

CURRICULUM VITAE

PERSONAL INFORMATION

First name(s) / Surname(s) **DR. ONYANGO PAUL OKUMU**
Address(es) The Department of Veterinary Pathology, Microbiology & Parasitology, College of Agriculture and Veterinary Sciences (Upper Kabete Campus), on Kapenguria Road off Waiyaki Way, P. O. BOX 29053 - 00625 ,NAIROBI, KENYA
E- mail address paulokumu@uonbi.ac.ke
Nationality Kenyan
Date of birth 22nd May 1986
Gender Male
Desired employment / Occupational field Researcher, Lecturer

WORK EXPERIENCE

Dates 3RD MAY 2012- Currently
Occupation or position held Tutorial Fellow, Veterinary Pathology
Main activities and responsibilities Teaching graduate and undergraduate veterinary students, carry out basic and applied research and offering consultancy and diagnostic services in animal diseases
Name and address of employer University of Nairobi, BOX 29053 - 00625 ,NAIROBI, KENYA
Type of business or sector Public university and institution of higher learning

EDUCATION AND TRAINING

Dates August 2016-December 2016
Title of qualification awarded United States Department of Agriculture, Faculty Exchange Program USDA-FEP 2016
Principal subjects/occupational skills covered Electron microscopy for virus research, Conventional and real-time quantitative PCR for pathogen detection and quantification (antibiotic resistance), Western blotting for protein expression analysis, Immunohistopathology for cancer and immunity research, Image analysis (Image J, Use of Pro plus® image) software for histopathology analysis, and SAS software for data processing and analysis, Grant writing, Grant proposal review, critique and evaluation procedures
Name and type of organisation providing education and training Michigan State University (College of Veterinary Medicine, Diagnostics Centre for Population and Animal Health (DCPAH))
Dates October 2011 – 2013
Title of qualification awarded Masters of Science in Clinical Pathology and Laboratory Diagnosis
Principal subjects/occupational skills covered GENERAL Principles of Scientific communication and Applied Biostatistics
OCCUPATIONAL Advanced haematology, Haematological techniques, Advanced clinical chemistry, Advanced cytology and applied clinical Chemistry, Diagnostic (pathology) necropsy, Fundamentals of molecular biology, Clinical immunology, Clinical Parasitology,

Name and type of organisation providing education and training University of Nairobi (Faculty of Veterinary medicine)

Dates October 2006 – September 2011

Title of qualification awarded Bachelor of Veterinary Medicine

Name and type of organisation providing education and training University of Nairobi (Faculty of Veterinary medicine)

Dates February 2000 – 2003

PROJECTS

1. *Assessment of efficacy of commonly used drugs in the control of coccidiosis and ectoparasitism of domestic rabbits in smallholder production systems in Kenya-Ruforum 2015*
2. *Application of Enzyme-linked immunosorbent assay (ELISA) to survey aflatoxin content in commercial rabbit pellets from selected areas in Kenya*
3. *Clinicopathologic survey and predisposing factors of diseases of domestic Rabbits in selected areas in Kenya 2012- 2013*

AWARDS

AWARDS

1. United States Department of Agriculture Faculty Exchange Program USDA-FEP 2016
 2. The Donkey Sanctuary Welfare Award for being the best student in Equine welfare for 2010/2011 academic year
 3. University of Nairobi Scholarship for post graduate studies 2011 – 2013.
- Kenya Veterinary Association (KVA)-0765, Kenya Veterinary Board (KVB)- 02519

PROFESSIONAL ORGANIZATION

CONFERENCES AND WORKSHOPS

Workshops:

