

CURRICULUM VITAE

KENNETH MBAI

Biodata:

Name: Kenneth Mbai

Sex: Male

Nationality: Kenyan

Date of Birth: 14th July 1963

Marital Status: Married.

Academic Qualifications:

1969-1982: Attended Primary secondary and high schools.

1984-1988: Studied for a Bachelors degree in Veterinary Medicine at the University of Nairobi and graduated as the best student in the class.

1989-1996: Studied for a Masters of Science degree from the University of Nairobi which was awarded for a thesis on Ram Infertility caused by *Actinobacillus seminis* in Machakos and Kajiado districts of Kenya.

Professional Experience:

1997-Present: Working as a Lecturer in the same institution, with the principle duties being teaching Theriogenology to certificate, undergraduate and postgraduate students, Veterinary clinical work at clinic and farm levels, consultancy and research into factors constraining the production and reproduction of livestock especially in marginal areas.

Extra duties and responsibilities:

The coordinator, Artificial insemination and Fertility management from 2002 to 2004.

Member of the Faculty Library committee.

Departmental representative, college show committee, 1998 to 1999.

Has acted as the head of Theriogenology section.

The coordinator, departmental postgraduate and staff seminars.

1989-1997: Worked with the University of Nairobi as an assistant lecturer in the Department of clinical studies. Duties included teaching undergraduate programmes in Veterinary Reproduction and Obstetrics (Theriogenology), Veterinary clinical work in a busy clinic and farm visits for herd health programmes and consultation as well as research into productive and reproductive problems in food animals.

1988-1989: Worked with Kenya's Ministry of Livestock development as a research officer. Participated in research work on contagious caprine pleuropneumonia (CCPP) leading to the development of a vaccine.

Research projects involvement:

1988-1989: Participated in the research project that led to the development of the CCPP field vaccine at the Veterinary research laboratories.

1992-1996: Researched on *Actinobacillus seminis* as a cause of ram infertility in Kenya, a study funded by CIDA.

1999-2002: Researched into the causes of pre-weaning mortality in goat kids in Kenya in a project funded by the European Union through the Kenya Agricultural Research Institute (KARI).

2000-2001

Researched into the health and reproductive problems faced by voluntary dairy goat farmer groups in Central Kenya, a study funded by KARI and the GTZ.

Currently: Working on a research project on the causes of and possible strategies for the

improvement of poor camel reproductive efficiency in Kenya, in collaboration with the Ministry of livestock and Fisheries development and the ADB.

Publications:

1. Rurangirwa, F.R., Mcguire, T.C., **Mbai, K.**, Ndungu, L. and Wambugu, A. (1991). Preliminary field test of the lyophilized Contagious caprine pleuropneumonia vaccine. *Res. Vet.Scie.***50**: 240-241.
2. Mutiga, E.R., **Mbai, K.**, Tsuma, V.T., Karitu, P.F. and Ojiayo, O.(1993). Incidence and causes of retained afterbirth in small holder dairy herds. *Indian J. Vet. Scie.* **70**: 333-336.
3. **Mbai, K.**, Munyua, S.J.M., Gathumbi, P.K. and Mbiuki, S.M. (1996). *Actinobacillus seminis* as a cause of ram infertility in Kenya. *Small Ruminant Research J.*, 21: 227 - 231.
4. **Mbai, K.**, Krause, A-K., Munyua, S.J.M. and von der Ohe, W. (2001). Improving the livelihoods of the rural poor in Kenya: A case study in the provision of milk, meat and income from dairy goats in Central Kenya I : Project organization and goat breeding. *Kenya Veterinarian*, **24**: 30-34.
5. **Mbai, K.**, Krause, A-K., Munyua, S.J.M. and von der Ohe, W. (2001). Improving the livelihoods of the rural poor in Kenya: A case study in the provision of milk, meat and income from dairy goats in Central Kenya II : Dairy goat health, reproductive and economic performance. *Kenya veterinarian*, **24**: 35-39.
6. **Mbai, K.**, Krause, A-K., Von der Ohe, W., Munyua, S.J.M. and Warui, M. Characteristics of dairy goat farming in central kenya I: Project organization, goat breeding, husbandry and nutrition. (Accepted for publication, *Journal of Animal health and Production*).
7. **Mbai, K.**, Krause, A-K., Von der Ohe, W., Munyua, S.J.M. and Warui, M.

Characteristics of dairy goat farming in central kenya II: dairy goat health, reproductive and economic performance. (Accepted for publication, *Journal of Animal health and Production*).

Conference and Seminar proceedings:

1. Rurangirwa, F.R., McGuire, T.C., **Mbai, K.**, Ndungu, L., and Wambugu, A.(1989).

Contagious caprine pleuropneumonia vaccine: A semi-field trial. *Proc.7th SR-CRSP workshop, ILRAD, Nairobi, Kenya. 27th to 28th Feb, 1989.*

2. **Mbai, K.**, Gathumbi, P.K., Tsuma, V.T. and Nduhiu, J.M. (1991). Ovine contagious epididymitis associated with *Actinobacillus seminis*. *Proc.9thSR-CRSP workshop, KETRI, Muguga, Kenya. 28th to 29th Feb, 1991.*

3. Munyua, S.J.M. and **Mbai, K.** (1993). Treatment of contagious caprine pleuropneumonia with Baytril^(R) 10% injectable. Paper presented at the 1993 KVA seminar on 21st to 24th April, 1993.

4. Munyua, S.J.M. and **Mbai, K.**(1993). Efficacy of Baytril^(R) 10% injectable in the treatment of piglet scouring and pneumonia. Paper presented at the 1993 Kenya Veterinary Association seminar on 21st to 24th April, 1993.

