

Prof. PAUL KANYARI NJUKI:

CURRICULUM VITAE

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CURRICULUM VITAE

2. BACKGROUND

- 1.1 NAME:** PAUL KANYARI NJUKI
- 1.2 DATE OF BIRTH:** DEC. 12TH 1954
- 1.3 PLACE OF BIRTH** Kangema Division, Central
Province, Kenya.
- 1.4 MARITAL STATUS** Married with two children

2. SCHOOLS ATTENDED

1962- 1968 Muguru Primary School, Kangema Division
1969- 1972 Kangema Secondary School, Kangema Division
1973- 1974 Alliance High School, Kikuyu Division, Kenya

3. UNIVERSITY EDUCATION

3.1 UNDER-GRADUATE EDUCATION

1975- 1979 University of Nairobi, Kenya

3.2 POST-GRADUATE EDUCATION

1980 -1982 University of Nairobi, Kenya
1983- 1987 University of Queensland, Australia.

4. DEGREES ATTAINED

- 4.1** Ph.D Doctor of Philosophy in Parasitology
University of Queensland, Australia.
(1983- 1987)
- 4.2** M.Sc. Master of Science in Veterinary Pathology
and Microbiology, University of Nairobi.
(1980- 1982)
- 4.3** B. V. M. Bachelor of Veterinary Medicine
(1975- 1979)

12. ACADEMIC POSITIONS HELD IN EMPLOYMENT

- 5.1** 2007[May] Professor of Veterinary Parasitology
- 5.2** 1997 – 2007 [May] Associate Professor in Veterinary
Parasitology
- 5.3** 1990 - 1997 Senior Lecturer, Parasitology, University of
Nairobi.
- 5.4** 1982-1990 Lecturer in Parasitology, University of
Nairobi
- 5.5** 1979-1982 Assistant Lecturer in Parasitology, University
of Nairobi.

6 ADMINISTRATIVE RESPONSIBILITIES and OTHER POSITIONS AND HELD IN THE UNIVERSITY OF NAIROBI, KENYA

- 6.1** August 2004 to Date- Dean, Faculty of Veterinary

- 6.2** Sep. 2003 to March 2005 **Medicine**
College Representative, Board of Post-Graduate Studies [BPS], Kabete CAVS
- 6.3** Feb. 2000 to Sep 2004
Chairman, Faculty of Veterinary Medicine Post-Graduate Studies Committee

18 PhD and over 25 MSc Proposals critically evaluated for registration with the Board of Postgraduate Studies.

- 6.4** Feb. 1997 to date Faculty Representative to the Nairobi Cluster.
- 6.5** Jan. 1995-Nov.1995 Acting Section Head- Parasitology
- Dec. 1996 - Apr. 1997 Acting Section Head - Parasitology
- 6.6** 1993 to 2004 Member of the College Advisory Committee on the DANIDA Funded Ruminant Gastrointestinal Helminth Research Project.
- 6.7** 1992 -1995 Departmental Representative to the Faculty of Veterinary Medicine Post-Graduate Studies Committee.

7. CURRENT and PAST ACADEMIC ACTIVITIES

- 7.1 LECTURES IN:** Veterinary and Bachelor of Biomedical Technology Courses:
- 7.1.1 Veterinary Parasitology to under-graduate students
- 7.1.2 Advanced Parasitology and Clinical Parasitology to Post-Graduate students
- 7.1.3 Principles of Scientific Communication to under-graduate and Post - Graduate students.
- 7.1.4 Special and Diagnostic Pathology to under-graduates
- 7.1.5 Co-ordination of Post-Graduate Courses & Time-Tables
- 7.1.6 in the Parasitology Division within the Department.

7.2 AREAS CONTRIBUTED TO IN RESEARCH

- 7.2.1 Goat Trypanosomosis - Epidemiology, Breed Differences and Economics
- 7.2.2 Goat Coccidiosis in Australia- Epidemiology, Breed Differences, Ultrastructural Differences, Host Cellular and Humoral Immune Responses
- 7.2.3 Sheep and Goat Helminthiasis in different Agro-Ecological Regions of Kenya
- 7.2.4 Coccidiosis in small ruminants in Kenya
- 7.2.5 Bovine Toxoascariasis in Kajiado District of Kenya, use of laboratory animal models and Control.
- 7.2.6 Participated in the design and execution of a successful experiment testing the effectiveness of Bayticol® (Flumethrin) for protection of cattle against Tse-tse flies at the Coast Province of Kenya.
- 7.2.7 Tested a pyrethroid (Dominex®) for its effectiveness in protection of cattle against Tse-tse transmitted trypanosomiasis - Research work completed, published and the report accepted by the Director of Veterinary Services, Kenya
- 7.2.8 Cryptosporidiosis: Transmission studies with particular reference to the transplacental route in relation to HIV/AIDS in humans.
- 7.2.9 Causes of Ostrich chick mortality in Alabama and Selected localities in Kenya
- 7.2.10 Helminth control among cattle and sheep in semi-arid areas of Kenya
- 7.2.10 Risk Analysis/Assessment, Management and Communication
- 7.2.11 Impact of Urban and Peri-Urban Livestock Farming in the Lake Victoria Basin on Public Health and Incomes

8. POST-GRADUATE SUPERVISION

8.1 The following are titles of Master of Science Thesis submitted and degree awarded after my supervision:

8.1.1 Dr. S.M. Githigia: "Caprine Coccidiosis: Epidemiological studies in selected areas of Kenya and aspects of Pathology"

8.1.2 Dr. J.N. Chege: "Investigation of the involvement of the domestic cat in the cyclic transmission of Caprine Besnoitia".