1. Training on pedagogy, Andragogy and mentorship 19th - 21st June 2019, at central casting Unit, University of Nairobi, Main Campus
2. Training on research and project grant proposal writing, University of Nairobi CCU, 17th to 19th January 2018
3. 120th Annual meeting of *United States Animal Health Association (USAHA)* & the 59th conference of *American Association of Veterinary Laboratory Diagnostician (AAVLD)* at Sheraton Greensboro Hotel, Greensboro, North Carolina, 13th - 19th October, 2016
4. *CL Davis Dermatopathology* symposium at Sheraton Greensboro Hotel, Greensboro, North Carolina, USA, 14th October 2016.
5. *MSU Small Ruminant Health Symposium, 1st, October, 2016*
6. 9th Biennial Faculty of Veterinary Medicine scientific conference held on 3rd - 5th september 2014, at the University of Nairobi, Department of Veterinary Pathology, Microbiology and Parasitology
7. Practical approaches for diagnosis and treatment of poultry diseases (CPD training) held on 6th August 2014 at the University of Nairobi, Department of Veterinary Pathology, Microbiology and Parasitology
8. Training on research and project grant proposal writing, University of Nairobi CCU, 13th to 17th May 2013.

9. Training on GIS and spatial analysis with a focus on raster analysis at the University of Nairobi, center for Sustainable Dryland Ecosystem and societies, 18th to 22nd March, 2013
10. Training on scientific communication and publishing 18 – 22 February 2013
11. Training on working with animals under bio-safety containment at ILRI 1st to 5th October 2012
12. Role of pathology in Non human primates 9th November 2011, IPR Kenya.

Conference Presentations:

1. Seminar on rabbit Health to rabbit farmers and stakeholders in RUFORUM project (RU2015-GRG-132), University of Nairobi, Kenya, 9th November 2017
2. “Survey of diseases of domestic rabbits and their management in selected areas in Kenya”. In 9th Biennial Faculty of Veterinary Medicine scientific conference held on 3rd - 5th September 2014, at the University of Nairobi, Department of Veterinary Pathology, Microbiology and Parasitology
3. “Common Diseases of Domestic Rabbit in Kenya”. [Agricultural Society of Kenya \(ASK\) Nairobi International Trade Fair \(NITF\)](#), [Jamhuri Park Show Grounds](#), Nairobi, 30th September - 6th October 2013.
4. “Rabbit Diseases & their Management”. *Kenya Veterinary Association Central Branch, Continuous Professional Development (CPD) training program*, Wambugu Hotel, Naivasha, 30th – 1st October 2013.

PUBLICATIONS

Journals

1. Kenana J.K., Mbaria J.M., Kaingu C.K., **Okumu P.O.**, 2019. Toxicological and Phytochemical Evaluation of *Uvariadendron kirkii*. *The Journal of Ethnobiology and Traditional Medicine*. Photon 130, 1487-1504
2. Kennedy O Ogolla, **Paul O Okumu**, Peter K Gathumbi, Robert M Waruiru. (2018). Effects of Anticoccidial Drugs on Gross and Histopathological Lesions Caused by Experimental Rabbit Coccidiosis. *SOJ Vet Sci* 4(3): 1-10.
www.symbiosisonlinepublishing.com
3. Chebet J, Waruiru R M, Ogola K O, Gathumbi P K, **Okumu P O**, Wanyoike M and Aboge G O (2018): Prevalence, control and risk factors associated with rabbit mange in Kiambu and Nyeri counties, Kenya. *Livestock Research for Rural Development*. Volume 30, Article #108. Retrieved August 22, 2018, from <http://www.lrrd.org/lrrd30/6/rmwa30108.ht>
4. Ogolla, K. O., Gathumbi, P. K., Waruiru, R. M., **Okumu, P. O.**, Chebet, J., & Kitale, P. M. (2018). Efficacy of Sulphachloropyrazine, Amprolium Hydrochloride, Trimethoprim-Sulphamethoxazole, and Diclazuril against Experimental and Natural Rabbit Coccidiosis. *Journal of veterinary medicine*, 2018.
5. **P.O. Okumu**, D.N. Karanja, P.K. Gathumbi (2017). Diseases of domestic rabbits and associated risk factors in Kenya. LAP LAMBERT Academic Publishing Germany ISBN 978-3-330-03267-5
6. Okumu, M.O., Ochola, F.O., Mbaria, J.M., Kanja, L.W., Gakuya, D.W., Kinyua, A.W., **Okumu, P.O.** and Kiama, S.G., (2017). Mitigative effects of Moringa oleifera against liver injury induced by artesunate-amodiaquine antimalarial combination in wistar rats. *Clinical Phytoscience*, 3(1), p.18.

