Ministry of Agriculture at Busia Farmers' Training Centre.

TRAINING FACILITATIONS

- 30th July to
10th Aug
2018** Lead trainer during a 10 day FAO sponsored Participatory Disease Search (PDS)/ Participatory Epidemiology (PE) training for thirty (30) Eritrean Government Veterinary Officers and Animal Health technicians drawn from all over the country at the Ministry of Agriculture headquarters in Asmara, Eritrea.
- 8th May to
25th June
2018** Mentor/ supervisor during the implementation of follow-on FAO sponsored epidemiology case studies following applied field epidemiology and participatory disease search trainings for 10 GOK veterinarians randomly selected from different parts of the country. The case studies assessed Anthrax, PPR and mastitis diseases in Bomet, Kajiado and Nyeri counties, respectively. A combination of both qualitative and quantitative study approaches were employed during the case studies.
- 25th to 29th
April 2016** Facilitator/ trainer during a five day FAO sponsored Participatory Disease Search (PDS)/ Participatory Epidemiology (PE) training for twenty (20) Kenya Government Veterinary Officers drawn from all over the country in Nakuru (Bontana B Hotel), Kenya.

WORKSHOPS & SCIENTIFIC CONFERENCES ATTENDED

- 18th May 2018** Conference Presentation: “Integrated Poultry Farming Systems” at the Kenya Veterinary Poultry Association Trust (KVPAT) Continuous Professional Development (CPD) Scientific Conference at Jacaranda Hotel Nairobi.
- 9th – 10th Nov. 2017** Conference Presentations: 1) “Epidemiological Study Approaches” and 2) “Avian Influenza” at the Kenya Veterinary Association (Nyanza Branch) Continuous Professional Development Scientific Conference at Kisii ATC, Kisii, Kenya.
- 4th – 5th October 2017** Attended workshop on expert estimation of impact of livestock systems on public health, sponsored by FAO at Gelian Hotel, Machakos, Kenya.
- 4th – 8th Sept 2017** Attended the XXth World Veterinary Poultry Association Congress, organized by the World Veterinary Poultry Association (WVPA), at EICC, Edinburgh, UK.
- 21st – 22nd July 2016** Conference Presentations: “Use of Participatory Epidemiological (PE) Tools in Livestock Productivity Improvement Studies” at the Kenya Veterinary Association (Nyanza Branch) Continuous Professional Development Scientific Conference at Mwalimu International Hotel, Kisii, Kenya.
- 19th Sept 2014** Conference Presentations: “Poultry Hatchery Management and Bio-security Measures” at the Kenya Veterinary Association (Nyanza Branch) Continuous Professional Development Scientific Conference at Dudi View Hotel, Oyugis.
- 11th July 2014** Conference Presentations: “Indigenous Chicken Diseases and Management with Emphasis on Newcastle and Gumboro diseases” at the Kenya Veterinary Association (Nyanza Branch) Continuous Professional Development Scientific Conference at Maseno ATC, Maseno.
- 14th-15th Feb 2014** Conference Presentations: “Quantification of the Indigenous Chicken Constraints in Homa Bay County” and “Sharing of an Experience on Brucellosis Eradication and Prevention in Texas USA”, at the Kenya Veterinary Association (Nyanza Branch) Continuous Professional Development Scientific Conference at Homa Bay AFT, Homa Bay.
- 5th to 6th Dec 2013** Conference Presentation: “Quantification of the Indigenous Chicken Constraints in Homa Bay County” at the Kenya Veterinary Association (Nairobi Branch) Continuous Professional Development Scientific Conference at the Ufungamano House, Nairobi.
- February 2013** Conference Presentation: “Comparison of economic impacts of alternative constraint control measures in indigenous chicken production in Nyanza Province, Kenya” at the Kenya Veterinary Association (Nyanza Branch) Continuous Professional Development Scientific Conference at the Lake View Hotel, Kisumu.