8.1.3 Dr. J.G. Waweru: "Ovine fascioliasis: Comparison of breed differences between Red Maasai and Dorper under experimental conditions".

8.1.4 Dr.G.O. Matete " Lymphocyte infectivity and characterization of *Theileria parva* isolated from paddocks in Kiambu District.

8.1.5 Dr. Omega " Immuno-diagnosis of ovine fascioliasis".

8.1.6 Dr. J.G. Kagira: "Nematode parasites of Pigs in selected localities in Kenya."

8.1.7 Dr Lavoisier Akoolo(2007): "Identification of *Theileria parva* Vaccine Candidate Antigens Recognised By Cytotoxic Lymphocytes From Zebu Cattle "

8.1.8 Dr Esther Wafula (2007). Cross-Sectional Survey of Mange and Contagious Caprine Pleuropneumonia(CCPP) in Goats, Turkana District, North-Western Kenya”

8.1.9 Dr Chemis JV(on going). Studies on the Causes of Chick and Embryo losses in Selected Ostrich farms in Kenya.

8.2 **Doctoral Thesis[PhD]**

8.2.1 Dr. J.N. Chege

Title of the Thesis: " Epidemiology and Control of Gastrointestinal Helminth Infections in Sheep in a Semi-arid Area of Kajiado District of Kenya".

8.2.2 Dr J. Kagira(on going)- " A Study of Factors Influencing Pig Health and Productivity in Small Holder Pig Farms in Trypanosomosis Endemic Area of Western Kenya.

9. **PhD and MSc THESES TITLES EXAMINED**

9.1 Olaho-Mukani, W. [1990] Ph.D.

Development and characterisation of monoclonal antibodies (MCABs) to *Trypanosoma (Trypanozoon) brucei evansi* and their application as immunodiagnostic agents"

9.2 Githigia, S.M.[1991]. M.Sc.

"Caprine Coccidiosis: Epidemiological studies in selected areas of Kenya and aspects of pathology"

9.3 Kasigazi, S.. [1994]. M.Sc.

" Pathological studies on natural caprine besnoitiosis and experimental infection of sheep, rabbits and goats".

9.4 Ng'ang'a, J.C. [1993]. MSc

"Investigation of the involvement of the domestic cat in the cyclic transmission of Caprine Besnoitia."

9.5 Waithanji, E.M. [1993] M.Sc.

"Use of antigen trapping ELISA kit for field diagnosis of *Trypanosoma evansi* infections in dromedary camels (*Camelus dromedarius*).

- 9.6 M.Sc. " Clinical manifestation of experimental *Trypanosoma evansi* infection in the dromedary camel and the effect of treatment on haematological, biochemical and serological values"
- 9.7 Njoroge, E. [1994]. M.Sc.
" Studies on Experimental water intoxication in calves".
- 9.8 Mukhwana, E.J. [1994]. M.Sc.
" A comparison of the efficacy of three anthelmintics against mixed natural gastro-intestinal nematode infection in camels".
- 9.9 Waweru, J.G. [1995]. MSc
"Experimental Ovine fascioliasis. A comparative study on clinicopathological features in two breeds of sheep."
- 9.10 Mutasa J.A. [1995]. M.Sc.
" A survey of the prevalence of *Dirofilaria immitis* (Heart Worm) infection in dogs in Kenya."
- 9.11 Munene, J.N. [1996]. Ph.D.
"Caprine besnoitiosis: Prevalence of infection in Kenya goats and differentiation from the bovine species".
- 9.12 Nungari T. (1997) MSc.
"Pathways to glucose catabolism and fate of reducing equivalents in the *in vitro* propagated *Theileria parva* schizonts."
- 9.13 Sakwa D.P. [1997]. M.Sc.
"A study of sheep helminthiasis with special emphasis on *Haemonchus contortus* larvae in Muguga, Kenya."

- 9.14 Matete, G.O. (1997). MSc
 “Lymphocyte infectivity and characterization of *Theileria parva* isolated from paddocks in Kiambu District.”
- 9.15 Nyende, M.K. [1998]. MSc.
 “Development of latex slide agglutination test and its use for serodiagnosis of Heartwater [*Cowdria ruminantium*] infection in small ruminants.”
- 9.15 Odoi Agricola [1998]. MSc.
 “Effects of gastrointestinal nematodosis on the production of small ruminants in small holder mixed farms in two Agro-ecological zones in Kiambu District, Kenya.”
- 9.16 Mbaria, J.M.[1999] PhD.
 “Studies of pharmacokinetics, anthelmintic efficacy and acute toxicity of pyrethrins in sheep and dogs and pyrethroid analysis in air.”
- 9.17 Waruiru, R.M. [1998] PhD.
 “Epidemiology and control of gastro-intestinal nematode infections of dairy cattle in Kiambu District, Kenya.”
- 9.18 Lang'at C.K. [1999]. MSc.
 “The prevalence of hydatidosis in livestock and the potential role played by various livestock intermediate hosts in the transmission of hydatidosis
- 9.19 Deogracious Olila [2000]. PhD.
 Pharmacological and epidemiological studies on the drug-sensitivity of trypanosomes isolated from peri-urban dairy system in Uganda.
- 9.20 Tito Nyambenyi (2001). MSc
 An experimental establishment of infection of *Haemonchus contortus* in two breeds of sheep in Kenya