5. Munyua, S.J.M., **Mbai, K.**, Kariuki, D.I. and Chibeu, D.M. (1995). Reproductive performance and wastage in goats in Kenya. Sessional Paper presented to the Kenya Veterinary Association seminar on the 19th to 24th April, 1995.

6.Munyua, S.J.M., **Mbai, K.**, Kariuki, D.I., and Chibeu, D.M. (1995). Indigenous knowledge and the use of medicinal plants (Ethnoveterinary practices) in small ruminant Theriogenology (Reproduction and Obstetrics) in arid and semi-arid areas of Kenya. *Proc of*

the regional workshop on Pastoral Indigenous systems and Sustainable development in Nairobi, 16th to 18th January, 1995.

7. Munyua, S.J.M., **Mbai, K.**, Kariuki, D.I., Chibeu, D.M., Gathuma, J.M. and Mitaru, B.M. (1996). Reproductive efficiency of indigenous goats in Kenya: Slaughterhouse and field surveys . *Proc. All Africa conference on animal agriculture, Pretoria, South Africa, February 2nd to 8th 1996.*

8. Munyua, S.J.M., **Mbai, K.**, Kariuki, D.I. and Chibeu, D.M. (1996). Ethnoveterinary practices in livestock reproduction, obstetrics and adrology in arid and semi-arid areas of Kenya: A fast disappearing tradition. *Proc. of the 5th international ethnobiology conference, KICC, Nairobi, Kenya, 2nd to 6th September, 1996.*

9. **Mbai, K.** (1998). Epididymitis of rams in rams in Kenya: A review. *Proc. Of the biennial conference of the veterinary faculty of the University of Nairobi, August 4th to 6th 1998.*

10. **Mbai, K.**, Krause, A-K.,(2000). Report on the German alpine dairy goat project on health and breeding policy in Central Kenya. *GTZ Library reports, 2000.*

11. S.J.M. Munyua, S.J., Okeyo, M. and **Mbai, K.** (2001). Livestock marketing in pastoral areas in the face of the broad government policy of liberalization and privatization and prevailing production constraints: The need to re-orient prevailing livestock marketing practices. *Proc. APSK symposium, Egerton University, Njoro, &th to 8th March 2001.*

12. **Mbai, K.**, Krause, A-K., Munytua, S.J.M., von der Ohe, W. (2002). Factors influencing the reproductive performance of German alpine dairy goat crosses in central Kenya. *Proc. Fac. Vet. Med. Biennial Scietific conf. Pg 32-34.*

13. **Mbai, K.**, Munyua, S.J.M. and Wabacha, J.K. (2003). Causes, management and

prevention of neonatal mortality in farm animals in ASALs in Kenya. *Proc. KVA Central Kenya branch Scientific meeting in Mwingi on the 27th of March 2003.*

14. **Mbai, K.**, Munyua, S.J.M., Ngugi, J.N. (2003). The causes of pre-weaning mortality in goat kids in Kenya. *Proc. KARI ARF conference, Dec. 2003, Pg 64-70.*

15. **Mbai, K.** (2004). Artificial insemination in goats in Kenya. *CAIS magazine, Nov. 2004, Pg. 21-22.*

16. **Mbai, K.** (2005) Improving camel production in Kenya through improvement of camel reproductive efficiency. Paper presented at the consultative task force seminar on the development of a curriculum of an MSc course in dry land utilization, Humboldt University, Berlin, Germany, 23rd July to 13th August 2005.

17. Tsuma, V.T., **Mbai, K.**, Gitonga, P., Ndurumo, S. and Wabacha, J.K. The fertility of acyclic and repeat breeder cows and heifers following gonabreed and estroplan treatment. (Paper to be presented at the KVA workshop in Mombasa, Kenya, on the 24th to 26th April 2006).

Other Publications

1. *Ethnoveterinary Medicine in Kenya.* A book on ethnoveterinary practices in various Kenyan communities, developed in conjunction with various veterinary surgeons and traditional healers. Published by ITDG and IIRR, 1997, Nairobi, Kenya.

2. *Artificial Insemination and Fertility management.* A training manual on A.I. developed in conjunction with other lecturers in Theriogenology at the Clinical studies department, University of Nairobi.

Workshops and Short courses:

1. The International Livestock Centre for Africa (ILCA) *On-Farm cattle Research methodology workshop. ILRAD, Kenya, on 19th to 30th August, 1991.*
2. Trained in East Coast Fever immunization at the KARI National Veterinary Research Institute, Muguga, *17th and 21st February, 1996.*
3. Participated in a workshop on ethnoveterinary practices in Kenya held at Machakos, Kenya between 9th to 23rd July, 1996.
4. Resource person in the MoALD-GTZ/PES organized participatory dairy-goat farmers' training seminar in Nyeri, December 8th to 14th, 2001.
5. Resource person in the KARI-organized farmers' training seminar in Bulbul, Kajiado, September 13th 2002.
6. Participated in a course on proposal writing and fund raising conducted by APRORED Kenya, an NGO, 9th to 13th Feb, 2004.
7. Participated in the deliberations of a consultative task force on the development of a curriculum of an MSc course dry land utilization, Humboldt University, Berlin, Germany, 23rd July to 13th August 2005.

Current Research and Professional interests:

Improving the livelihoods of Kenyan pastoral communities through improvement of camel production and reproductive efficiency.

Membership to professional bodies:

Registered with the Kenya Veterinary board as a Veterinary surgeon.

A member of the Kenya Veterinary Association.,