EMPLOYMENT HISTORY AND EXPERIENCE

June 2017 to date	Lecturer Grade 12 in the School of Agriculture and Food Security, Maseno University
May 2015 to June 2017	Coordinator for both Diploma and Certificate training programmes in Animal Health and Production and Animal Sciences in the Department of Agricultural Sciences, Kisii University
Jan 2015 to June 2017	Lecturer Grade XII in the Faculty of Agriculture and Natural Resources Management, Kisii University
1994 to Jan 2015	Worked in the Department of Veterinary Services, Ministry of Agriculture, Livestock and Fisheries. Worked in various regions in Kenya as Divisional and District Veterinary Officer in charge Veterinary activities.
July 2009 to Jan 2015	Veterinary Officer in-charge of the Sub-County Veterinary Offices of Rachuonyo North, Rachuonyo South and Kabondo Kasipul Sub-Counties of Homa Bay County.
October 2012	Promoted to Assistant Director of Veterinary Services, Job group P
April 2009	Promoted to Chief Veterinary Officer, Job group N
July 2007	Promoted to Senior Veterinary Officer, Job group M
December 1997	Promoted to Veterinary Officer One, Job group L

TEACHING EXPERINCE

June 2017 to date	Lecturer in the School of Agriculture and Food Security, Maseno University Courses: <ol style="list-style-type: none"> 1. Quantitative methods (Post graduate classes) 2. Organic livestock farming (Post graduate classes) 3. Animal climatology and Behavioral Ecology (Post graduate classes) 4. Animal Environmental Physiology (Undergraduate classes) 5. Animal products/ by-products processing and by-products disposal (Undergraduate classes) 6. Immunology (Undergraduate classes) 7. Poultry and pig production (Undergraduate classes) 8. All Veterinary and Animal Sciences (Undergraduate classes)
Jan 2015 to June 2017	Lecturer in the Faculty of Agriculture and Natural Resources Management, Kisii University Courses: <ol style="list-style-type: none"> 9. Epidemiology (Undergraduate & Post graduate classes)

10. Biostatistics (Undergraduate & Post graduate classes)
11. Herd Health Planning and Management (Undergraduate & Post graduate classes)
12. Immunology (Undergraduate classes)
13. Ruminant Nutrition (MSc classes)
14. Non-ruminant Nutrition (MSc classes)
15. Ruminant Production (BSc classes)
16. All Veterinary and Animal Sciences (Undergraduate classes)

September

2013 to

January 2015

Part time Lecturer at Jaramogi Oginga Odinga University of Science & Technology, Department of Public Health.

Courses:

17. Animal Pathology & Meat Inspection (BSc. Public Health)
18. Principles of Epidemiology (BSc & MSc Public Health)
19. Biostatistics I & II (BSc. Public Health)
20. Medical & Veterinary Parasitology (BSc. Public Health)

January to

February 2014

Part time Lecturer at Maseno University, Department of Public Health, Homa-Bay Campus.

Course:

1. Animal anatomy and physiology

MSC STUDENTS' SUPERVISION

November

2015 to date

Name: Wilter Kemunto Ogongo Reg. No. MPS22/70001/14

Research proposal title: "Morphological Effects of Tattoos and Tattoo Inks on Male Naked Mole Rat Skin (*Heterocephalus glaber*)".

Name: Amos Onyansi Makori Reg. No. MPS22/70002/14

Research proposal title: "Effect of Isolation of Female Subordinate Naked Mole Rats on their Reproductive Fitness"

Name: Dr. Allan Muruli Reg. No. MAN16/50002/13

Research proposal title: "Determination of the Breeding Strategies to Improve Goat Production In Extensive Goat Production In Response To Climate Change And Survival In Lolgorien"

Name: Dr. Joseph Ogega Oyaro Reg. No. MAN16/50003/13

Research proposal title: “Characterization of Slaughter Waste Products and Disposal Management in Kisii County”

Name: Kennedy K. Chesang Reg. No. EL/SPM/00270/2012

Research proposal title: “An Evaluation of the Challenges Facing the Uptake of Privatized Artificial Insemination Service Among Dairy Farmers in Koibatek Sub-County .Kenya”

Name: Hussein Adan Ibrahim Reg. No. EL/SPM/00702/2014

Research proposal title: “Evaluation of the effectiveness of coping strategies and capacities of pastoralists in response to climate variability and other common hazards in Wajir County, Kenya”

Name: Rukunga Christine Kathure Reg. No. EL/SPM/00327/2013

Research proposal title: “Assessment of the Deterrents of Cervical Cancer Screening Among Hiv Positive Women in Meru County, Kenya”

TECHNICAL COMPETENCES

1. Epidemiology
2. Biostatistics
3. Principle of Livestock Economics
4. Herd Health Planning and Management
5. Planning, Monitoring and Evaluation of Animal Projects
6. Applied immunology
7. Veterinary and Animal Health Sciences
8. Animal Nutrition and Production

RESEARCH ACTIVITIES

2010-2011

PhD research

Epidemiological Assessment of Productivity Constraints and Appropriate Measures on Indigenous Chicken Production in southern Nyanza, Kenya. Sponsored by Pan-African Tsetse and Trypanosomiasis Eradication Campaign (PATTEC) Kenya. Applied participatory epidemiological (PE) tools.