- 9.21 Kagira J. [2001]. MSc.
The Prevalence of Gastro-intestinal Parasitism, Control Practices and occurrence of Anthelmintic Resistance in Commercial Pig Farms in Thika District, Kenya.
- 9.22 Biryomumaisho Savino [2001] MSc.
Comparative Clinicopathology of *Trypanosoma congolense* and *Trypanosoma brucei* infection in Goats.
- 9.23 Ahmadu, B. [2001]. PhD.
Management Practices, Morphometric Body Measurements and Diseases of Local Zambian Goats.
- 9.24 Makanya, A.N. [2002]. PhD.
Post-natal Mammalian Lung Development: A Study of the Morphological Events in a Marsupial (Quokka, *Setonix brachyurus*) Under Natural Circumstances and in a Eutherian Rat (*Rattus norvegicus*) in Glucocorticoid Treatment
- 9.25 Dr. Nsamba Peninah [2002]. MSc.
A longitudinal Study of Gut Parasites in Layer Chicken Kept Under Deep Litter System in Kampala Urban and Peri-Urban.
- 9.26 Dr. Germaine Tami Guemgne Simo [2003]. PhD
Identification of *Plasmodium falciparum* Transcripts Differentially Expressed Or Developmentally Regulated During The Sexual Cell Cycle
- 9.27 Dr. C.J. Ng'ang'a [2003]. PhD
Epidemiology and Control of Gastrointestinal Helminth Infections in Sheep in a Semi-Arid Area of Kajiado District of Kenya
- 9.28 Dr. Thokozani Hove [2004] PhD
Toxoplasma gondii Infection in Selected Domestic and Game Animal Species in Zimbabwe.
- 9.29 Dr. Chrisostom Ayebazibwe[2005].

The infection patterns in cattle kept by Agro-pastoralists in Kikatsi sub-county, Mbarara District”.

9.30 Dr. Felix Ondongo[2006].

The Prevalence of Cysticercosis in Pigs and the Factors Influencing its Transmission in Mbale District-Uganda.

9.31 **Frank Lusasi Basiye [2007] MSc, Thesis**

Development of Standard Protocols for sampling, Preparation and storage of Bio-clinical Materials for *Trypanosoma* and *Leishmania* Research.

10. EXTERNAL EXAMINER TO OTHER UNIVERSITIES

- 10.1 Makerere University, Uganda -Veterinary Under-graduate Parasitology Examination –1995- 1998, 2004
- 10.2 Sokoine University of Agriculture - Under- graduate Veterinary Parasitology Course - 1998 - 2000.
- 10.3 Egerton University, Njoro - Under-graduate Courses in Animal Health 1998 to 2006.
- 10.4 University of Zimbabwe:
 - Veterinary Under-graduate Courses in the Para-Clinical Department;
 - Consultancy Services Offered for evaluation of Senior staff for promotion and
 - External Examiner to a PhD Thesis
- 10.5 University of Zambia - Consultancy as External Examiner to a PhD Thesis
- 10.6 Botswana College of Agriculture- Consultancy Services Offered for evaluation of Senior staff for promotion

11. CONSULTANCY SERVICES RENDERED

- 11.1 **FMC International** - Evaluation of Alphamethrin (Dominex[®])
for control of Cattle Trypanosomosis
- 11.2 **Unga Group** - Use of Amitraz (Almatix[®]) for the Control of Ticks
- 11.3 **Hoechst** - Evaluation of Amitraz (TackTick[®]) in the control

of sheep mange

11.3 Kenya Veterinary Journal - Biennial Faculty Conferences

Reviewed of articles for publication titled:

- " Hatchability and fertility of indigenous chicken and duck eggs and some causes of chick and duckling mortality in Kenya."
- " The Effect of Decamethonium Bromide on Developing Mosquito Larvae (*Culex quinquefasciatus* and *Aedes aegypt*".

11.4 Agricultural Research Foundation (ARF)

Review of Research Proposals

11.5 Kenya Agricultural Productivity Project[KAPP]

Development and Prioritization of Research Thematic Areas and Review of Research Proposals

11.6 Commission for Higher Education[CHE]

Evaluation of Research Proposals and Development of Tools for Monitoring and Evaluation of Funded Research.

12. SCHOLARSHIPS HELD.

12.1 University of Nairobi Scholarship - MSc. Course Work and Research. Thesis submitted entitled " Trypanosomiasis: A Study on the Development and Control in Three Breeds of Goats."