7. Ogolla, K. O., Chebet, J., Gathumbi, P. K., Waruiru, R. M., **Okumu, P. O.**, Munyua, W. K., ... & Kibebe, H. W. (2017). Farmer practices that influence risk factors, prevalence and control strategies of rabbit coccidiosis in Central Kenya. *Livestock Research for Rural Development*, 29, 7
8. Okumu, M. O., Mbaria, J. M., Kanja, L. W., Gakuya, D. W., Kiama, S. G., Ochola, F. O., & **Okumu, P. O.** (2017). Acute toxicity of the aqueous-methanolic Moringa oleifera (Lam) leaf extract on female Wistar albino rats. *International Journal of Basic & Clinical Pharmacology*, 5(5), 1856-1861.
9. **PO Okumu**, PK Gathumbi, DN Karanja, LC Bebora, JD Mande, JK Serem, MM Wanyoike, C Gachui, RN Mwanza and SK Mailu, (2015). Survey of health status of domestic rabbits in selected organized farms in Kenya. *Inter J Vet Sci*, 4(1): 15-21. www.ijvets.com
10. **P.O. Okumu**, P.K. Gathumbi, D.N. Karanja, J.D. Mande, M.M. Wanyoike, C.K. Gachui, N. Kiarie, R.N. Mwanza & D.K. Borter (2014): Prevalence, pathology and risk factors for coccidiosis in domestic rabbits (*Oryctolagus cuniculus*) in selected regions in Kenya, *Veterinary Quarterly*, 34(4): 205-210.
11. **Okumu, P. O. (2014)**. *Clinicopathologic survey and predisposing factors of diseases of domestic Rabbits in selected areas in Kenya* (Master's thesis university of Nairobi).

APPOINTEMENTS

1. Course Coordinator JPM 451: PM demonstration and Lab Diagnosis January 2018.
2. Chairman of Departmental Welfare Association 2014 to present
3. Faculty exhibition and show committee member from 21st march 2013 to present.
4. Coordinator of Departmental Post mortem and museum December 2013 to present

Supervision

1. Supervised 6 undergraduate students project
2. Co-supervised 2 postgraduate (MSc.) students projects

REFEREES:

1. Prof. Peter Karuri Gathumbi (PhD, MSc, BVM, Dip Vet Path (FRCVS, University of Nairobi)
Email: gathumbi@uonbi.ac.ke, pgathumbi@gmail.com
P. o Box 29053 – 00625 Kangemi
Cell Phone: +254 722 641 048
2. Dr. Lucy Wanjiru Njagi (PhD, MSc, BVM)
Lecturer, department of Veterinary Pathology, Microbiology and Parasitology
University of Nairobi
P. o Box 29053 – 00625 Kangemi EMAIL: njagiluc@uonbi.ac.ke
Cell: 0721552084.
3. Dr. Davis Njuguna Karanja (PhD, MSc, BVM)
University of Nairobi
P. o Box 29053 – 00625 Kangemi, EMAIL: dnkaranja@uonbi.ac.ke
Cell: +254772099226

university of Nairobi Open Day
College of Agriculture & Veterinary science
open Day

International Trade Fair (NITF)

1st to 7th
October 2018.

learn, grow, prosper

learn, grow, prosper

chancellors court

upper Kabete Bask
Jamhuri Park Show
Nairobi,