March 2010

Assessed the prevalence of Newcastle, Gumboro and Avian influenza using participatory disease search (PDS)/ participatory epidemiological (PE) tools in Rachuonyo district, Nyanza province. The project was sponsored by ILRI and Director of Veterinary Services (DVS).

**12th August to
11th Sept 2009**

Carried out targeted surveillance of notifiable Avian Influenza using participatory disease search (PDS)/ participatory epidemiological (PE) tools in Kisumu East, Rachuonyo and Kuria East districts in, Nyanza province. The project was sponsored by ILRI and DVS (GOK).

**October 2007
to February
2008**

MSc Research

Assessing the productivity of Indigenous Chicken in Rongo and Rachuonyo districts in Southern Nyanza, Kenya. Applied participatory epidemiological (PE) tools.

PUBLICATIONS

Authors: **P.O. Olwande**, W.O. Ogara, S.O. Okuthe, G. Muchemi, E. Okoth, M.O. Odindo and R.F. Adhiambo.

Title: - Assessing the productivity of indigenous chicken in an extensive management system in southern Nyanza, Kenya.

Journal: Tropical Animal Health and Production (2010), 42:283-388. DOI 10.007/s11250-0009-9418-4: Published by Springer.

Authors: William Ogara, **Portas Olwande**, Samwel Okuthe, Maurice Odindo and Rubin Ogara.

Title: - Survey of bacterial and parasitic organisms causing disease and lowered production in indigenous chickens in Southern Nyanza, Kenya.

Journal: Bulletin of Animal Health and Production in Africa (2012) Volume 60 No. 3. ISSN 0378 – 9721. AU IBAR, pp. 251 – 256

Authors: **P.O. Olwande**, W.O. Ogara, S.O. Okuthe and L.C. Bebora

Title: - Comparison of economic impact of alternative constraint control measures in indigenous chicken production in Nyanza Province, Kenya.

Journal: Livestock Research for Rural Development (2013) Volume 25, Article # 38. Retrieved from <http://www.lrrd.org/lrrd25/2/olwa25038.htm>

Authors: **Olwande P O**, Okuthe S O, Ogara W O and Bebora L C

Title: Participatory epidemiological assessment of factors that limit indigenous chicken productivity under free-range system in south western Kenya.

Journal: *Livestock Research for Rural Development. Volume 28, Article #183.* Retrieved October 2, 2016, from <http://www.lrrd.org/lrrd28/10/olwa28183.html>

Authors: **P.O. Olwande**, W.O. Ogara, S.O. Okuthe and L.C. Bebora

Title: Quantifying the Productivity Constraints of the Indigenous Chickens in Free-Range Management System in Homa Bay County, Kenya (sent for publication)

Authors: **P.O. Olwande** and S.O. Okuthe

Title: Characterization of Indigenous Chicken Production in south western Kenya (sent for publication)

PhD Thesis:

Author:- P.O. Olwande

Year:- 2014

Title: Epidemiological Assessment of Productivity Constraints and Appropriate Intervention Measures on Indigenous Chicken Production in Southern Nyanza, Kenya.

Msc.Thesis:

Author:- P.O. Olwande

Year:- 2008

Title: - Assessing the Productivity of Indigenous Chicken in southern Nyanza, Kenya.

RESEARCH GRANTS, RESEARCH PROJECTS AND RESEARCH COLLABORATIONS

1. GRANT: Dec 2016; won Award of Kisii University Based Research Grant 2016/2017 worth Ksh. 500,000.00; Research title “Integrated Agricultural Practices for Improved Livelihoods in south western Kenya”

2.COLLABORATION: January 2017 to date; offering consulting services (lead consultant) in the collaboration between Kisii University and Powerhive East Africa Ltd: In the Development and Implementation of Poultry (indigenous chicken) Microenterprise Programme using electricity powered incubation and brooding systems in Kisii and Nyamira Counties