12.2 Australian Development Assistance Bureau (ADAB) Scholarship. Ph.D. Research Thesis submitted entitled " Studies on Caprine Coccidiosis".

13. FELLOWSHIPS HELD

13.1 National Council for Science and Technology - Kenya - For

Studies On Caprine Trypanosomiasis

- 13.2 Australian Goat Breeders Society - Australia - Caprine Coccidiosis Studies
- 13.3 Fulbright Senior Scholar Award - United States Information Agency 1995/96. Funded Sabbatical Leave at Tuskegee University, Alabama, U. S. A.

14 FUNDED GRANTS:

- 14.1 Cryptosporidiosis: Transmission studies in immunocompromised murine hosts -Council for International Education of Scholars [CIES]- USA.
- 14.2 Helminth Research Project in Kenya - Danish Development Agency [DANIDA] - Causes of ostrich chick mortality in Kenya and Alabama, USA - United States Department of Agriculture [USDA]
- 14.3 Risk Assessment and Analysis - A collaborative Project between Tuskegee University, USA and Faculty of Veterinary Medicine, University of Nairobi.2002 to 2004
- 14.4 Urban Livestock Farming and the Risks to Human Health- Lake Victoria Research Initiative[VicRes]- Nov 2006

15. MEMBERSHIP [past & present] TO PROFESSIONAL BODIES

- 15.1 Kenya Veterinary Board- Registration No546
- 15.2 Kenya Veterinary Association
- 15.3 Australian Society for Parasitologists
- 15.4 Royal Society for Tropical Medicine and Hygiene

- 15.5 New York Academy of Sciences
- 15.6 American Society for Parasitologists
- 15.7 World Association for Advancement of Veterinary Parasitology [WAAVP]
- 15.8 Association of Institutions of Tropical Veterinary Medicine [AITVM]
- 15.9 Kenya National Academy of Sciences- October 2004

16. NON-PROFESSIONAL CLUB MEMBERSHIP

- 16.1 Public Service Club - Kenya
- 16.2 The Optimist Club, Tuskegee Chapter, Alabama, U.S.A.
- 16.3 WHO'S WHO IN THE WORLD 1997 - 2003 Editions - BIOGRAPHY INCLUDED
- 16.4 WHO'S WHO IN SCIENCE AND ENGINEERING 1999-2003 Editions BIOGRAPHY INCLUDED
- 16.5 INTERNATIONAL SCIENTIST OF THE YEAR 2004 [Award]. A Publication of International Biographical Centre, Cambridge England

17 COMMUNITY SERVICES

- 17.1 Chief Guest - Various Fund - Raising Functions, for example to help pay outstanding hospital bills, educational needs for financially handicapped students etc.

- 17.2 Organising Chairman - For Electrification and Water reticulation committees in my local area of residence - Kajiado, KENYA. 1992
- 17.3 KAMEME FM RADIO - Featured in the programme: Great Kenyan - 2002
- 17.4 TREASURER, PTA Karen "C" Primary School- 199-2002
- 17.5 CHAIRMAN, PTA Karen 'C' Primary School - 2002-2004

18. LIST OF PUBLICATIONS

- 18.1 P. W. N. KANYARI (1982). " Goat Trypanosomiasis: Effect of chemotherapy using isometamedium chloride on production in three goat breeds". Kenya Veterinarian **6** (2): 9.
- 18.2 P. W. N. KANYARI, W. K. MUNYUA, A. J. WILSON, E. W. ALLONBY (1982) "Trypanotolerance and economics among East African goats compared to their crosses with two exotic Breeds". In Karbe, E. and Freitas, E. K. (Eds); pp. 93 - 99.
- 18.3 P. W. N. KANYARI, E. W. ALLONBY, A. J. WILSON, W. K.MUNYUA (1983). "Some economic effects of trypanosomiasis in goats." Tropical Animal Health and Production. **15**: 153- 159.
- 18.4 P. W. N. KANYARI, W. K. MUNYUA, A. J. WILSON (1986). "Goat Trypanosomiasis:Trypanotolerance and Epidemiology among goat breeds in Kenya." Bulletin of Animal Health and Production in Africa. **34**: 93 - 97.
- 18.5 P. W. N. KANYARI (1988). " Coccidiosis in goats and aspects of epidemiology." Australian Veterinary Journal. **65** (8):257- 258.

- 18.6 P. W. N. KANYARI (1988). " Caprine coccidiosis". The Australian Goat World **39**:3.
- 18.7 P. W. N. KANYARI (1988). " Experimental infections with coccidiosis and serum antibody quantitation in two breeds of goats". Veterinary Parasitology. **28**: 11 - 18.
- 18.8 P. W. N. KANYARI (1989). " Experimental coccidiosis in the goat *Capra hircus*: Observations on the ultrastructural aspects of *Eimeria apsheronica* macrogametogenesis". Bulletin of Animal Health and Production. Special Issue.
- 18.9 P. W. N. KANYARI (1990). " Development of *Eimeria apsheronica* in Goats *Capra hircus*: Endogenous development and host cellular response."International Journal for Parasitology. **20**: 625 - 630.
- 18.10 P. W. N. KANYARI (1990). " Prevalence of coccidia oocysts in sheep and goat faecal samples. A preliminary report based on laboratory records." Bulletin of Animal Health and Production in Africa, **38** (4): 473 - 474.
- 18.11 P. W. N. KANYARI (1991). " Effects of Corticosteroids on natural and experimental caprine coccidial infections". Bulletin of Animal Health and Production in Africa, **39** (3):351 - 353.
- 18.12 P. W. N. KANYARI, P. K. GATHUMBI and S. M. MBUGUA (1991). " Tyzzer's disease in Kenya rabbit . A case report". Bulletin of Animal Health and Production in Africa. **39**: 115 - 116.
- 18.13 S. M.GITHIGIA, MUNYUA W. K. and **KANYARI P. W. N.** (1992). Prevalence of *Eimeria* species in goats from parts of Central Kenya. Bulletin of Animal Health and Production in Africa. **40**:283-285.
- 18.14 S. M.GITHIGIA, MUNYUA W. K. AND **KANYARI P. W. N.**

- (1992). " Observations of the pathology of natural *Eimeria* infection in kids in Kenya". Bulletin of Animal Health and Production in Africa. **50**: 235 - 237.
- 18.15 P. W. N. KANYARI (1993). The relationship between coccidial and helminth infections in sheep and goats in Kenya". Veterinary Parasitology, **51**: 137 - 141 .
- 18.16 C. J. NGANGA, **P. W. N. KANYARI**, W. K. MUNYUA (1994). " Isolation of *Besnoitia wallacei* in Kenya". Veterinary Parasitology, **52**: 203- 206.
- 18.17 P. W. N. KANYARI (1994). " Immunohistological demonstration of antigenicity of various endogenous stages of *Eimeria* in goats." Veterinary Research Communications, **18**: 295 - 299.
- 18.18** C. J. NGANGA, W. K. MUNYUA and **P. W. N. KANYARI** (1994). "Recovery and identification of *Besnoitia* and other coccidia from cat faeces around Kabete in Kenya." Bulletin of Animal Health and Production in Africa, **42**:187 - 191.
- 18.19 P. W. N. KANYARI, W.K. MUNYUA & J. NGOTHO. (1995). "*Toxocara vitulorum* infections in cattle in Kajiado District, Kenya". Bulletin of Animal Health & Production in Africa, **3**:11-5
- 18.20 R.M. WARUIRU, P.G. MBUTHIA, S.M. NJIRO, T.A. NGATIA, E.H. WEDA, J.W. NGOTHO, **P.W. N. KANYARI** and W.K. MUNYUA (1995). Prevalence of gastro-intestinal parasites in wild and domestic ruminants in a game farm in Kenya. Bulletin of Animal Health and Production in Africa, **43**: 253- 259.
- 18.21 P.W. N. KANYARI. (1996). A comparison of the ultrastructural aspects of macrogametogenic stages of two *Eimeria*

species of goats. *Discovery and Innovation*, **8**:181-188.

- 18.21 T.A. NGATIA, P.G. MBUTHIA, R.M. WARUIRU, S.M. NJIRO, **P.W. N. KANYARI**, W.K. MUNYUA and J. NGOTHO (1996). "Gross lesions encountered in slaughtered wild animals in a game ranching farm in Kenya.". *Bulletin of Animal Health and Production in Africa*, **43**: 253- 259.
- 18.23 **P. W. N. KANYARI**, W.K. MUNYUA, J. C. NG'ANG'A and J. NGOTHO (1996). Epidemiology of bovine *Toxocara vitulorum* in faecal and milk samples in Kenya. *Bulletin of Animal Health and Production in Africa*, **44**:255 - 256.
- 18.22 **P. W. N. KANYARI**, J. N. CHEGE, W.K. MUNYUA, & J. NGOTHO (1996). Experimental infection of rabbits (*Orytolagus cuniculus*) with *Toxocara vitulorum* from calves. *Bulletin of Animal Health and Production in Africa*, **44**: 257 - 258.
- 18.25 T.A. NGATIA, P.G. MBUTHIA, R.M. WARUIRU, S.M. NJIRO, **P.W. N. KANYARI**, W.K. MUNYUA, E. H. WEDA and J. NGOTHO (1997). "Parasites and microscopic lesions in the livers of slaughtered wild animals in Kenya". *Bulletin of Animal Health and Production in Africa*, **45**: 211 - 215
- 18.26 **P.W.N. KANYARI**, OYEJIDE, A.O., ALAK, J.I.B., OYEWOLE, A., ANDERSON, D.L., WILSON, S.T. (1998). "*Cryposporidium parvum*: Histopathological evidence of transplacental transmission in mice". *The Kenya Veterinarian* 23:103-105
- 18.27 T.A. NGATIA, P.G. MBUTHIA, R.M. WARUIRU, S.M. NJIRO, **P.W. N. KANYARI**, W.K. MUNYUA, E.H. WEDA and J. NGOTHO (1998). Sarcocystis in slaughtered wild animals in Kenya. *Bulletin of Animal Health and Production in Africa*, **46**: 1 - 4

- 18.28 J.A. OMEGA, W.K. MUNYUA, T.A. NGATIA, E.K. KANG'ETHE and **P.W.N. KANYARI** (1998). Fasciola worms, faecal and gall bladder egg count relationships in sheep experimentally infected with *Fasciola gigantica*. Bulletin of Animal Health and Production in Africa **46**: 149-151.
- 18.29 J.G. WAWERU, **P. W. N. KANYARI**, D.M. MWANGI, T.A NGATIA and P. NANSEN (1999). " A comparison of serum biochemical changes in two breeds of sheep (Red Masai and Dorper) experimentally infected with *Fasciola gigantica*". Onderstepoort Journal of Veterinary Research, **66**:47 - 49.
- 18.29 J.G. WAWERU, **P. W. N. KANYARI**, D.M. MWANGI, T.A NGATIA and P. NANSEN (1999). "Comparative parasitological and haematological changes in two breeds of sheep infected with *Fasciola gigantica*." Tropical Animal Health and Production, **31**: 363 - 372.
- 18.30 T.A. NGATIA, P.G. MBUTHIA, R.M. WARUIRU, S.M. NJIRO, **P.W. N. KANYARI**, W.K. MUNYUA, EH. WEDA and J. NGOTHO (1999). "Verminous pneumonia and other microscopic lung lesions in wild animals in Kenya." Bulletin of Animal Health and Production in Africa, **46**: 153-155.
- 18.31 **P. W. N. KANYARI**, W.K. MUNYUA, J. C. NGANGA (2000). "The African buffalo (*Syncerus caffer*): gastro-intestinal parasites with special reference to *Toxocara* spp in Kenya. Tanzanian Veterinary Journal **20**: 57-63
- 18.32 **P. W. N. KANYARI** and J.G. KAGIRA (2000). "The role of parasitic diseases as causes of mortality in cattle in a high potential area of Kenya: A quantitative analysis". Onderstepoort Journal of Veterinary Research, **67**:157 - 161.
- 18.34 J. G. KAGIRA and **P. W. N. KANYARI**, (2000). "The role of

parasitic diseases as causes of mortality in dogs: a retrospective study of 351 cases (1984 - 1998)". Israel Journal of Veterinary Medicine, **56**: 9 - 11.

- 18.35 J. G. KAGIRA and **P. W. N. KANYARI**, (2001). " The role of parasitic diseases as causes of mortality in small ruminants in a high potential area of Central Kenya". Journal of South African Veterinary Association, **72** (3): 147 - 149.
- 18.36 J.M. KAGIRA, R.M. WARUIRU, W.K. MUNYUA. and **P.W.N. KANYARI** (2001). Worm control practices and implications for the development of anthelmintic resistance on commercial pig herds in Thika District, Kenya. Bulletin of Animal Health and Production in Africa 49:250-253
- 18.37. **P. W. N. KANYARI** (2001). "Efficacy of alphamethrin (Dominex®) Pour-on in the control of bovine trypanosomosis". Bulletin of Animal Health and Production in Africa, 49:130-133.
- 18.38 K. SRIVASTVA, A. OYEJIDE, **P.W.N. KANYARI**, T.A. NGATIA, P. MBAABU-MATHIU (2002). " What is your diagnosis? Oozing ostrich egg". Lab Animal **31**:23-24
- 18.39 **P.W.N. KANYARI**, A. OYEJIDE, J. ALAK, D. ANDERSON, S.T. WILSON and K.K. SRIVASTAVA (2002). "*Cryptosporidium parvum*: experimental transmission in murine hosts". Israel Journal of Veterinary Medicine **57**(2): 70 - 75
- 18.40 J. G. KAGIRA, **P. W. N. KANYARI** (2002). " The role of parasitic diseases as causes of mortality in commercial chicken" The Kenya Veterinarian **25**: 40- 43.
- 18.41 J. G. KAGIRA, **P. W. N. KANYARI**, W.K. MUNYUA, and R.M. WARUIRU (2003). "The control of parasitic nematodes

in commercial piggeries in Kenya reflected by a questionnaire survey on management practices". *Tropical Animal Health and Production*. **35**: 79-84

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- 18.51 **P.W.N. KANYARI**, T.A. NGATIA, P. M. MATHIU, A. OYEJIDE, K.K. SRIVASTAVA. Some causes of poor performance and chick mortality in farmed ostriches in Alabama, USA and Kenya. *The Kenya Veterinarian* Vol 28: 6-10.
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- 18.55 P.W.N. KANYARI, WANDAKA, F.K.(2005)** “ A Qualitative Risk Assesment of Kenya for FMD for purposes of Exportation of Cooked Pork Frankfurters to USA”. The Kenya Veterinarian, 29: 107-112.
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- 18.57. LAVOISIER AKOOLLO, **P. W. N. KANYARI et al. [2007]**. Evalution of the recognition of *Theileria parva* vaccine candidate antigens by cytotoxuic T-lymphocytes from zebu cattle. Veterinary Immunology and Immunopathology - Accepted on 26-09-2007

19 TITLES SUBMITTED FOR PUBLICATION

2 Papers in Preparation

20. BOOKS AND MANUALS

A MANUAL OF VETERINARY ENTOMOLOGY With Special Reference to the Tropics. UNIVERSITY OF NAIROBI PRESS.

Reviewed , re-submitted to the Editorial Board

21 **SEMINARS ATTENDED AND PAPERS PRESENTED.**

- 21.1 P. W. N. KANYARI (1982). " Goat Trypanosomiasis - The effects of isometamedium chloride on productive performance in three goat breeds". In Strategies and recent developments for the control of Trypanosomiasis and East Coast Fever. International Laboratories for Research on Animal Diseases. June 7th - 8th, 1982.
- 21.2 P.W.N.KANYARI (1985). "Studies in goat coccidiosis: Effects of corticosteroids on natural and experimental infections". Australian Society for Parasitologists, Annual Scientific Conference, Sydney, Australia. August 28th - 30th, 1985.
- 21.3 P.W.N. KANYARI (1986). " Ultrastructural studies of *Eimeria apsheronica* in goats". Sixth International Congress of Parasitology (ICOPA), University of Queensland, Brisbane, Australia. August 24th - 29th 1986.
- 21.4 P. W. N. KANYARI (1989). " Experimental coccidiosis in the goat *Capra hircus*: Observations on the ultrastructural aspects of *Eimeria apsheronica* macrogametogenesis". Kenya Veterinary Association, Proceedings of the Annual Scientific Conference, University of Nairobi, Faculty of Veterinary Medicine, Kenya, September 20th - 22nd, 1989.
- 21.5 P. W. N. KANYARI (1990). " Immunohistological demonstration of antigenicity of the various endogenous stages of in goats". Kenya Veterinary Association Annual Scientific Conference, University of Nairobi, Faculty of Veterinary Medicine, Kenya. September 19th - 21st, 1990.
- 21.6 P. W. N. KANYARI (1992). " *Toxocara vitulorum* infection in the bovine". Kenya Veterinary Association Annual Scientific Conference, University of Nairobi, Faculty of

Veterinary Medicine, Kenya, April 22nd - 24th.

- 21.7 P. W. N. KANYARI, W. K. MUNYUA, and J. W. NGOTHO (1993). *Toxocara vitulorum* infections in cattle in Kajiado District, Kenya". Second Seminar on the DANIDA Ruminant Gastrointestinal Helminth Research Project. University of Nairobi, Kabete College of Agriculture and Veterinary Medicine, Kenya. January 18th - 22nd.
- 21.8 S. M. GITHIGIA, W. K. MUNYUA, **P.W. N. KANYARI** (1993). " Prevalence of coccidiosis in Kenya." Second Seminar on the DANIDA Ruminant Gastro-intestinal Helminth Research Project. University of Nairobi, Kabete College of Agriculture and Veterinary Medicine, Kenya. January 18th-22nd.
- 21.9 P. W. N. KANYARI, W. K. MUNYUA, J. N. CHEGE, J. W. NGOTHO, and J.GICHANGA (1994). " *Toxocara vitulorum* - Kajiado District, Kenya: Prevalence of infection in calves, larval isolation from colostral milk and experimental infections in rabbits. Third Seminar on the DANIDA Ruminant Gastro-intestinal Ruminant Helminth Research Project, Samora Mitchel School of Veterinary Medicine, University of Zambia, Lusaka, Zambia. January 24th - 27th, 1994.
- 21.10 P. W. N. KANYARI., OYEJIDE, A.O., ALAK, J. J. B., OYEWOLE, A. ANDERSON, D. L and WILSON, S. T. (1996). Transplacental transmission of *Cryptosporidium parvum* following experimental infection of immunosuppressed mice. Tuskegee School of Veterinary Medicine, Department of Pathology and Parasitology, Tuskegee University, Tuskegee, Alabama, U.S.A. Nov. 15th.
- 21.11 A. OMEGA and **P.W.N. KANYARI** and others (1997). Suitability of the faecal egg sedimentation (FEST) as a

quantitative diagnostic technique for fasciolosis in sheep.
6th Annual Seminar of the DANIDA Funded Ruminant
Helminth Research Project. 27th - 31st January. ILRI, Kenya.

- 21.12 J.A. OMEGA , **P.W.N. KANYARI** and others (1997).
Enzyme-Linked Immunosorbent Assay (ELISA) for the
detection of circulating *Fasciola gigantica* antigens in sera
of experimentally infected sheep. 6th Annual Seminar of
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Parasite *Toxocara* sp. In the African Buffalo (*Syncerus
caffer*): 7th Annual Seminar ENRECA Livestock Helminth
Research Project. 27th April to 1st May, Arusha Tanzania.
- 21.14 P.W.N. KANYARI et. al. (1998). *Cryptosporidium parvum*:
Histopathological Evidence of Transplacental Transmission
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5th - 7th.
- 21.15 P.W.N. KANYARI and WAWERU, J.G. (1999). Differences
in Breed Responses to experimental *Fasciola gigantica*
infection in sheep. 9th International Conference of
Institutes of Tropical Veterinary Medicine. 14th to 18th
September. Harare, Zimbabwe.
- 21.16 P.W.N. KANYARI et. al. (1999). The African Buffalo
(*Syncerus caffer*): Gastro-intestinal Parasites with special
reference to *Toxocara* sp. in Kenya. WAAVP
Conference, August 15th - 19th. Copenhagen, Denmark.
- 21.17 P.W.N. KANYARI, Weda E. and Otieno, R. (2001). Use of
medicated urea molasses blocks [MUMB] to control
gastro-intestinal nematodosis in calves in a semi-arid
environment. The 10th International Conference of the
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20th - 23rd August, Copenhagen, Denmark.

- 21.18 P.W.N. KANYARI, et. al. (2001). Cryptosporidiosis: Transplacental Transmission in Immunosuppressed mice and Possible Relation to AIDS in Humans. The 18th International Conference of the World Association for the Advancement of Veterinary Parasitology [WAAVP], 26th - 30th August , Stresa, Italy.
- 21.19 TYLOR, W.D., SRIVASTAVA, K.K., OYEJIDE, A., **KANYARI, P.W.N.**, NGATIA T.A., MBAABU-MATHIU, P. (2002). Evaluation of causes of chick mortality in small holder ostrich farms in Alabama. School of Veterinary Medicine Annual Symposium, Kellog's Conference Centre, Alabama USA March 6th to 9th.
- 21.20 J. M. KAGIRA, **P. W. N. KANYARI** (2002). An analysis of intensity of nematode infections in commercial pig farms in Thika District. Annual Scientific Meeting of the Kenya Veterinary Association Held at Kakamega; April 2002
- 21.21 J.M. KAGIRA, R.M. WARUIRU, W.K. MUNYUA, **P.W.N. KANYARI** (2002). Anthelmintic resistance survey in commercial pig herds in Thika District, Kenya. 8th Biennial Scientific Conference, KARI. 11th - 15th November, Nairobi.
- 21.22. **KANYARI P.W.N.** and **WANDAKA, F.K.**
Risk Analysis for African Swine Fever Introduction into United States From Exported Pig Frankfurters. Pan African Conference on Risk Analysis and Modelling and Sanitary/ Phytosanitary(SPS) Capacity Building in Sub-Saharan Africa. Addis Ababa Ethiopia - Tuskegee University Center for Computational Epidemiology, Bioinformatics and Risk Analysis in Cooperation with

USDA/APHIS/PPD, USA. September 27th to October 1st,
2004

21.22 KANYARI P.W.N. and WANDAKA, F.K.

Faculty of Veterinary Medicine, Biennial Scientific
Conference,. Kabete College of Agriculture and Veterinary
Sciences, University of Nairobi, Kenya. 5th to 8th November
2004

21.23 KANYARI, P.W.N. [2006]

Challenges to Livestock Keeping in Peri-Urban arid and
Semi-Arid Lands [ASALs] With Special Reference to
Parasitic Diseases. Faculty of Veterinary Medicine,
University_of Camerino, Italy. 5th October.

21.24 KANYARI, P.W.N. [2007] ‘**Rift Valley Fever in**

Kenya’. Annual Veterinary Conference, College of
Veterinary Medicine, 28th March. Washington State
University, USA.

21.25 KANYARI, P.W.N. [2007] ‘**Pandemic Avian Influenza:**

Kenya Country Response’. Professional Agricultural
Workers Conference, 2nd to 4th December 2007. Tuskegee
School of Veterinary Medicine, Nursing and Allied
Sciences, Alabama, USA

22. FURTHER TRAINING - Continuing Education

22.1 Certificate of Achievement in the Course " Introduction to
Computers and Fundamentals of MS-DOS 6.2 and Harvard
Graphics 3.0". Institute of Nuclear Science, University of Nairobi,

January to February 1996.

- 22.2 Continuing Education Certificate; 37th Annual Veterinary Medical Symposium. Tuskegee University, College of Veterinary Medicine, Nursing and Allied Health. March 6th -9th 2002.
- 22.3 Tuskegee University- Centre for Computational Epidemiology, Bioinformatics and Risk Analysis- Risk Assessment SPS Capacity Building in Sub-Sahara Africa, July 27th-Aug 9th, 2002
- 22.4 Risk Analysis and Modelling Workshop, Addis Ababa Ethiopia - Tuskegee University Center for Computational Epidemiology, Bioinformatics and Risk Analysis in Cooperation with USDA/APHIS/PPD, USA. July 29th to August 10th, 2002
- 22.5 Advanced Risk Analysis and Modelling Workshop, Addis Ababa Ethiopia - Tuskegee University Center for Computational Epidemiology, Bioinformatics and Risk Analysis in Cooperation with USDA/APHIS/PPD, USA. June 2nd to 14th, 2003
- 22.6 Train the Trainer Workshop/ Pan African Conference on Risk Analysis and Modeling and Sanitary/ Phytosanitary(SPS) Capacity Building in Sub-Saharan Africa. Addis Ababa Ethiopia - Tuskegee University Center for Computational Epidemiology, Bioinformatics and Risk Analysis in Cooperation with USDA/APHIS/PPD, USA. September 20th to 24th, 2004
- 22.7 Financial Management and Human Resource Management For Deans and Directors. Federation of Kenya Employers; 29th to 2nd October 2005. Kisumu April 2005.
- 22.8 Leadership Skills. The Steadyman Group, Management Training Division. Kenya Commercial Bank Training College, 10th-11th April 2006.
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